STATE OF CONNECTICUT
WATER RESOURCES COMMISSION

Hydrogeologic data for the Shetucket River Basin, Connecticut

By

Chester E. Thomas, Jr., Gene A. Bednar,

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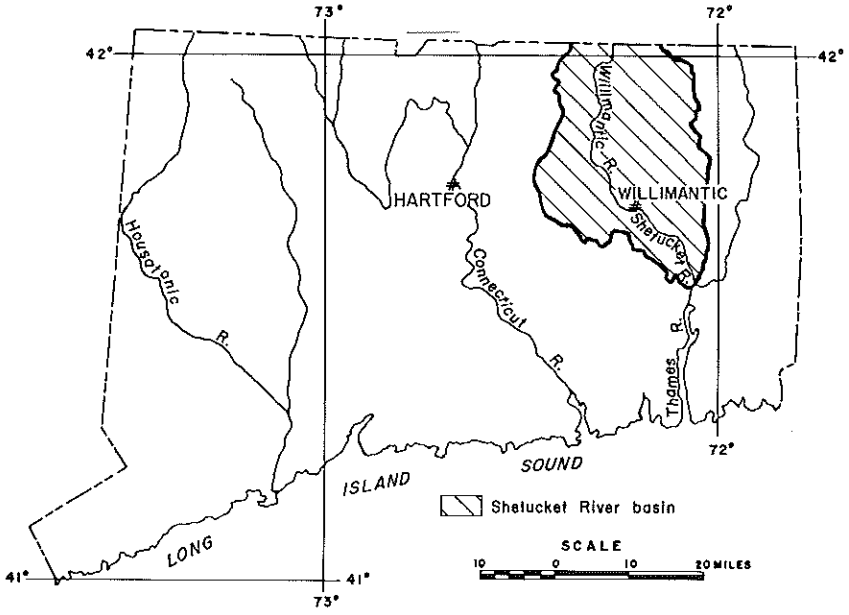
U.S. Geological Survey



Prepared by the
U.S. Geological Survey
in cooperation with the
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INTRODUCTION

This report presents hydrologic and geologic data collected by the U.S. Geological Survey during an investigation of water resources in the Shetucket River basin of Connecticut in cooperation with the Connecticut Water Resources Commission. The Shetucket River basin occupies about 507 square miles in the eastern part of the State, including the towns of Andover, Ashford, Chaplin, Coventry, Mansfield, Scotland, Sprague, Windham, and Willington, and parts of Bolton, Canterbury, Columbia, Eastford, Ellington, Franklin, Lebanon, Lisbon, Hampton, Hebron, Norwich, Pomfret, Stafford, Tolland, Union, Vernon, and Woodstock. A companion interpretive report, Connecticut Water Resources Bulletin 11, (Thomas, and others, 1967), evaluates the water resources of the basin. The data on the following pages serve to document and supplement that report and should be especially useful in planning the development of water resources at specific localities.

Data were collected as part of this investigation during the period July 1962 through December 1964. Streamflow records from continuous-record gaging stations in the basin for this period have been published annually along with data from other parts of the State in a series of U.S. Geological Survey reports entitled "Surface Water Records of Connecticut." Water-level measurements in wells throughout the State from 1960 through 1964, including those made as part of this investigation, are published in Connecticut Water Resources Bulletin 7 (Meikle and Baker, 1965). Most other data collected during this investigation are tabulated on the following pages. Included are some well records and chemical analyses of water samples collected prior to July 1962 and not previously published.

The locations of sites at which data were collected are shown on plate A in the pocket at the back of the report. Plate A includes the locations of 98 sites where 2 to 6 miscellaneous measurements of streamflow were made during 1963 and 13 other sites where continuous records are maintained. Data for these sites have already been published in "Surface Water Records of Connecticut" and are not repeated here.

Data presented, unless otherwise noted, were collected by U.S. Geological Survey personnel.

PRESENTATION OF GROUND-WATER DATA

Most of the data contained in tables 1 thru 5 were collected during the period 1962-64. The data include records of 266 wells, logs of 173 wells and test holes, laboratory analyses of 20 sediment samples, and data from 1 pumping test. The data are being published in this form as a supplement to the companion report.

WELL-AND SPRING-NUMBERING AND LOCATION SYSTEMS

In Connecticut, each well and test hole inventoried by the U.S. Geological Survey has been numbered in a sequence based on the town in which it is located. A separate sequence of serial numbers beginning with 1 is used in each town, and prefix letters are used to designate the town name. In the tables of this report, wells and test holes are arranged alphabetically by town name and in order by serial number within each town. On plate A, only the serial number appears beside the symbol of the well or test hole it represents; the prefix letters were omitted because town names and boundaries are shown on the map. Springs are numbered similarly, beginning with 1 in each town; the suffix "sp" follows the serial numbers to distinguish them from well numbers. Test holes are numbered similarly, and they are represented by a different symbol on plate A.

To aid in locating wells, test holes, and springs on the map, a location system based on latitude and longitude is used. Following the well number in each table is a 13-digit number. The first 6 digits are the degrees, minutes, and seconds of latitude at the site of the well, spring or test hole, followed by the letter N to indicate the latitude is north of the equator; the next 6 digits are degrees, minutes, and seconds of longitude. These digits define a tract of land having dimensions of one second latitude and longitude, or approximately 100 x 75 feet. The last digit, following the decimal place, indicates whether the well, spring, or test hole referred to is the 1st, 2nd, 3rd, etc. inventoried within this 1-second rectangle. The use of this system is illustrated in figure 1 for well Ms 25, located northwest of Mansfield Depot on the east bank of the Willimantic River. A 5-minute grid is printed on plate A, to provide a basis for scaling the locations of wells, springs, and test holes.

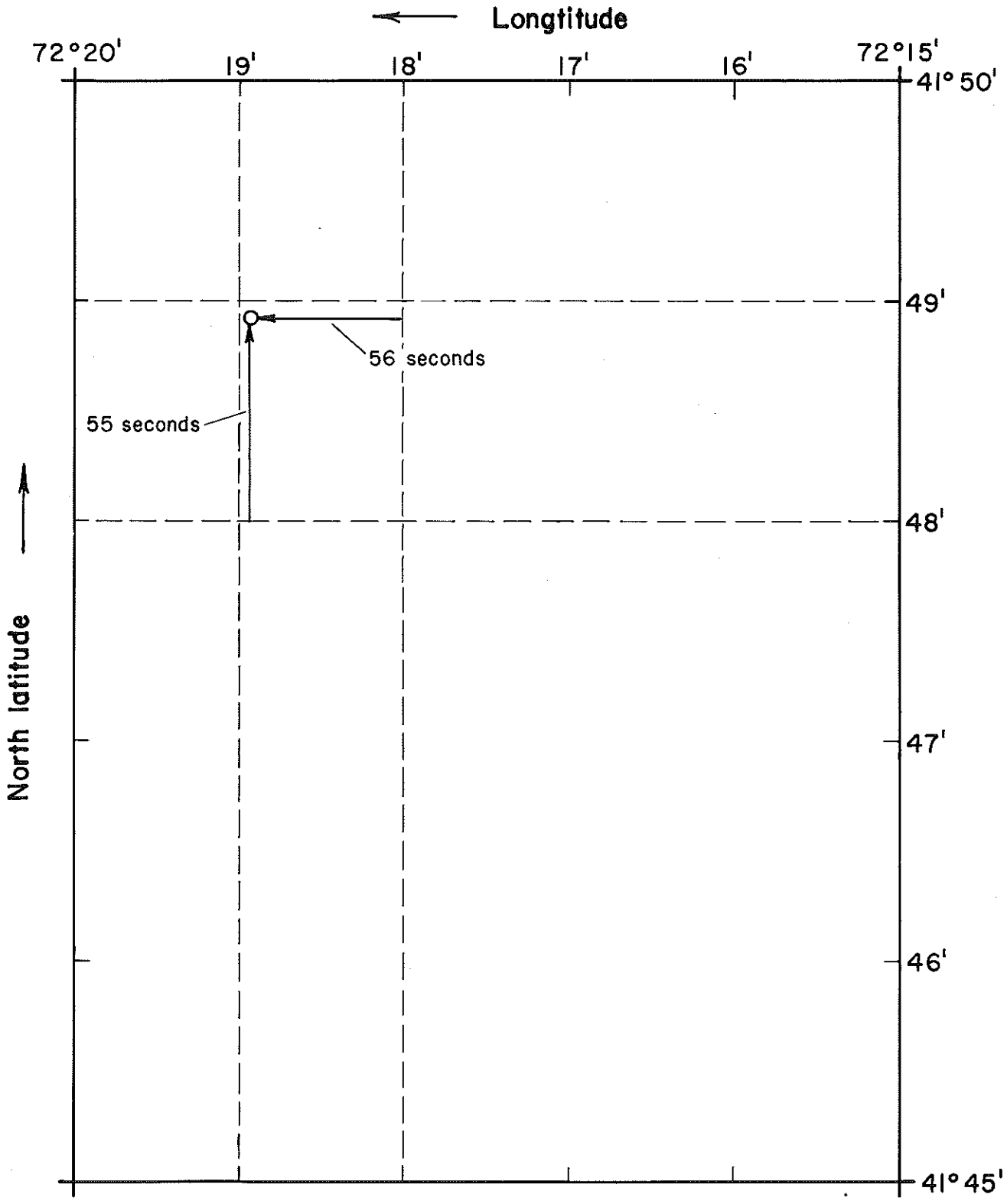

Figure 1 - Sketch illustrating location of well Ms 25 (table 1).
The location number is 414855N721856.1.

PRESENTATION OF SURFACE-WATER DATA

Partial records of streamflow were collected at 44 gaging stations within the Shetucket River basin. At these gaging stations, from 4 to 18 discharge measurements and from 12 to 51 stage measurements were made during the period September 1960 to September 1964. From stage-discharge relationships based upon the discharge measurements, discharges were determined corresponding to the stages measured. Table 6 presents the complete list of discharge determinations for all partial-record gaging-stations.

NUMBERING SYSTEM FOR STATIONS ON STREAMS

An indentification number has been assigned to each location where regular measurements of streamflow and determinations of water quality have been made. The numbers assigned conform with the standard downstream order of listing stream-gaging stations used by the U.S. Geological Survey. To further aid the reader in locating a stream-gaging site, the indentification number is followed by the name of the stream and the name of the nearest community.

PRESENTATION OF QUALITY-OF-WATER DATA

All chemical analyses listed in the tables 7 thru 12 in this report were made by the U.S. Geological Survey at the laboratory in Albany, New York, except where otherwise noted. Samples were analyzed according to the methods regularly used by the Geological Survey. These methods are described in "Methods for Collection and Analysis of Water Samples," U.S. Geological Survey Water-Supply Paper 1473 (Hem, 1959). Data for table 13 were supplied by the Connecticut State Department of Health, who made the analyses.

Concentrations of silica, iron, manganese, calcium, magnesium, sodium, potassium, bicarbonate, sulfate, chloride, fluoride, nitrate, phosphate, dissolved solids, dissolved oxygen, ABS, and turbidity are reported in parts per million. ABS refers to alkyl benzene sulfonate, a typical anionic surfactant which is the principal ingredient of "hard" household detergents. The dissolved-solids concentrations shown in the tables of this report represent the residue obtained by evaporating a clear sample of water and drying the residue at 180°C for 1 hour. The hardness of water is reported as parts per million calcium carbonate ($CaCO_3$).

The physical, chemical, and bacterial quality of drinking water in the United States is now judged in relation to the U.S. Public Health Service Drinking Water Standards of 1962. A statement of the 1962 standards is contained in Public Health Service Publication No. 956. The USPHS standards apply only to drinking water and water-supply systems used by interstate carriers and others subject to Federal Quarantine Regulations. However, these standards have been voluntarily accepted by the American Water Works Association and the Connecticut State Department of Health as criteria for all public water supplies. The recommended upper limits for the common chemical constituents are shown at the top of the tables of analyses in this report.

For samples collected from streams, the rate of flow at the time of collection and the relation of that flow to average discharge at the site are given with the analysis if such data are available.

Quality-of-water collection sites shown on plate A are numbered according to the numbering system for ground-water stations explained on page 3 and the numbering system for surface-water stations explained on page 5.

Records of chemical quality and daily temperature for the Shetucket River near Willimantic and the Willimantic River near South Coventry, 1956-57, are published in U.S. Geological Survey Water-Supply Paper 1520.

SELECTED REFERENCES

The following publications are available for background for information on the methods for collecting, analyzing, and evaluating hydrogeologic data:

Corbett, D. M., and others, 1943, Stream-gaging procedure, a manual describing methods and practices of the Geological Survey: U.S. Geol. Survey Water-Supply Paper 888, 245 p.

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Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Meikle, R. L., and Baker, J. A., 1965, Ground-water levels in Connecticut 1960-1964: Connecticut Water Resources Bulletin No. 7, 26 p.

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U.S. Geological Survey, 1960, Quality of surface waters of the United States, Parts 1-4, North Atlantic slope basins to St. Lawrence River basin, water year 1957, U.S. Geol. Survey Water-Supply Paper 1520, 641 p.

----------, issued annually 1962-1964, Surface water records of Connecticut.

U.S. Public Health Service, 1962, Drinking water standards, 1962: U.S. Public Health Service Pub. 956, 61 p.

Table 1.--Records of wells

Well no.: See text for explanation of numbering system.
Location: See text for explanation of location system.
Date completed and date of water-level measurement: c., about.
Altitude: Estimated from topographic map, contour interval 10 feet.
Type of well: Dr, drilled; Drc, drilled (cable-tool rig); Drr, drilled (rotary rig); Dug.
Depth of well, depth of casing: All depths are below land surface; reported depths are given in feet, depths measured by U.S. Geological Survey are given in feet and tenths. Casing depths do not include well screen, perforated casing, open-jointed tile, laid stone, or other wall materials which permit water to enter the well.
Static water level: Reported water levels are given in feet, water levels measured by U.S. Geological Survey are given in feet and tenths.

Use: Aban, abandoned; Agr, agricultural (chiefly water for livestock); Com, commercial; Dom, domestic; Des, destroyed; Ind, industrial; Inst, institutional; Obs, observation; PS, public supply; Test, test well or boring; Un, unused.
Remarks: C, chemical analysis in table 11; L, detailed log in table 2; P, pumping test data in table 5. Water-level data for observation wells are reported by LaSala (1959) and Meikle and Baker (1965). Most statements in this column represent information reported by owners or drillers rather than observed by the U.S. Geological Survey; the expression "reportedly" is omitted. Most wells for which no analyses or statements pertaining to water quality are given were reported to yield good water; for some, no data were obtained.

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
										Town of Andover						
Ar 1	414331N722339.1	W. Jurovaty	-55	575	Dr	115	6	26	18	Bedrock	19	10- -55	20	81	Dom	
Ar 4	414306N722242.1	J. Farley	-56	620	Drc	157	6	87	81	Bedrock	27	9- 8-56	.5	130	Dom	
Ar 6	414553N722227.1	L. W. Jillson	-58	475	Drc	155	6	60	50	Bedrock	10	3-21-58	30	90	Agr,Dom	
Ar 7	414548N722149.1	H. Heinz, Jr.	-56	535	Drc	163	6	50	47	Bedrock	40	5-24-56	7	120	Dom	
Ar 8	414437N722328.1	L. Couture	-56	425	Drc	125	6	89	75	Bedrock	10	4-12-56	5	110	Dom	
Ar 9	414524N722323.1	C. Houghton	-56	147	Dr	147	6	57	55	Bedrock	24	4-19-56	45	26	Dom	Sand and gravel, 0-55 ft.
Ar 11	414417N722206.1	J. Fortin	-59	370	Dr	95	6	33	30	Bedrock	23	10-15-59	3	67	Dom	C. Formerly supplied creamery and town hall; now supplies 2 families. Sand and gravel 0-30 ft.
										Town of Ashford						
Af 2	415151N720933.1	L. Gardner		440	Dug	31.2	30			Till	29.2	11-15-62			Aban	Formerly a domestic well; supply inadequate for water-using appliances.
Af 3	415151N720933.2	L. Gardner	-41	435	Drc	76	6		30	Bedrock			3		Un	Domestic well in vacant house.
Af 4	415147N720944.1	G. Whitehouse	-61	390	Drc	77	6			Bedrock	20	-61	9		Dom	
Af 5	415147N720944.2	G. Whitehouse		390	Dug	17.7	36			Sand	11.8	11-16-62			Un	
Af 6	415153N720938.1	R. Haggartt		400	Dug	16.2	27			Sand and gravel	9.2	11-16-62			Aban	
Af 7	415157N720938.1	R. Haggartt		400	Drc	59	6		59	Bedrock	6		20		Dom	
Af 8	415135N720857.1	H. Dearborn	2-17-59	640	Drc	150	6	42	28	Bedrock	20	2-17-59	3	130	Dom	C.
Af 9	415451N721026.1	J. Krukoff, Jr.	4-27-62	775	Drc	150	6	15	15	Bedrock	10	4-27-62	4	140	Dom	C.
Af 10	415231N721119.1	E. Krapf	7-22-59	590	Drc	92	6	21	15	Bedrock	30	7-22-59	40	30	Dom	C.
Af 11	415344N721014.1	G. Ference	1-20-64	550	Drr	220	36 6	20 23	20	Bedrock	18	1-20-64	3	132	Dom	Drilled in 20-ft dug well.
Af 12	415333N721013.1	Town of Ashford	10- 4-57	595	Drc	409	8 6	59 350		Bedrock			17		Inst	C. Ashford Elementary School. Supply augmented by a second drilled well yielding 3 gpm.
Af 13	415406N721007.1	J. Girardet	12- 7-60	615	Drc	137	6	38	28	Bedrock	22	12- 7-60	6	108	Dom	C.
Af 14	415017N720925.1	H. B. Fredrick	4-27-64	530	Drr	215	6	30	20	Bedrock	29	4-27-64	50+		Dom	Yield at 180 ft was ¼ gpm; at 200 ft, 50+ gpm.
										Town of Bolton						
Bo 6	414712N722540.1	W. W. Robbins	10-24-57	615	Drc	125	6	13	6	Bedrock	42	10-24-57	20	78	Dom	C. Supplies 8 people.
Bo 7	414625N722458.1	P. Manneggia	11-19-55	450	Drc	147	6	30	7	Bedrock	18	11-19-55	6	122	Dom	C.
Bo 8	414702N722555.1	S. Patnode	-47 or -48	470	Dug	14	41			Sand					Dom,Com	C. Supplies barber shop and 3 families.
										Town of Canterbury						
Cy 61	414433N720120.1	L. Gray	3-31-57	518	Drc	118	6	69	69	Bedrock	20	3-31-57	4.5	40	Dom	Clay, 0-69 ft.
Cy 62	414248N720205.1	B. Chasse	3-27-56	510	Drc	315	6	47	45	Bedrock	57	3-27-56	2	93	Dom	
Cy 63	414235N720205.1	A. Pavone	10-26-59	538	Drc	465	6	40	40	Bedrock	27.6	4- 9-62	< 1		Aban	Slight trickle of water at about 80 ft. Dynamiting at this depth failed to increase yield.
Cy 64	414136N720228.1	D. Steed	11-20-59	508	Drc	65	6	31	27	Bedrock	14	11-20-59	15	8	Dom	

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
										Town of Canterbury--Continued						
Cy 82	414113N720125.1	E. LaChappelle	6- -49	511	Drc	80	6	3	2	Bedrock	7		2.5		Dom	No house until 1959. Well unused 1-16-63 because contamination suspected.
Cy 83	414107N720123.1	E. LaChappelle	-61	486	Drr	368	6	7	6	Bedrock	15	Summer -61	2.5		Dom	C. Dug well nearby: 0-6 ft hardpan, 6-16 ft bedrock (blasted).
Cy 84	414059N720120.1	M. Kereluck	-52	460	Drc	365	6			Bedrock	20	Summer -52	3	40	Dom	Drilled in 16.6-ft dug well.
Cy 86	413854N720051.1	J. Korshak	-59	313	Drc	75.0	6	20±	11	Bedrock	9.4	6-13-62			Dom	Driller could not bail well dry.
Cy 87	413844N720052.1	M. LaBrecque	-61	340	Drc	105	6	22		Bedrock			7.5		Dom	C. Deepened from 72 ft in 1961 because of insufficient supply.
Cy 141	414031N720259.1	J. Stone	c. 1740	320	Dug	25.4	22			Gravel	25.0	12- 2-62			Dom	Sufficient supply except in extreme drought.
Cy 142	414106N720258.1	R. Olson	c. 1860	300	Dug	23	40			Till	15.5	10- 2-62			Dom	Dry in Aug., 1962; then bottom cleaned out. Strong odor and bitter taste when water level low.
Cy 143	414135N720301.1	T. Edmond	c. -36	260	Drc	87.9	6			Bedrock	6.6	10- 3-62			Dom,Agr	Supplies 4300 chickens and 1 family of eight.
										Town of Chaplin						
Cp 1	414757N720635.1	R. Kienholz	-56	480	Dug	11.9	24			Till	6.8	11-14-62			Un	Replaced by drilled well.
Cp 2	414852N720634.1	B. Guay		370	Dug	21.5	24			Sand and gravel	17.3	11-14-62			Un	
Cp 3	414656N720620.1	G. Hicks	-48	695	Drc	212	6	22(?)	22(?)	Bedrock			< 1		Dom	C.
Cp 4	414643N720912.1	C. Landeck	2- 5-59	305	Drc	110	6	47	38	Bedrock	28	2- 5-59	5	42	Dom	C.
										Town of Columbia						
Clb 3	414304N721653.1	E. Pothier	8- -55	265	Drc	110	6	65	64	Bedrock	15	8- -55	6	90	Dom	Fine sand, 0-64 ft.
Clb 4	414324N721808.1	R. Hicking	10- 1-56	305	Drc	220	6	103	100	Bedrock	36	10- 1-56	14	164	Dom	
Clb 9	414126N721722.1	J. H. Pachor	-59	420	Dr	254	6			Bedrock			16		Dom	C.
Clb 10	414303N721703.1	V. Sledjeski	4-12-56	260	Drc	122	6	34	34	Bedrock	16	4-12-56	4.5	106	Dom	C. Gravel, 0-34 ft.
Clb 11	414238N721509.1	R. Waldron	7- -61	380	Drc	162	6	30	20	Bedrock	58	7- -61	15	92	Dom	C. At 148 ft, yield was 1 gpm; at 156-158 ft, 2-3 gpm.
Clb 12	414312N721620.1	G. Postemski		250	Dug	15.6	30			Gravel	10.7	5-25-64			Com	C.
Clb 13	414323N721724.1	J. Sullivan	6- 1-59	285	Drc	53	6			Gravel	23	6- 1-59	20		Dom	C. Screened well.
Clb 14	414332N721850.1	A. Hall	-51(?)	300	Dug	19.6	30	30		Sand and gravel	15.4	6-25-64			Com,Dom	C. Supplies archery shop and 8 people.
Clb 15	414303N721644.1	S. Ploufe	4-15-64	265	Drr	300	6	28.8	28'	Bedrock	31.3	5-11-64	.5		PS	Will eventually supply 29 families. At 155 ft, yield was 0 gpm.
										Town of Coventry						
Cv 1	414702N721705.1	R. Greenleaf	9- 1-55	305	Drc	108	6	108	100	Bedrock	60	9- 1-55	30	10	Dom	C. Sand and gravel, 0-100 ft.
Cv 2	414550N721858.1	R. Helms	2-25-56	585	Drc	170	6	80	70	Bedrock	40	2-25-56	20	70	PS	One of 4 wells supplying 160 seasonal and all-year homes at Lakeview Terrace.
Cv 6	414347N721827.1	Conn. Bi-Products Co.	8-16-56	265	Dr	165	6	16	6	Bedrock	8	8-16-56	25	142	Ind	Boilers.
Cv 7	414747N722431.1	S. MacPherson		760	Dug	16.7	30			Till	6.4	12-26-62			Obs,Dom	Obs well, 1962-63. Goes dry in drought years. In use with Cv 8 in 1963.
Cv 8	414747N722431.2	S. MacPherson		760	Dug	14.2	20			Till	4.4	12-26-62			Obs,Dom	Obs well, 1962-63. In use with Cv 7 in 1963.
Cv 9	414803N722430.1	R. Stem	-60	750	Drc	120	6	100	80	Bedrock	30	-60	70		Dom	
Cv 10	414747N722411.1	A. Gokey		700	Dug	13.5	20			Till	5.8	11-28-62			Obs,Un	Obs well, 1962-64. Dry, 10-1-64.
Cv 11	414757N722058.1	State of Conn.		458	Dug	13.8	20			Sand and gravel	10.5	11-28-62			Obs Aban	Univ. of Conn. Obs. well, 1962-64. Dry, Oct. and Nov., 1963. Deepened, 1964. Dry, Sept. and Oct., 1964.
Cv 12	414901N722121.1	S. Toth		555	Dug	13.3	30			Till	2.4	11-30-62			Obs,Un	Obs. well, 1962-64.
Cv 13	414638N722337.1	F. H. Miller	-40's	605	Dug	22.0	31		16	Till and bedrock	7.4	1- 2-63			Aban	Driller blasted 4 to 6 ft into bedrock. Never used; yield inadequate to supply hatchery.
Cv 14	414658N722334.1	C. J. Hill		635	Dug	13.2	20			Till	6.4	1- 2-63			Obs Aban	Obs. well, 1963-64.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
									Town of Coventry--Continued							
Cv 15	414757N722340.1	C. W. Strant		745	Dug	13.4	21			Till	5.4	1- 9-63			Obs,Un	Obs. well, 1963-64. Occasionally used to supplement domestic supply from drilled well.
Cv 16	414742N722103.1	Feverfile	3- -63	470	Drc	282.0	6		61	Bedrock	5.0	3-19-63	8-10		Obs,Dom	Obs. well, 1963.
Cv 17	414845N722345.1	H. Leeberg		800	Dug	9.1	32			Till	1.9	5- 1-63			Obs,Un	Obs. well, 1963-64. Dry, Aug. to Oct., 1964.
Cv 18	414849N722315.1	G. Jacquemin		856	Dug	11.6	24			Till	4.6	6-19-63			Obs, Aban	Obs. well, 1963-64. Formerly supplied small school house, now abandoned.
Cv 19	414855N722206.1	E. E. Kohler		672	Dug	23.3	24			Till	13.6	6-19-63			Obs,Aban	Obs. well, 1963-64.
Cv 20	414748N722408.1	R. Hicking	9-13-62	682	Drr	217.5	6	131	115+	Bedrock	20.0	9-14-62	10	76	Dom	
Cv 21	414607N721822.1	South Coventry Water Supply Co.	-58	508	Drc	252	8	6	0	Bedrock			5		PS	C. Pumped continuously.
Cv 22	414608N721820.1	South Coventry Water Supply Co.	-43	505	Drc	323	8		< 10	Bedrock			6		PS	C. Pumped continuously. Cv 21 and 22 interfere; net yield is about 6 gpm.
Cv 23	414601N721746.1	South Coventry Water Supply Co.		418	Drc		6			Bedrock			2.5		PS	C. Pumped continuously.
Cv 24	414344N721653.1	F. Caron	-54(?)	340	Drc	95	6		13	Bedrock			18		Dom	C. Drilled in 13-ft dug well which bottomed on bedrock.
Cv 25	414823N722048.1	Manchester Coon & Fox Club, Inc.		510	Dug	12.5	30			Gravel and till	8.9	4-29-64			Com	Used intermittently; yield inadequate.
Cv 26	414738N722340.1	Suburban Home Construction Corp.	2- -63	695	Drc	235	6	29		Bedrock	1.2	5-06-64	66	140	PS	C. P. Expected to supply about 44 families in housing development.
Cv 27	414418N721743.1	E. Sullivan	10- -57	530	Drc	106	6		6	Bedrock	Flows				Dom	C. First water at 80 ft; yield at 80 ft was 13 gpm.
Cv 28	414619N722140.1	R. Kingsbury	11-10-61	470	Drc	105	6	30	30	Bedrock	40	11-10-61	7	65	Dom	C.
Cv 29	414737N722007.1	A. D. Heckler	-58(?)	585	Drc	56	6		20	Bedrock	29		12	21	Dom	C. Supplies 5 houses.
Cv 30	414922N722456.1	R. Finley	11- 2-61	710	Drc	146	6	15	8	Bedrock	8	11- 2-61	5	137	Dom	C.
Cv 31	414841N722345.1	P. Kingsbury	4-26-57	800	Drc	116	6	52	46	Bedrock	Flowing	4-26-57	20	110+	Dom	C.
Cv 32	414717N722409.1	C. G. Heckler		625	Dug	37	36			Till	31	10- -64			Dom	C. Supplies 7 people in 2 houses and 2 cottages.
Cv 33	414357N721822.1	G. Johnson		300	Dug	23.6	24			Sand and gravel	17.9	12-12-62			Aban	
Cv 34	414351N721822.1	G. Johnson		290	Dug	21.8	24			Sand and gravel	19.1	12-12-62			Un	
									Town of Eastford							
Ed 1	415405N720502.1	J. R. Beebe	7-25-59	560	Drc	195.1	6	20	14	Bedrock	11.6	4- -62	1	163	Un	Will be used only if dug well supplying household fails. Water comes from 74-90 ft.
Ed 2	415408N720459.1	Town of Eastford	11- 5-60	550	Drc	110	6	46	13	Bedrock	15	11- 5-60	12	85	Inst	Eastford Elementary School.
Ed 3	415421N720338.1	C. Shead	6- 8-60	550	Drc	103	6	19	16	Bedrock	8	6- 8-60	15	92	Dom,Agr	
Ed 4	415104N720545.1	A. Ratesay	10-20-59	415	Dr	50	6	43	42	Bedrock	22	10-20-59	30	0	Dom	
Ed 5	415344N720320.1	F. Colburn	10- -60	712	Drc	50	6		10	Bedrock	10	10- -60	3		Dom	Water at 30 ft.
									Town of Ellington							
El 58	415602N722200.1	W. Weidner	7-11-56	710	Dr	130	6	25	25	Bedrock			4.5		Dom	C.
									Town of Franklin							
Fr 3	413749N720733.1	Town of Franklin	6-29-56	222	Drc	215	6	27	8	Bedrock	24	6-29-56	35	36	Inst	Franklin Elementary School.
Fr 4	413813N720843.1	R. Manning	12-15-63	425	Drc	60	6	15	4	Bedrock	Flowing	12-15-63	30	> 30	Dom	C. First water at 17 ft; main fracture at 55 ft. Flow of 3 gpm.
									Town of Hampton							
Hp 4 1	414826N720339.1	H. Sumner	11-10-56	478	Dr	172	6	35	12	Bedrock	29	11-10-56	2	71	Dom	
Hp 6 6	414453N720354.1	K. S. Porter	3-14-57	575	Dr	288	6			Bedrock					Agr	C. Supplies 40 cows.

Table 1.--Records of [illegible]s--Continued

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
									Town of Hampton--Continued							
Hp 8 11	414510N720401.1	K. S. Porter	10- 3-59	700	Drc	432	6	150	140	Bedrock	95	10- 3-59	3.5	255	Agr	
Hp 9 13	414654N720317.1	W. Pearl	7- 1-60	660	Drc	210	6	10	8	Bedrock	18	7- 1-60	5	182	Com	Hampton Post Office.
Hp 10 9	414604N720549.1	P. Deseutles	11- 1-57	545	Drc	144	6	54	54	Bedrock	38	11- 1-57	22	62	Dom,Agr	Supplies 17,000 chickens, 5 people.
Hp 11 7	414654N720321.1	R. Potter	10- 8-57	675	Drc	205	6	39	39	Bedrock	35	10- 8-57	11	90	Dom	
Hp 12 12	414812N720317.1	M. Clapp	1-24-59	420	Drc	194	6	44	40	Bedrock	40	1-24-59	3	135	Dom	Used in conjunction with 30-ft dug well.
Hp 13 8	414646N720322.1	R. Hibbard	10-19-57	675	Drc	150	6	44	44	Bedrock	38	10-19-57	10	72	Dom	
Hp 14 14	414713N720344.1	R. E. Young	7-16-60	690	Drc	230	6	26	21	Bedrock	24	7-16-60	3	176	Dom	C.
Hp 15 15	414539N720320.1	W. Pearl	10-28-60	415	Drc	129	6	59	59	Bedrock	16	10-28-60	20	84	Dom	
Hp 16	414931N720144.1	C. and W. Stone	-28	720	Drc	120	6		40	Bedrock	19	6- -62	5	21	Dom,Agr	C. Supplies 50 cows, 6 people. Broke suction in 1958 with 29-ft suction pipe; replaced with new 115-ft suction pipe.
Hp 17	414919N720218.1	E. Loew	2- -35	623	Drc	273	6			Bedrock	4	2- -35	6		Dom	Yield is insufficient for household; most of supply comes from dug well.
Hp 18	414906N720223.1	A. J. Polom	10- -57	644	Dug	13.5	24	12.5		Till	1.6	6-22-62			Dom,Agr	Supplies 30 cows, 2 people. Replaces spring that went dry in 1957.
Hp 19	414716N720134.1	K. Polttila	-61	602	Drc	354	6	14	12.5	Bedrock	12	-61	1.5		Dom	Supplies 8 people. Replaces dug well which went dry in 1960, and Hp 20, which never had sufficient yield.
Hp 20	414716N720134.2	K. Polttila	-60	595	Drc	400	6	18	12	Bedrock					Des	Very low yield; dynamiting did not increase yield. Was never used.
Hp 21	414431N720301.1	C. P. Fox	c. 1700	390	Dug	11.0	54			Till	6.2	10- 9-62			Dom	Line of springs near break in slope at west edge of property.
Hp 22	414412N720340.1	J. Donahue	c. -56	350	Dug	17.8	24			Till	5.9	10- 9-62	50	6	Dom	Pumped dry during yield test. Gravel wall surrounds tile casing. Water primarily from sand layer in till.
Hp 24	414436N720320.1	H. Chick	c. -46	330	Drc	57.8	7		50±	Bedrock	20.0	10- 9-62	18		Dom	
Hp 25	414516N720246.1	C. Pite	-56	360	Drc	195	6		40±	Bedrock	6	-56	40		Dom	
Hp 26	414625N720250.1	C. Stemsland	-56	395	Drc	90	6	43		Bedrock	35	-56	10.5		Dom	
Hp 27	414650N720240.1	W. Robbins	-46	380	Drc	120	6	65	65	Bedrock	18.6	10-12-62	14		Dom	Supplies 3 houses.
Hp 28	414741N720448.1	H. C. Morse	-29	800	Drc	150	6	104	104	Bedrock	78	11- 1-29	2.5		Dom	
									Town of Hebron							
Hb 6	414307N722455.1	Boudreau	7-16-56	590	Dr	165	6	80	80	Bedrock	20	7-16-56	6	145	Dom	
Hb 8	414312N722530.1	London Park Estates	3-24-60	533	Dr	42	6	34.5	45	Sand	4	3-24-60	60	15.5	PS	C. L. Tested simultaneously with Hb 9. Screen, 40-slot, 34.5-42.5 ft.
Hb 9	414311N722528.1	London Park Estates	3-24-60	529	Dr	42	6	34.5	45	Sand	2	3-24-60	60	21	PS	L. Tested simultaneously with Hb 8. Screen, 40-slot, 34.5-42.5 ft.
									Town of Lebanon							
Lb 10	414141N721320.1	H. Flegert	2- 1-56	385	Drc	117	6	30	18	Bedrock	23	2- 1-56	30	22	Dom	C. Replaced dug well which yielded water unsatisfactory for drinking.
Lb 36	414128N721551.1	A. Plonowski	10-14-65	351	Drc	118	6	84	71	Bedrock	7	10-14-65	11	93	Dom	L.
									Town of Lisbon							
Ls 4	413515N720056.1	S. Wildowsky	7- 6-57	272	Drc	75	6	66	57	Bedrock	18	7- 6-57	15	50	Com	Milk bottling plant and swimming pool.
Ls 7	413829N720056.1	Norwich Lumber Co.	6-21-62	343	Drc	53.6	6	16	12	Bedrock	18.0	6-30-62	4.5		Dom	
Ls 8	413804N720044.1	E. Zububrowski		380	Dug	19.6	24			Sand and gravel	8.9	6-13-62			Un	Pumped dry during yield test. Replaced by deeper dug well which supplies household.
Ls 9	413758N720049.1	J. Iwanicki	11- -57	382	Drc	79.2	6			Bedrock	13.6	6-13-62			Dom	C. Drilled in 22-ft dug well which went dry in 1957.
Ls 15	413354N720157.1	J. Twarog	-51(?)	246	Drc	105	6	8	8	Bedrock	20	-51	5		Agr	Supplies 1,500 chickens.
Ls 21	413648N720210.1	W. Maynard	-56	155	Dug	29.4				Sand	25.5	1-24-63			Dom	Formerly supplied 1,000 chickens.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
										Town of Mansfield						
Ms 3a	414929N721643.1	J. Topich	4- 3-56	585	Drc	145	6	69	64	Bedrock	27	4- 3-56	6	73	Dom	
Ms 5	414505N721553.1	P. J. Moeckel	12-31-55	270	Drc	80	6	55	50	Bedrock	20	12-31-55	10	60	Dom	
Ms 6	414411N721448.1	H. Sullivan	2-21-57	425	Drc	99	6	74	40	Bedrock	10	2-21-57	30	30	Dom	C.
Ms 8	414347N721243.1	N. Bandas	11-24-58	268	Dr	117	6	117		Gravel	23	11-24-58	7	77	Dom	Finished in gravel.
Ms 9	414544N721120.1	F. Keith	1-25-58	260	Drc	156	6	137	137	Bedrock	40	1-25-58	15	0	Dom	
Ms 17	414533N721111.1	Zearzow		265	Dug	40.5	24			Sand	28.4	5-14-58			Aban	
Ms 19	414547N721143.1	C. T. DeBoer	-57	260	Dug	21.4	36			Sand and gravel	9.8	5-27-58			Obs,Aban	Obs.well, 1958-64
Ms 20	414805N721827.1	C. Snow		330	Dug	10.0	32			Gravel	5.7	11-30-62			Obs,Aban	Obs.well, 1962-64.
Ms 21	414814N721815.1	Mansfield State Training School		407	Dug	13.3	36			Till	9.8	7-10-63			Obs,Aban	Obs.well, 1963-64. Dry, Sept., 1963, and Sept. to Oct., 1964.
Ms 22	414401N721510.1	A. Bergeron	10- 3-58	290	Dr	107	6	40	35	Bedrock	11	10- 3-58	20	69	Dom	C.
Ms 23	414858N721854.1	Mansfield State Training School	-13(?)	300	Dug	16.5	240			Sand and gravel	5.4	5-27-64			Aban	Formerly supplied school; replaced by Ms 24 and Ms 25 because of insufficient yield.
Ms 24	414853N721856.1	do	-48	300	Dr	60	12	35		Sand and gravel	.5	3- -48	525	19	Inst	C. Screen, 25-slot, 35-60 ft. Used alternately with Ms 25.
Ms 25	414855N721856.1	do	-58	303	Dr	68	16	48	79	Sand and gravel	4.0	7-24-64	418	9	Inst	C. L. P. Screen, 48-68 ft. Used alternately with Ms 24.
Ms 25a	414857N721855.1	do	-58	304	Dr	28.9	6	30(?)		Sand	7.7	6-24-64			Aban	P. Obs.well during pump test of Ms 25.
Ms 25b	414855N721858.1	do	-58	300	Dr	34.0	2.2	33.5		Sand	3.7	6-26-64			Aban	L. Well point. Obs.well during pump test of Ms 25.
Ms 26	414543N721417.1	D. Goodwin	-58	515	Dr	184	6		35	Bedrock	17	-58	8	123	Dom	C. At 60 ft, yield was 1.5 gpm; at 120 ft, 5 gpm; at 174 ft, 8 gpm.
Ms 27	414727N721220.1	O. Olsen	5-15-56	305	Drc	115	6	46	46	Bedrock	40	5-15-56	4.5	60	Dom	C.
Ms 28	414731N721118.1	D. Squires	10- 1-55	380	Drc	130	6	12	12	Bedrock	16	10- 1-55	3	89	Dom	C.
Ms 29	414621N721140.1	T. Sovald	4-20-63	280	Drc	152	6	109	109	Bedrock	53	4-20-63	20	87	Dom	
Ms 30	414805N721423.1	E. E. Weeks	7- 1-58	608	Drc	173	6	8	3.5	Bedrock	3	7- 1-58	20	127	PS	C. One of 3 wells supplying about 75 people in trailer park.
Ms 31	414503N721538.1	J. McShea		330	Drc	118	6		40	Bedrock	29		3	89	Dom	C.
Ms 32	414447N721143.1	N. Chobot	9-12-62	240	Dr	93	6	14	11	Bedrock	50	9-12-62	15	25	Dom	C.
Ms 33	414919N721355.1	Univ. of Conn.	-27	295	Dug	20	12	10		Sand and gravel			235		Inst	C. Screen, 10-20 ft.
Ms 34	414924N721405.1	do	-50	311.8	Dr	73.2	12	53	73+	Gravel	8.0	7-21-50	675	24.5	Inst	C. L. Gravel packed; screen, 250-slot, 53-73 ft.
Ms 35	414925N721408.1	do	-50	312.5	Dr	65	12	45	65	Gravel	7.3	7-21-50	520	19.0	Inst	C. L. Gravel packed; screen, 250-slot.
Ms 36	414855N721338.1	do	-57	290	Dr	60	12	45	60	Sand and gravel	7	1-10-49	400	14	Inst	C. L. Gravel packed; screen, 45-60 ft.
Ms 37	414807N721633.1	A. L. Pepe	10-15-56	485	Drc	177	6		31	Bedrock	19	-56	4.8	81	Dom	
										Town of Norwich						
Nwh 12	413521N720258.1	Conn. State Highway Dept.	10- -57	65	Dr	272	8		50	Bedrock			20		Com	Highway garage. Yield of 8 gpm at 240-250 ft.
Nwh 30	413335N720245.1	Seeley Thermos, Thermos Div		30	Dr	30	8	10	30	Sand	12.3	12-27-63	240	7	Aban	Formerly used for cooling. Twice was pumped dry. Gravel pack, screen.
Nwh 31	413457N720333.1	E. Kulos	12- 5-63	250	Drc	104	6	74	68	Bedrock	22	12- 5-63	12	63	Dom	C. Main water-bearing fracture at 100 ft.
Nwh 37	413534N720307.1	Occum Water Co.	-62	75	Dug	17	36	17		Sand and gravel					PS	C. Pumped 10 to 100 gpm, depending on season.
Nwh 38	413535N720306.1	do	-64	75	Drc	173	6	20	20	Bedrock			25		PS	C. Pumped 25 gpm, 14 hrs/day.
										Town of Pomfret						
Po 58	415050N720237.1	L. King		721	Dug	20.7	20			Till	12.1	4-26-62			Aban	
Po 65	415420N720220.1	E. Sirrine		817	Dug	25.4	24			Till(?)	19.0	7- 2-62			Dom	Adequate, 1958-61.
Po 66	415357N720209.1	Mrs. E. K. Medbury	-58	815	Dug	16.9	30			Till	5.4	6-30-62			Dom	C.
Po 67	415358N720205.1	do	-57	851	Drc	220	6	55±					0		Des	No water obtained.

Table 1.--Records wells--Continued

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
								Town of Pomfret--Continued								
Po 70	415312N720232.1	E. Geer	c. -42	820	Drc	34.3	6?		20±	Bedrock	8.1	7-28-62	2+		Dom	Previously, a well drilled to 280 ft near house, abandoned due to inadequate yield.
Po 77	415015N720237.1	W. Wolchesky	-55	655	Drc	181	6	43	36	Bedrock	19	12-20-55	3 4	61 156	Dom	C. Some water enters at 120 ft.
								Town of Scotland								
Sc 1	414256N720529.1	H. Close	1-19-56	405	Drc	300	6	15	7	Bedrock	67	1-19-56	7.2	233	Dom	
Sc 3	414112N720356.1	H. Clarke		355	Dug	9	30			Till	4.2	4-25-58			Dom	Drilled a 287-ft "dry" hole next to house; 37 ft to bedrock.
Sc 4	413952N720536.1	Sunnyhill Farm	-60	210	Drc	480	6			Bedrock	Flowing	10-16-62	50+		Agr Ind	Dairy farm and bottling plant. Bedrock reached between 20 and 40 ft.
Sc 5	414353N720506.1	M. Sokolovsky	5-31-58	387	Drc	53	6	18	10	Bedrock	10	5-31-58	45	25	Dom	
Sc 6	414222N720405.1	T. Boucher	9- -54	488	Drc	272	6	10	8	Bedrock	0	9- -54	1		Dom	
Sc 7	414210N720408.1	W. Tormey	6- -51	470	Drc	165	6		4	Bedrock	0	6- -51	6.5	165	Dom	Yield 1.5 gpm at 145 ft.
Sc 8	414155N720455.1	St. Margaret's R. C. Church	9- 1-62	280	Drc	76.2	6	30	25	Bedrock	23.1	9- 4-62	12	25	Inst	
Sc 9	414111N720537.1	L. D. Gauthier	c. -33	248	Drc	55	6	27	27	Bedrock	20	-33	20+		Agr	Drilled in 27-ft dug well whose yield became insufficient owing to increased requirements. Supplies 20,000 chickens.
Sc 10	414057N720625.1	B. Patterson	1- -62	220	Drc	190	6		103	Bedrock	39	1- -62	5	146	Dom	
Sc 11	414103N720649.1	C. Brook	-50	226	Drc	125	6			Bedrock			5		Dom,Agr	Supplies 25,000 chickens during dry months.
Sc 12	414105N720657.1	do	-50	262	Drc	465	6			Bedrock			1		Agr	Supplies 25,000 chickens except during dry months.
Sc 13	414106N720658.1	do	c. -50	268	Drc	232.0	6	15		Bedrock	20.0	9-18-62	.8		Aban	Yield insufficient for agr. use as intended.
Sc 14	414040N720507.1	E. Tanguay	7- -57	276	Dug	15.0	30			Sand and gravel	9.3	9- 7-62			Dom,Agr	Supplies 7 people and 40 cattle.
Sc 15	414109N720555.1	L. D. Gauthier	c. -33	330	Drc	90									Des	Hole was abandoned when bedrock not reached at 90 ft.
Sc 16	414233N720403.1	R. McNally	7-20-59	495	Drc	230	6	16	9	Bedrock	36	7-20-59	4	194	Dom	C.
Sc 17	414153N720410.1	N. Savino	c. -53	465	Drc	96	6	15	12	Bedrock	8	c. -53	12		Dom	C.
Sc 18	414258N720655.1	W. Spicer	9- 5-59	420	Drc	205	6	70	60	Bedrock	24	9- 5-59	4	116	Dom	C. At 160 ft, yield was 1 gpm; at 194 ft, 3 gpm.
								Town of Sprague								
Sp 1	413735N720501.1	T. Heneault	11-25-55	250	Drc	85	6		14	Bedrock	8	11-25-55	3	32	Dom	C.
Sp 3	413824N720358.1	A. Robida	c. -47	180	Drc	128	8	30(?)	30(?)	Bedrock	46	10- 2-62	20		Dom,Agr	
Sp 4	413812N720400.1	S. Blish	-30	230	Drc	103	6	4	4	Bedrock	12	10-15-62	7-10		Dom	
Sp 5	413648N720214.1	Brooklyn Cooperage Co.		144	Drc	153	6			Bedrock	40.8	1-21-63			Obs,Des	Obs.well, 1-21-63 to 4-23-63.
Sp 6	413702N720632.1	J. Talbot	c. -56	180	Drc	176	6	100	100	Bedrock			20		Dom	C.
Sp 7	413613N720615.1	R. Bronson	10-13-55	430	Drc	130	6	35	35	Bedrock	15	10-13-55	15	0	Dom	C.
Sp 8	413750N720344.1	H. B. Owens	7- 7-59	170	Dr	106	6	44	38	Bedrock	40	7- 7-59	10	35	Dom	C. Drilled in 38-ft dug well.
								Town of Stafford								
Stf 1	415916N721703.1	Town of Stafford		610	Dr	100			5	Bedrock					Inst	C. Pinney School. Drilled prior to 1925.
Stf 7	415805N721556.1	Conn. Water Co.	-50	735	Cals		72			Sand and gravel	0	-50	50-60		Un	Used only in emergency because of low yield and high iron; part of Stafford Springs Public Supply. Turbine bowls set at 25 ft; probably close to bottom. Screen, 250-slot.
Stf 8	415756N721556.1	do	-50	735	Dr	28.8	12	19	35(?)	Sand and gravel	1.0	5-28-64			Aban	Probably the same as a 35-ft temporary well recorded in Conn. Water Co. files. Temporary well had screen from 21-35 ft.
Stf 9	415812N721541.1	do	-50	735	Cals	42	72			Sand and gravel	0	-50	50-60		Un	Used only in emergency because of low yield and high iron; part of Stafford Springs Public Supply.
Stf 16	415812N722028.1	R. Bolleau		530	Dug	6.4	36			Gravel	2.5	11-26-62			Un	Goes dry in summer.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
										Town of Stafford--Continued						
Stf 17	415848N721800.1	J. Adams		625	Dr					Bedrock					Dom	C.
Stf 18	415656N721816.1	Conn. Filter Corp.	10- 4-57	460	Dr	24	8		24	Sand and gravel	4.8	6- 2-64	26.5		Aban	C. Intended for ind.use; never used because of high iron. Gravel pack, screen.
Stf 19	415658N721817.1	do	9- -57	460	Dr	28	8		28	Sand and gravel	7.0	6- 2-64	17.5		Aban	C. Intended for ind.use; never used because of high iron. Gravel pack, screen.
Stf 20	415718N721537.1	H. Lane	8-26-55	875	Drc	90	6	10	5	Bedrock	5	8-26-55	4	85	Dom	C.
Stf 21	415644N721716.1	I. Polens	c. -57	845	Drc	125	6		75(?)	Bedrock			7		Dom	C. 31-ft unused dug well in till nearby; dry in 1956.
										Town of Tolland						
To 5	415249N722222.1	A. Parrow	4- -61	810	Drr	127	6	28	15	Bedrock	20	4- -61	6	60	Dom	C.
										Town of Union						
U 3	415740N720949.1	Yale University		792	Dug	25.6	36			Till	18.2	7-18-46			Obs,Aban	Yale Forest. Obs.well, 1946-65.
U 4	415907N720716.1	A. Roderick	c. -58	940	Drc	125	6		10(?)	Bedrock	10	c. -58	8		Dom	C.
U 5	415843N721042.1	Conn. State Highway Dept.	-55	945	Dr	225	6	4	4	Bedrock			1		Aban	C. Formerly used by State Highway garage.
										Town of Willington						
Wg 3	415233N721547.1	E. Guck	6- 1-56	775	Drc	180	6	34	32	Bedrock	40		15	80	Dom	C.
Wg 4	415439N721723.1	P. Marek	12-29-55	545	Drc	125	6	27	27	Bedrock	15		9.8	85	Dom	C.
Wg 5	415117N721802.1	M. Welch	1- 2-58	395	Dr	200	6	55	50	Bedrock	30		112	170	Inst	C. Supplies approximately 72 people at convalescent home.
										Town of Windham						
Wil 1	414239N721219.1	American Thread Co.		190	Drc	83.0	6			Bedrock	7.7	7-17-46			Aban	C. Obs.well, 1946-63.
Wil 2	414224N721245.1	Electro-Motive Mfg. Co.	-10	285	Drc	60	6	10		Bedrock			12		Ind	
Wil 3	414305N721430.1	Eastern Live Poultry Co.	-46	255	Drc	170	6	70	70	Bedrock	15±		32		Ind	
Wil 4	414321N721445.1	Brand-Rex Co.	-42	247	Drc	90	6			Sand and gravel	11	3-10-49	200	15	Un	Formerly owned by American Screw Co., which pumped 100,000 gpd from Wil 4 and Wil 4a.
Wil 4a	414324N721448.1	do	-42	250	Drc	100	6			Sand and gravel	18	3-10-49	200	15	Un	C. See Wil 4.
Wil 5	414309N721214.1	Hallock Ice Cream Co.		260	Drc	180	6	10	10	Bedrock	20		10		Com	C. Original 80-ft well went dry, was deepened to 180 ft.
Wil 6	414248N721222.1	Eyelet Specialty Co.		240	Drc	150	6	20	20	Bedrock			7		Aban	One of two wells on property drilled for ind.use; both yielded insufficient supply and were not used.
Wil 7	414302N721413.1	Waybest Chicks	11-10-55	270	Drc	230	6	13	2	Bedrock	14	4- 1-58	20	100	Un	Intended for cooling at hatchery; rapid clogging of filters necessitated abandonment. Rarely used.
Wil 8	414154N720927.1	Windham Center Fire Dept.	2-16-57	275	Drc	107	6	24	24	Bedrock			5		Com	
Wil 9	414023N720748.1	G. McClure	3-11-56	185	Drc	145	6	86	85	Bedrock	26	3-11-56	8.8	74	Dom	
Wil 10	414037N721040.1	E. Card	6-25-57	335	Drc	53	6		3	Bedrock	7	6-25-57	8	43	Dom	C. Replaces dug well, dry in 1957.
Wil 11	414113N721033.1	Young		150	Dug	18	30	14		Sand and gravel	3.2	4- 1-58			Dom	
Wil 12	414159N721108.1	J. Desrosiers	12-31-55	175	Drc	102	6	44	40	Bedrock	35	12-31-55	20	0	Dom	C.
Wil 15	414358N721117.1	Kendall Corp.-Fiber Prods.Div.	6-10-57	220	Drc	200	6	109	109	Bedrock	70	6-10-57	26	7	Ind	C. Formerly owned by Brand-Rex Co. Originally 153 ft deep, but pumped "sand"; yielded 20 gpm with 25-ft drawdown.
Wil 16	414402N721115.1	do	9- -55	220	Drc	122	8		88	Bedrock	38	9- -55	80	80	Ind	C. Formerly owned by Brand-Rex Co., which pumped well at 100 gpm. Originally tried to develop screened well in sand and gravel; yield 8-10 gpm, pumped sand.

Table 1.--Records of Wells--Continued

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
									Town of Windham--Continued							
Wil 17	414428N720930.1	E. Becker	4- -50	295	Drc	176	6	15	6	Bedrock			10		Dom	At 57 ft, yield was 1.5 gpm.
Wil 18	414019N720858.1	R. Wilson	-60	220	Drc	95	6	20	20	Bedrock	Flowing		30	> 95	Agr	Chicken farm.
Wil 19	414424N720930.1	V. Wunsch	10-31-62	300	Dr	260	6	35	35	Bedrock	28.4	11- 2-62			Dom	
Wil 20	414324N721135.1	C. Zemchoff	-38	200	Drc	63.8	6			Bedrock	38.2	12-14-62			Obs Aban	Formerly used for slaughter house, but yield insufficient. Obs. well, 1962-64.
Wil 21	414322N721132.1	do		190	Dug	16.0				Sand and gravel	15.2	12-14-62			Aban	Dry, 1963.
Wil 22	414343N721050.1	T. E. Gorlach		315	Dug	17.6	29			Till	11.6	12-14-62			Obs,Aban	Obs. well, 1962-64.
Wil 23	414227N721018.1	E. O. Kittel	-38	235	Drc	100±	6	94	94	Bedrock	16				Dom,Agr	
Wil 24	414301N721125.1	Eastern Conn. Firemen's Tr. Sch. & CD Tr. Center		150	Dug	15.0	34			Gravel	6.9	12-17-62			Com	
Wil 25	414202N720935.1	T. Danielson		270	Dug	13.0	30			Till	7.24	12-17-62			Obs,Aban	Obs. well, 1962-64; dry, Oct., 1964.
Wil 26	414134N720925.1	A. Yergerson		245	Drc	39.3	6			Bedrock	16.3	12-17-62			Obs,Aban	Obs. well, 1962-64. May draw from overlying sand and gravel.
Wil 27	414144N720927.1			260	Drc	50.5	5			Bedrock	5.4	1- 9-63			Obs	Obs. well, 1963. Formerly supplied dairy farm.
Wil 28	414302N721435.1	Ralston Purina Co.	4- -52	250	Dr	77	6			Sand and gravel			13.5		Com	Gravel pack, screen.
Wil 29	414045N721006.1	Windham Lumber Co.	c. -58	160	Drc	176	6		150	Bedrock			10		Com	C. Could not bail out well at 156 ft, but had high sediment content, so deepened to 176 ft.
Wil 30	414112N721032.1	Rogers Corp.	-46	155	Drc	200	8			Bedrock			100		Ind	C. Cooling.
Wil 31	414349N721119.1	J. Bousa	6- -48	225	Drc	73	6	69		Gravel	45	-48	14		Com	C. Screen, 250-slot, 69-72 ft.
Wil 32	414230N721014.1	W. Farewell	12- 4-63	240	Drr	185	6	85	80	Bedrock	27.7	12- 5-63	5±		Dom	
Wil 33	414238N721005.1	C. B. Hawes	12- 6-63	245	Drr	125	6	100	100	Bedrock	29.5	12-11-63	9	0	Dom,Com	Driller estimates yield >30 gpm.
Wil 34	414248N721010.1	D. Werth	12- -63	250	Drc	126	6		111	Bedrock	27	12- -63	42	13	Dom	
Wil 36	414334N721126.1	Fairway Motors	10- -61	225	Drc	203	6		191	Bedrock	70	10- -61	12		Com	
Wil 37	414317N720907.1	G. F. Cloutier	8-22-55	450	Drc	309	6	40	25	Bedrock	27	8-22-55	7.5	113	Dom	C.
Wil 38	414343N721042.1	H. Dambrowski	9-21-59	325	Drc	98	6	14	14	Bedrock	50	9-21-59	15	40	Dom	C.
Wil 39	414150N720803.1	W. Franklin	9-26-59	315	Drc	111	6	22	14	Bedrock	21	9-26-59	30	59	Dom	C.
Wil 40	414252N720810.1	R. Fairchild	2- 7-64	315	Drc	160	6	4	4	Bedrock	18	2- 7-64	2.2	142	Dom	
Wil 41	414118N721012.1	Hain Bros. Sand & Gravel Co.	-63	155	Dr	75.9	1.2	70		Sand	20.7	5-12-64			Un	Intended for commercial use. Well point.
Wil 42	414057N720913.1	W. Hobby	3-22-58	330	Drc	100	6	17	4	Bedrock	10	3-22-58	2	90	Dom	C. Yield 2 gpm at 50 ft.
Wil 43	414204N721044.1	Russ Bros., Builders	5-12-64	170	Drc	135	6	90	94	Bedrock	20	5-12-64	20	80	Dom	
Wil 44	414253N721016.1	A. Shashok	-41	255	Dr	115	6		90±	Bedrock	24	-41			Dom	C.
Wil 45	414401N721122.1	Kendall Corp.- Fiber Prds. Div.	5- -53	210	Dr	55.0	8	54	73	Sand and gravel	32.2	5-12-64	2		Aban	L. Formerly owned by Brand-Rex Co. Screen, 350-slot, originally set at 62-73 ft; yield 1.5 gpm. Screen reset at 54-64 ft; yield 2 gpm. Intended for ind. use; never used owing to insufficient yield. Partly filled in.
									Town of Woodstock							
Wk 5	415523N720451.1	J. Krushefsky		600	Dr	80	6	6	6	Bedrock			10		Agr,Dom	
Wk 18	415541N720513.1	S. Kenyon		640	Drc	134	6	15	7	Bedrock	16	10- 2-59	4.5		Dom	C.
Wk 23	420025N720457.1	F. Szynaka	c. -56	817	Drc	109	6	14	12	Bedrock	14±	-56(?)	5±		Dom	C. Water has red color when first pumped.
Wk 25	415906N720458.1	H. Baker	c. -59	690	Dug	8.9	30			Gravel					Dom	
Wk 26	415847N720448.1	P. Murray	3- -58	717	Drc	149	6	111	109	Bedrock	30	3- -58	5		Dom	
Wk 27	415828N720410.1	E. Marcy	-54	729	Drc	155	6	127	122	Bedrock	32	4- -54	5		Dom	C.
Wk 32	415949N720240.1	C. G. Viner	8-24-63	737	Drc	135	6	18	18	Bedrock			18		Dom	Formerly supplied 12 people and 45 cows.
Wk 33	415925N720237.1	C. Syrlac	5- -57	723	Drc	65	6	21	18	Bedrock	22	5- -57	20+		Agr,Dom	

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Date completed	Altitude (feet)	Type of well	Depth of well (feet)	Diameter (inches)	Depth of casing (feet)	Depth to bedrock (feet)	Water-yielding material	Static water level (feet below land surface)	Date of measurement	Yield (gpm)	Drawdown (feet)	Use	Remarks
								Town of Woodstock--Continued								
Wk 34	415859N720229.1	J. Ginelli	c. -46	743	Drc	110	6	30±	30±	Bedrock	20		2.5		Dom	
Wk 36	415826N720227.1	L. Ekman	-57	786	Drc	120	6	7	6	Bedrock			28		Dom	
Wk 37	415811N720204.1	R. H. Phillips	8- -54	818	Drc	96	6	48	42	Bedrock	19	8-24-54	5 10	16 36	Dom	Also bailed at 14 gpm.
Wk 39	415714N720251.1	A. Todd	10- -48	760	Drc	78	6	10	10	Bedrock	2	10- -48	6	18	Dom	
Wk 59	415746N720122.1	Miss A. Johnson	8- -57	822	Drc	172		90		Bedrock			4		Dom	Hardpan, very hard, above bedrock.
Wk 60	415713N720206.1	R. Stringfield	11- -49	776	Drc	195	6	117	117	Bedrock	60(?)	11- -49	2.2		Dom,Agr	C.
Wk 65	415622N720150.1	R. French	10- -58	777	Drc	82	6	8	3	Bedrock	5	10- -58	50+	63	Dom	At 12.5 ft, yield was 3 gpm; at 58 ft, 6 gpm.
Wk 69	415540N720228.1	A. H. Basley	1- -60	768	Drc	147	6	15	15	Bedrock			3.5		Un	C.
Wk 70	415529N720301.1	F. Hopkins	1- -40	755	Drc	121.5	6	130	125	Bedrock	21.0	7-16-62	3(?)		Aban	Depth originally 132 ft; now partly filled in. Used for 6-8 years but pumped sand.
Wk 200	415545N720244.1	C. Williams		670	Dug	12.0	30			Till	2.2	11-13-62			Obs,Aban	Obs. well, 1962-64.
Wk 201	415615N720240.1	B. Arnold		680	Dug	13.3	24			Till	3.3	11-13-62			Obs,Aban	Obs. well, 1962-64.
Wk 202	415637N720241.1	G. Abell		760	Dug	13.4	31			Till	1.5	11-13-62			Obs,Aban	Obs. well, 1962-64.
Wk 203	415644N720248.1	E. Perrin		780	Dug	8.1	30			Till	1.4	11-13-62			Aban	
Wk 204	415710N720247.1	R. Marwood		795	Dug	25.6	24			Till	5.7	1- 9-63			Obs,Aban	Obs well, 1962-64.
Wk 205	415632N720245.1	W. Small	1-22-63	700	Dr	109.5	6		72	Bedrock	13.4	1- 5-63	33		Obs,Dom	Obs well, 1963; hooked up to mobile home, 6-63.
Wk 206	415624N720418.1	E. Peterson	8-10-55	585	Dr	114	6	68	58	Bedrock	30	8-10-55	5	84	Dom	C.

Table 2.--Logs of wells

Under each heading are listed well number, location, owner, and driller.

See table 1 for additional well information.

Text describes well-numbering and location system.

All logs are drillers' logs except for underscored terms, which represent interpretations by W. E. Wilson.

	Thickness (feet)	Depth (feet)
Town of Hebron		
Hb 8. 414312N722530.1. London Park Estates. S. B. Church Co. Log of Hb 9 is identical to that of Hb 8.		
Silt and clay	12	12
Sand, fine, and traces of clay	18	30
Sand, medium	3	33
Sand, medium to coarse, dirty	5	38
Sand, coarse	4	42
Till; gravel hardpan	3	45
Bedrock		at 45
Town of Mansfield		
Ms 25. 414855N721856.1. Mansfield State Training School. R. E. Chapman Co. Log of exploratory hole 6 feet from Ms 25.		
Loam	2	2
Sand, gravel, and boulders	11	13
Sand and gravel	10	23
Sand, medium	5	28
Sand, medium to coarse	4	32
Sand, medium, and fine gravel	5	37
Sand and gravel	39	76
Till; sand, fine, sharp gravel, and trace of clay	3	79
Refusal		at 79
Ms 25b. 414855N721858.1. Mansfield State Training School. P. W. Genovese & Assoc.		
Sand, gravel, and boulders	14	14
Sand and gravel	10	24
Sand, coarse	6	30
Sand and gravel	18	48
Till; sand, fine, some sharp gravel	7	55
Refusal		at 55
Ms 34. 414924N721405.1. University of Connecticut. R. E. Chapman Co.		
Clay, soft, gray	20	20
Hardpan and gravel	5	25
Gravel, water-bearing, brownish	45	70
Bedrock		at 70
Ms 35. 414925N721408.1. University of Connecticut. R. E. Chapman Co. Log of test hole close to site of Ms 35.		
Sand, fine, and clay	5	5
Boulders, hardpan, and gravel	15	20
Gravel, water-bearing, brown	20	40
Gravel, water-bearing, light-colored	23	63
Bedrock		at 63
Ms 36. 414855N721338.1. University of Connecticut. R. E. Chapman Co. Log of test hole close to site of Ms 36.		
Gravel, coarse	10	10
Sand, coarse	35	45
Gravel, coarse	14	59
Bedrock		at 59
Town of Windham		
Wi 45. 414401N721122.1. Kendall Corp., Fiber Products Division. Matheis Well Drillers.		
Clay, sandy, brown	10	10
Hardpan; clay, gravel, and stones (cobbles), brown	12	22
Sand, coarse, gravel, and some clay, brown	5	27
Sand, coarse, and gravel; "clean," brown	6	33
Sand, medium grits (very coarse sand), and some gravel, brown	1	34
Sand, fine to coarse, and some gravel, reddish-brown	4	38
Sand, coarse, and "heavy" gravel, brown	2	40
Sand, fine to medium, brown	8	48
Sand, fine to medium, and grits (very coarse sand), brown	5	53
Sand, medium to coarse, and gravel, light-tan	5	58
Sand, coarse, grits (very coarse sand), and gravel, light-tan	6	64
Till; sand, fine to coarse, grits (very coarse sand), and angular stones up to 3 inches, grayish-tan	5	69
Till; sand, medium to coarse, grits (very coarse sand), and angular stones, grayish-tan	4	73
Bedrock, hard		at 73

Table 3.--Logs of test holes.

Test-hole number, location: See text for explanation of test-hole numbering and location systems.

Altitude: Estimated from topographic map, except for Connecticut State Highway Department and U.S. Corps of Engineers borings, whose altitudes were determined by precise leveling. Estimated altitude of pit floor at the drill site is given for borings in sand and gravel pits.

Depth to water: Measurements generally made shortly after completion of the hole and may not be representative of natural conditions.

Chemical analyses: C., chemical analysis in table 12.

U.S. Geological Survey borings: All logs for which the U.S. Geological Survey is listed as owner are based on auger borings. Logs were prepared by geologists from field examination of auger cuttings, observation of the operation of the drilling rig, and from the results of a few grain-size analyses. Colors are based on the Munsell color system. Colors are of dry or moist samples above the water table, and of wet samples below the water table.

Other borings: Terms underscored represent interpretations by W. E. Wilson. Grain-size classifications used in preparation of logs are compared in the table to the right.

Connecticut State Highway Department: Mostly small-diameter borings put down with jetting rigs equipped to core rock, by the Highway Department or by commercial test drilling firms under contract. Logs are based on split-spoon samples collected generally at 5-foot intervals, supplemented by drillers' observations. Grain-size classification used by the Highway Department changed in 1959.

U.S. Corps of Engineers: Similar to Connecticut State Highway Department borings, except split-spoon sampling was usually continuous above bedrock. Logs given in this report represent simplified interpretations of the original logs, which were coded according to the Providence Soil Classification system.

Grain size (millimeters)	U.S. Geological Survey borings	Most Conn. State Highway Dept. borings in this report	AASHO Classification: Conn. State Highway Dept. borings since about 1959	Unified Soil Classification: U.S. Corps of Engineers borings	Grain size (millimeters)
256	Boulders		Boulders		
			203 mm (8 in)		
	Cobbles		Cobbles	Cobbles	76.2 (3 in)
64			coarse		
			25.4 mm		
	Pebbles	Gravel	Gravel medium	Gravel	
			9.5 mm		4.76
4			fine		
	Granules - very fine gravel			Coarse sand	
2					2
	Very coarse sand				
1	Coarse sand	Coarse sand	Coarse sand	Medium sand	
		0.6 mm			
.5					.42
	Medium sand	Medium sand			
.25		0.2 mm			
	Fine sand		Fine sand	Fine sand	
.125		Fine sand			
	Very fine sand				.074
.063		0.06 mm		Fines	
	Silt	Silt	Silt	(Silt or Clay)	
.004		0.002 mm			.004
	Clay	Clay	Clay		

Town of Andover

Ar 1 th. 414528N722340.1. U.S. Geol. Survey. Drilled 1963. Altitude 315 ft. Depth to water more than 3 ft.

	Thickness (feet)	Depth (feet)
Alluvium, gravelly, dusky-yellow to yellowish-gray	4	4
Sand, very fine, silty	2	6
Sand, fine, dark yellowish-brown	8	14
Sand, medium to coarse, dark yellowish-brown	29	43
Till, clayey, olive-brown	1	44
Refusal		at 44

Town of Ashford

Af 1 th. 415012N721006.1. U.S. Geol. Survey. Drilled 1963. Altitude 345 ft. Depth to water 3 ft.

	Thickness (feet)	Depth (feet)
Gravel, with fine to coarse pebbles	4	4
Sand, very coarse, and gravel, with fine pebbles	14	18
Sand, medium to very coarse, and gravel, with fine pebbles, stratified	5	23
Till, very sandy, with pebbles and cobbles, light olive-gray	5	28
Refusal		at 28

Town of Bolton

Bo 1 th. 414701N722601.1. U.S. Geol. Survey. Drilled 1963. Altitude 470 ft. Depth to water more than 13.5 ft.

	Thickness (feet)	Depth (feet)
Fill	8	8
Silt, dark yellowish-brown	3	11
Sand, very fine to coarse, silty, reddish-brown	2.5	13.5
Gravel (?)		at 13.5
Refusal		at 13.5

Town of Chaplin

Cp 1 th. 414530N720900.1. U.S. Geol. Survey. Drilled 1963. Altitude 270 ft. Depth to water more than 16.5 ft.

	Thickness (feet)	Depth (feet)
Sand, medium, with some interbedded gravel, olive-brown	28	28
Till, gravelly and clayey	9	37
Refusal		at 37

Cp 3 th. 414701N720859.1. U.S. Geol. Survey. Drilled 1963. Altitude 265 ft. Depth to water 13.5 ft. Drilled in floor of sand and gravel pit.

	Thickness (feet)	Depth (feet)
Sand, medium, moderate olive-brown	15	15
Sand, fine to medium, grading with depth to very fine to fine sand	33	48
Till, sandy and gravelly, grayish-olive	13	61
Till, clayey, medium bluish-gray	0.8	61.8
Refusal		at 61.8

Cp 4 th. 414605N720904.1. U.S. Geol. Survey. Drilled 1963. Altitude 255 ft. Depth to water 15.0 ft. Drilled in floor of sand and gravel pit.

	Thickness (feet)	Depth (feet)
Sand, medium, grayish-yellow to dark yellowish-orange	14	14
Sand, fine, yellowish-gray	33	47
Gravel (till?)	4	51
Refusal		at 51

Cp 5a th. 414559N720854.2. U.S. Geol. Survey. Drilled 1963. Altitude 242 ft. Depth to water 8.2 ft. C.

	Thickness (feet)	Depth (feet)
Silt and clay, black	4	4
Sand, very fine to fine, silty, yellowish-brown	1	5
Sand and gravel, interbedded, moderate olive-brown	23	28
Sand, medium to very coarse, dark yellowish-brown	30	58
Refusal		at 58

Cp 7 th. 414802N720705.1. U.S. Geol. Survey. Drilled 1963. Altitude 335 ft. Depth to water 6.2 ft. C.

	Thickness (feet)	Depth (feet)
Silt, clayey, black to yellowish-brown	7.5	7.5
Sand, very fine to medium, olive-gray, and gravel in thin beds at 7.5 ft and 11.5 ft.	15.5	23
Gravel and medium to very coarse sand, interbedded, olive-brown	23	46
Till (?), sandy and pebbly, olive-gray	2	48

Town of Columbia

Clb 1 th. 414410N721950.1. U.S. Geol. Survey. Drilled 1963. Altitude 280 ft. Depth to water 10.2 ft. C.

	Thickness (feet)	Depth (feet)
Clay to very fine sand, black to brown	6	6
Alluvium, gravelly, dark yellowish-brown	6	12
Sand, very fine, silty, increasing in siltiness with depth, olive-brown to olive-gray	32	44
Sand, medium, and gravel, with fine pebbles, light-brown to moderate olive-brown	11	55
Till, clayey, medium bluish-gray		at 55

Clb 2a th. 414328N721840.1. U.S. Geol. Survey. Drilled 1963. Altitude 295 ft. Depth to water 11± ft.

	Thickness (feet)	Depth (feet)
Topsoil	2	2
Gravel, with pebbles, yellowish-gray	6	8
Sand, fine, yellowish-gray	3	11
Gravel	8	19
Refusal		at 19

Clb 3 th. 414331N721841.1. U.S. Geol. Survey. Drilled 1963. Altitude 295 ft. Depth to water 10.6 ft.

	Thickness (feet)	Depth (feet)
Silt and very fine sand, moderate yellowish-brown	3	3
Silt, moderate yellowish-brown	10	13
Sand and gravel	6	19
Sand	9	28
Silt and sand, gravelly, (till?)	10	38
Till, clayey, light olive-gray	3.5	41.5
Refusal		at 41.5

Clb 5 th. 414311N721629.1. U.S. Geol. Survey. Drilled 1963. Altitude 255 ft. Depth to water 10.4 ft.

	Thickness (feet)	Depth (feet)
Sand, very fine to fine	8	8
Sand, fine and medium, moderate yellowish-brown	1	9
Sand, medium, grading with depth to fine to medium, micaceous, light olive-gray	34	43
Sand and gravel	3	46
Sand, fine	34	80
Till, gravelly, compact	10	90
Refusal		at 90

Town of Coventry

Cv 1 th. 414319N721515.1. U.S. Geol. Survey. Drilled 1963. Altitude 245 ft. Depth to water 5-7 ft. Drilled in floor of sand and gravel pit.

	Thickness (feet)	Depth (feet)
Sand, very fine, silty	3	3
Alluvium, gravelly, dark yellowish-brown	2	5
Sand, fine, reddish-brown	8	13
Sand, fine, olive-gray to medium-gray	44	57
Sand, medium to coarse, light yellowish-brown, and some thin beds of pebble gravel	24	81
Gravel	13	94
Till (?)	1	95
Refusal		at 95

Cv 2 th. 414410N721600.1. U.S. Geol. Survey. Drilled 1963. Altitude 265 ft. Depth to water 25.0 ft. Drilled in floor of sand and gravel pit. C.

	Thickness (feet)	Depth (feet)
Gravel, with pebbles and cobbles	0.5	0.5
Sand, medium, moderate-yellow	27.5	28
Sand, fine, olive-gray	28	56
Sand, medium to very coarse, light olive-gray to grayish-olive	27	83
Gravel, compact	8	91
Till (?)	3	94
Refusal		at 94

Cv 3 th. 414417N721553.1. U.S. Geol. Survey. Drilled 1963. Altitude 235 ft. Depth to water 2.0 ft. C.

	Thickness (feet)	Depth (feet)
Sand, very fine to fine, olive-brown	4	4
Sand, coarse to very coarse, pebbly, olive-brown	23	27
Sand, medium to very coarse, moderate yellowish-brown	25	52
Sand, medium, light olive-brown	73.5	125.5
Till, sandy and gravelly, grayish-olive	3.5	129
Refusal		at 129

Cv 5 th. 414752N722100.1. U.S. Geol. Survey. Drilled 1963. Altitude 475 ft. Depth to water more than 5.3 ft.

	Thickness (feet)	Depth (feet)
Topsoil	1	1
Gravel, light-brown	7	8
Sand, medium, moderate to dark yellowish-brown	4	12
Sand, very fine to medium, dark yellowish-brown	46	58
Gravel (till?)	8	66
Refusal		at 66

Cv 6 th. 414905N722103.1. U.S. Geol. Survey. Drilled 1963. Altitude 480 ft. Depth to water 2.2 ft. C.

	Thickness (feet)	Depth (feet)
Sand, silty and clayey, black	4.5	4.5
Gravel, with pebbles	3.5	8
Sand, medium to very coarse, pebbly, moderate to dark yellowish-brown	5	
Gravel, sandy and clayey, light olive-brown, (till?)	2	15
Refusal		at 15

	Thickness (feet)	Depth (feet)
Town of Coventry--Continued		
8 th. 414332N721720.1. U.S. Geol. Survey. Drilled 1963. Altitude 253 ft. Depth to water 9.7 ft.		
Sand, fine	6.5	6.5
Sand, fine to very fine, silty, and interbedded fine gravel	6.5	13
Sand, very fine, silty, dark yellowish-brown	4	17
Sand, medium, dark yellowish-brown	22	39
Gravel, dark yellowish-brown	2	41
Refusal		at 41
Cv 9 th. 414501N721618.1. U.S. Geol. Survey. Drilled 1963. Altitude 270 ft. Drilled in floor of sand and gravel pit.		
Sand, very fine to fine, silty, overlying medium to coarse sand	89	89
Sand and gravel	20	109
Refusal		at 109
Cv 10 th. 414731N722119.1. U.S. Geol. Survey. Drilled 1963. Altitude 460 ft. Depth to water 4.9 ft.		
Gravel	4	4
Sand, medium to very coarse, moderate-brown	4	8
Till (?)		at 8
Refusal		at 8
Town of Eastford		
Ed 1b th. 415121N720535.2. U.S. Geol. Survey. Drilled 1963. Altitude 400 ft. Depth to water 2.4 ft.		
Silt, clayey, brownish-black	4	4
Gravel, with granules and fine pebbles, angular, light to moderate olive-brown.	12	16
Sand, medium to coarse grading with depth to fine to medium, moderate yellowish-brown	34	50
Gravel, sandy with pebbles and cobbles, compact, moderate olive-brown	8	58
Refusal		at 58
Ed 3 th. 415030N720545.1. U.S. Geol. Survey. Drilled 1963. Altitude 444 ft. Depth to water 11.2 ft. C.		
Topsoil, sandy	3	3
Sand, very fine to fine, some thin beds of gravel, moderate olive-brown	7	10
Sand, medium, moderate olive-brown	6	16
Sand, coarse to very coarse, dark yellowish-orange	7	23
Gravel	1	24
Refusal		at 24
Town of Ellington		
El 1a th. 415553N722243.1. U.S. Geol. Survey. Drilled 1963. Altitude 685 ft. Depth to water more than 18 ft.		
Sand, fine, and gravel, compact, light olive-gray	18	18
Refusal		at 18
El 2 th. 415551N721833.1. Conn. State Highway Department. Drilled 1952. Altitude 436 ft. Depth to water 4± ft.		
Loam and little gravel	3	3
Sand, very fine, and silt	2	5
Sand and gravel, with cobbles	14	19
Till	5	24
Rock	8	32
Town of Hampton		
Hp 1 th. 414733N720304.1. U.S. Geol. Survey. Drilled 1963. Altitude 383 ft. Depth to water 4.7 ft. C.		
Topsoil, clay and silt	2	2
Gravel, with pebbles	1	3
Sand, medium, moderate yellowish-brown	10	13
Sand, fine to medium, and gravel, dark yellowish-orange to moderate yellowish-brown	9	22
Sand, medium to coarse, iron-stained, dark yellowish-orange	22	44
Till, sandy, gray	1	45
Refusal		at 45
Hp 2 th. 414535N720310.1. U.S. Geol. Survey. Drilled 1963. Altitude 383 ft. Depth to water more than 26.5 ft. Drilled in floor of sand and gravel pit.		
Sand, fine to medium, with thin gravel beds at 5 ft and 10 ft, dusky-yellow	12	12
Sand, fine to medium, moderate-yellow	57	69
Till, sandy, moderate olive-brown to grayish-olive	0.5	69.5
Refusal		at 69.5
Hp 3 th. 414511N720240.1. U.S. Geol. Survey. Drilled 1963. Altitude 368 ft. Depth to water 27.1 ft. C.		
Sand, fine, with some thin gravel beds, dusky-yellow	12	12
Sand, very fine to fine, grading with depth to silty very fine sand, dusky-yellow	21	33
Sand, very fine to fine, silty, with some thin gravel beds, light olive-gray	7	40
Sand, very fine, silty and clayey, medium bluish-gray.	12	52
Refusal		at 52
Town of Franklin		
Fr 1 th. 413652N720734.1. U.S. Geol. Survey. Drilled 1965. Altitude 145 ft. Depth to water 3.8 ft.		
Fill	5	5
Sand, fine	5	10
Gravel, silty and sandy, with fine pebbles, angular, poorly sorted	16	26
Sand, very fine to medium	27	53
Till, clayey, moderate olive-brown	3.5	56.5
Refusal		at 56.5
Town of Lisbon		
Ls 1 th. 413722N720220.1. Federal Paper Board Co. Drilled 1962. Altitude 110 ft. Depth to water 3 ft. Log by Layne-New York Co., Inc., driller.		
Peat	1	1
Sand, fine to coarse, and gravel	14	15
Sand, fine	13.5	28.5
Refusal		at 28.5
Ls 2 th. 413718N720219.1. Federal Paper Board Co. Drilled 1962. Altitude 110 ft. Depth to water 3 ft. Log by Layne-New York Co., Inc., driller.		
Peat	5	5
Sand, fine to medium, and gravel	5	10
Sand, fine	26	36
Sand, fine, and trace of gravel	3.5	39.5
Refusal		at 39.5
Ls 3 th. 413714N720217.1. Federal Paper Board Co. Drilled 1962. Altitude 105 ft. Depth to water 3 ft. Log by Layne-New York Co., Inc., driller.		
Peat	3	3
Sand and gravel	7	10
Sand, fine	25	35
Sand, fine, traces of gravel	2	37
Ls 4 th. 413508N720247.1. Conn. State Highway Department. Drilled 1955. Altitude 52 ft. Depth to water 0 ft.		
Water	7	7
Sand, fine to coarse, some silt, little fine to medium gravel	11	18
Sand and gravel; till; sand, fine to coarse, some silt, some fine to medium gravel, gray-brown	15	33
Silt, and little fine sand, brown-gray	11	44
Sand, fine, and some silt, brown	18.6	62.6
Bedrock	5	67.6
Ls 5 th. 413358N720243.1. Conn. State Highway Department. Drilled 1937. Altitude 23 ft.		
Gravel and boulders	7	7
Gravel, boulders, and very little sand	11	18
Rock	5	23
Ls 6 th. 413359N720241.1. Conn. State Highway Department. Drilled 1937. Altitude 33 ft.		
Sand, soft, brown	9	9
Gravel and some brown sand, hard	10	19
Gravel and some brown clay, hard	17	36
Sand, coarse	2	38
Gravel and boulders, hard	8	46
Refusal		at 46
Ls 8 th. 413329N720244.1. Conn. State Highway Department. Drilled 1938. Altitude 30 ft. Depth to water 7 ft.		
Sand, fine, soft	11	11
Sand, gravel, and cobbles, hard	33	44
Sand, fine and coarse, soft	7	51
Till; gravel, sand, and clay, hard	7	58
Bedrock	5	63
Town of Mansfield		
Ms 1 th. 414341N721212.1. U.S. Geol. Survey. Drilled 1963. Altitude 190 ft. Depth to water 13.9 ft. Drilled in floor of sand and gravel pit. C.		
Ms 1 th--Continued		
Sand, medium, some thin gravel beds, moderate to dark yellowish-brown	23	23
Sand, very fine to medium, and gravel, dark yellowish-brown	24	47
Sand, medium to very coarse, moderate yellowish-brown	6	53
Sand, medium to coarse, and gravel, moderate yellowish-brown	7	60
Refusal		at 60
Ms 2 th. 414402N721222.1. U.S. Geol. Survey. Drilled 1963. Altitude 197 ft. Depth to water 13.4 ft. Drilled in floor of sand and gravel pit.		
Fill	3	3
Sand, very fine, light to moderate olive-brown	7	10
Sand, very fine, and gravel, thin-bedded, olive-gray	5	15
Sand, medium, and gravel, dark yellowish-brown.	3	18
Refusal		at 18
Ms 3 th. 414357N721140.1. U.S. Geol. Survey. Drilled 1963. Altitude 163 ft. Depth to water 5.4 ft. C.		
Gravel, with pebbles and cobbles, rounded	2	2
Sand, fine to medium, moderate yellowish-brown	4	6
Gravel, with pebbles and cobbles, and sand, moderate yellowish-brown	8	14
Sand, medium to coarse, some thin gravel beds, moderate yellowish-brown	61	75
Gravel, coarse, with fine sand matrix, moderate yellowish-brown	1	76
Refusal		at 76
Ms 5 th. 414356N721349.1. U.S. Geol. Survey. Drilled 1963. Altitude 253 ft. Depth to water 8.9 ft. C.		
Topsoil.	2	2
Sand and gravel.	16	18
Sand, fine to coarse, pebbly, moderate yellowish-brown	10	28
Sand, grayish-olive	67	95
Till (?), sandy and gravelly, gray	11.8	106.8
Refusal		at 106.8
Ms 6 th. 414515N721127.1. U.S. Geol. Survey. Drilled 1963. Altitude 230 ft. Depth to water more than 13 ft. Drilled in floor of sand and gravel pit.		
Sand, medium to coarse, grayish-orange	5	5
Sand, very fine to fine, dusky-yellow	6	11
Till, sandy and gravelly	2	13
Refusal		at 13
Ms 7 th. 414413N721331.1. U.S. Geol. Survey. Drilled 1963. Altitude 255 ft. Depth to water 9.8 ft.		
Gravel, with cobbles, light olive-gray	10	10
Sand, medium to very coarse, moderate olive-brown	28	38
Till, sandy and gravelly, medium-gray	13.5	51.5
Refusal		at 51.5
Ms 8 th. 414416N721541.1. U.S. Geol. Survey. Drilled 1963. Altitude 260 ft. Depth to water 15± ft. Drilled in floor of sand and gravel pit.		
Gravel, with pebbles	6	6
Sand, medium, light olive-brown	3	9
Till, gravelly, olive-gray to dark greenish-gray	7	16
Ms 9 th. 414757N721843.1. U.S. Geol. Survey. Drilled 1963. Altitude 285 ft. Depth to water 3.7 ft. C.		
Topsoil	4	4
Gravel	6	10
Sand, medium, moderate yellowish-brown	24	34
Gravel and sand, compact, dark yellowish-brown, (till?)	17	51
Refusal		at 51
Ms 12 th. 414805N721828.1. U.S. Geol. Survey. Drilled 1963. Altitude 325 ft. Depth to water 3.6 ft. C.		
Topsoil, organic, black	1	1
Sand and gravel, clayey, compact, moderate olive-brown	18	19
Till, clayey and gravelly, light olive-gray	3.5	22.5
Till, clayey, gray-blue to dusky-blue	0.5	23
Refusal		at 23

	Thickness (feet)	Depth (feet)
Town of Mansfield--Continued		
Ms 13 th. 414643N721132.1. U.S. Geol. Survey. Drilled 1963. Altitude 265 ft. Depth to water 49.7 ft. Drilled in floor of sand and gravel pit. C.		
Sand, fine and medium, and gravel, with fine pebbles, stratified, yellowish-gray to dusky-yellow	29	29
Sand, very fine to fine, silty	67	96
Till, sandy and gravelly, olive-gray	4	100
Refusal		at 100
Ms 15 th. 414643N721057.1. U.S. Geol. Survey. Drilled 1963. Altitude 210 ft. Depth to water 4.0 ft.		
Gravel, and sand, medium to coarse, stratified	40	40
Refusal		at 40
Ms 16 th. 414559N721037.1. U.S. Geol. Survey. Drilled 1963. Altitude 225 ft. Depth to water 11.0 ft. Drilled in floor of sand and gravel pit.		
Gravel, and sand, medium to very coarse, pebbly	8	8
Sand	41	49
Till (?), sandy, light olive-gray	2	51
Ms 18 th. 414524N721058.1. U.S. Corps of Engineers. Drilled 1939. Altitude 234 ft. Depth to water more than 20 ft.		
Topsoil	1	1
Silt to fine sand	4	5
Till; gravel, with boulders	15	20
Ms 19 th. 414525N721054.1. U.S. Corps of Engineers. Drilled 1943. Altitude 240 ft. Depth to water 22 ft.		
Topsoil	1	1
Gravel, medium-compact	11	12
Till; gravel, poorly sorted, very compact	17	29
Bedrock	27	56
Ms 20 th. 414522N721048.1. U.S. Corps of Engineers. Drilled 1944. Altitude 226 ft. Depth to water 23 ft.		
Topsoil	1	1
Gravel, medium-compact	15	16
Till; gravel, poorly sorted, very compact	19	35
Bedrock	25	60
Ms 21 th. 414545N721106.1. U.S. Corps of Engineers. Drilled 1944. Altitude 242 ft. Depth to water 3 ft.		
Topsoil	1	1
Gravel, loose	3	4
Sand, medium to coarse, loose	12	16
Gravel, medium-compact	25	41
Sand, fine to medium, medium-compact	3	44
Bedrock	6	50
Ms 22 th. 414551N721140.1. U.S. Corps of Engineers. Drilled 1944. Altitude 252 ft. Depth to water 8 ft.		
Topsoil	1	1
Gravel, loose	20	21
Sand, fine to medium, loose	23	44
Sand, fine, silty	3	47
Sand, fine to medium	14	61
Till; gravel, medium-compact	6	67
Bedrock	5	72
Ms 23 th. 414544N721123.1. U.S. Corps of Engineers. Drilled 1944. Altitude 263 ft. Depth to water 37 ft.		
Gravel, medium-compact	10	10
Sand, fine to medium, medium-compact	24	34
Sand, medium to coarse, medium-compact	10	44
Sand, fine to medium, loose	6	50
Silt, sandy, loose	4	54
Sand, fine to medium, loose	12	66
Sand, fine, silty, loose	24	90
Silt, medium-compact	12	102
Sand, fine	13	115
Gravel, medium-compact	7	122
Sand, fine, silty, compact	6	128
Gravel, till(?)	4	132
Till; gravel, very compact	4	136
Bedrock	4	140
Ms 24 th. 414529N721051.1. U.S. Corps of Engineers. Drilled 1944. Altitude 264 ft. Dry.		
Topsoil	2	2
Gravel, compact to very compact	24	26
Bedrock	33	59
Ms 25 th. 414550N721148.1. U.S. Corps of Engineers. Drilled 1944. Altitude 254 ft. Depth to water 7 ft.		
Gravel, loose	8	8
Sand, medium	3	11
Gravel, loose to medium-compact	10	21
Ms 25 th.--Continued		
Sand, medium to coarse, medium-compact	4	25
Gravel, medium-compact	7	32
Till; sand and gravel, very compact.	7	39
Ms 26 th. 414550N721136.1. U. S. Corps of Engineers. Drilled 1944. Altitude 256 ft. Depth to water 8 ft.		
Gravel, loose to medium-compact	11	11
Silt to fine sand, loose	30	41
Ms 27 th. 414544N721115.1. U.S. Corps of Engineers. Drilled 1944. Altitude 263 ft. Depth to water 27 ft.		
Sand, fine to medium, loose	3	3
Gravel, medium-compact	12	15
Sand, medium, loose	26	41
Ms 28 th. 414541N721052.1. U.S. Corps of Engineers. Drilled 1945. Altitude 254 ft. Depth to water 10 ft.		
Topsoil	1	1
Gravel and sand, loose to compact.	14	15
Till; gravel, poorly sorted, compact	17	32
Bedrock	9	41
Ms 29 th. 414556N721052.1. U.S. Corps of Engineers. Drilled 1946. Altitude 258 ft. Depth to water 21± ft.		
Gravel, loose	3	3
Sand, medium to fine, and silt, stratified, loose	6	9
Gravel, loose to medium-compact.	16	25
Till; gravel, compact to very compact.	17	42
Ms 30 th. 414558N721056.1. U.S. Corps of Engineers. Drilled 1946. Altitude 255 ft. Depth to water 12 ft.		
Gravel, loose to very compact	12	12
Till; gravel, with boulders	4	16
Bedrock	11	27
Ms 31 th. 414626N721140.1. U.S. Corps of Engineers. Drilled 1946. Altitude 271 ft. Depth to water 48 ft.		
Gravel, loose	10	10
Sand, fine, and silt, stratified, medium-compact	31	41
Gravel, medium-compact	9	50
Sand, medium to coarse, compact	5	55
Sand, fine to medium, medium-compact	6	61
Gravel, loose	2	63
Sand, medium to coarse	8	71
Gravel, loose	7	78
Ms 32 th. 414627N721142.1. U.S. Corps of Engineers. Drilled 1946. Altitude 222 ft. Depth to water 1 ft.		
Peat	2	2
Gravel,loose	40	42
Sand, medium to coarse	7	49
Gravel	8	57
Silt, loose	7	63
Gravel, loose	3	66
Bedrock	6	72
Ms 33 th. 414627N721144.1. U.S. Corps of Engineers. Drilled 1946. Altitude 275 ft. Depth to water 56± ft.		
Sand, medium to fine, and gravel, stratified	22	22
Sand, fine to medium	17	39
Sand, medium	8	47
Sand, fine to medium	15	62
Silt to fine sand	7	69
Sand, fine	6	75
Sand, fine to medium	4	79
Gravel	7	86
Sand, very fine to fine	11	97
Silt to fine sand	9	106
Sand, very fine to fine	9	115
Sand, medium	7	122
Bedrock	6	128
Ms 34 th. 414628N721147.1. U.S. Corps of Engineers. Drilled 1946. Altitude 252 ft. Depth to water 31 ft.		
Gravel, loose	8	8
Sand, medium to coarse, medium-compact	5	13
Sand, fine to medium, medium-compact	7	20
Sand, very fine to fine, medium-compact	11	31
Sand, fine to medium	15	46
Gravel, medium-compact	5	51
Ms 35 th. 414617N721200.1. U.S. Corps of Engineers. Drilled 1946. Altitude 277 ft. Depth to water 35 ft.		
Gravel, medium-compact	12	12
Sand, medium, loose	4	16
Sand, very fine to fine, loose	38	54
Silt to fine sand, loose	8	62
Till; gravel, compact	3	65
Bedrock	4	69
Ms 36 th. 414635N721126.1. Conn. State Highway Department. Drilled 1951. Altitude 214 ft. Depth to water 3 ft.		
Sand, fine to medium, black silt, gravel, organic matter, stratified	25	25
Sand, fine, brown	2	27
Sand, fine, brown, and gravel	8	35
Sand, fine, gray	14	49
Sand, gray, and gravel	3	52
Sand, medium, brown	13	65
Ms 37 th. 414635N721123.1. Conn. State Highway Department. Drilled 1951. Altitude 212 ft. Depth to water 1 ft.		
Silt, black, and organic matter	4	4
Sand, coarse, and gravel	13	17
Sand, medium, brown	2	19
Sand, brown, and gravel.	21	40
Sand, fine and coarse, brown, and gravel, stratified	13	53
Sand, gray, and gravel	12	65
Ms 38 th. 414921N721404.1. University of Connecticut. Drilled 1948. Altitude 305 ft. Depth to water 12 ft. Log by R. E. Chapman Co., driller.		
Boulders	5	5
Gravel, medium	37	42
Till; hardpan and boulders	42	45
Refusal; bedrock		at 45
Ms 39 th. 414914N721353.1. University of Connecticut. Drilled 1948. Altitude 297 ft. Depth to water 7 ft. Log by R. E. Chapman Co., driller.		
Clay, brown	5	5
Gravel	5	10
Boulders, clay, and gravel	37	47
Bedrock	6	53
Ms 40 th. 414915N721351.1. University of Connecticut. Drilled 1948. Altitude 295 ft. Depth to water 7 ft. Log by R. E. Chapman Co., driller.		
Boulders, clay, and gravel	25	25
Gravel, water-bearing	15	40
Refusal; bedrock		at 40
Ms 41 th. 414911N721357.1. University of Connecticut. Drilled 1948. Altitude 295 ft. Depth to water 5 ft. Log by R. E. Chapman, Co., driller.		
Alluvium; boulders, clay, and hardpan	5	5
Gravel, water-bearing	20	25
Refusal; bedrock		at 25
Ms 42 th. 414853N721337.1. University of Connecticut. Drilled 1949. Altitude 287 ft. Depth to water 10 ft. Log by R. E. Chapman Co., driller.		
Hardpan and gravel	40	40
Gravel, water-bearing	22	62
Refusal; bedrock		at 62
Ms 43 th. 414851N721853.1. Mansfield State Training School. Drilled 1958 (?). Altitude 302 ft. Depth to water 5 ft. Log by P. W. Genovese & Assoc., driller.		
Loam and gravel	3	3
Sand, gravel, and boulders	7	10
Sand and gravel	17	27
Sand, coarse, red	16	43
Sand, medium to coarse	20	63
Sand, fine, gray	5	68
Sand, silty, gray.	3	71
Refusal		at 71
Ms 44 th. 414850N721856.1. Mansfield State Training School. Drilled 1958 (?). Altitude 300 ft. Depth to water 2 ft. Log by P. W. Genovese & Assoc., driller.		
Loam	2	2
Sand, gravel, and boulders	16	18
Sand and gravel.	11	29
Sand, medium, brown.	8	37
Sand, medium, and gravel	4	41
Sand, silty	6	47
Till(?); sand, fine, and sharp gravel	2	49
Refusal		at 49
Town of Norwich		
Nwh 1 th. 413546N720301.1. Conn. State Highway Department. Drilled 1938. Altitude 60 ft. Depth to water 0 ft.		
Gravel, cobbles, and boulders, hard	12	12
Sand, fine, and clay, soft	26	38
Till(?); gravel and cobbles, hard.	7	45
Bedrock		at 45

	Thickness (feet)	Depth (feet)
Town of Norwich--Continued		
12 th. 413547N720300.1. Conn. State Highway Department. Drilled 1938. Altitude 48 ft. Depth to water 5 ft.		
Sand, fine and coarse, soft	9	9
Gravel and cobbles, hard	9	18
Sand, fine, and clay	37	55
Till(?); gravel, hard	3	58
Bedrock		at 58
Nwh 3 th. 413507N720252.1. Conn. State Highway Department. Drilled 1955. Altitude 56 ft. Depth to water 3 ft.		
Sand, fine, gray	6	6
Sand, fine to coarse, and little fine to medium gravel, gray	8	14
Boulder	1.5	15.5
Gravel, fine to coarse, and some fine to coarse sand, gray-brown	18.3	33.8
Boulder	3	36.8
Sand, fine, some gravel, trace of coarse sand, trace of silt, brown	5.2	42
Sand, fine to medium, brown-grey.	4	46
Bedrock	5	51
Nwh 4 th. 413358N720245.1. Conn. State Highway Department. Drilled 1937. Altitude 30 ft.		
Cinders and gravel, hard	15	15
Boulders	2	17
Gravel	1	18
Rock	5	23
Nwh 140 th. 413329N720246.1. Conn. State Highway Department. Drilled 1938. Altitude 25 ft. Depth to water 2 ft.		
Sand, gravel, and cobbles, hard	7	7
Sand, fine, and clay, soft	8	15
Sand, gravel, and cobbles, hard	6	21
Sand, fine, and clay, gray	4	25
Sand and gravel	1	26
Bedrock	5	31
Nwh 141 th. 413329N720246.2. Conn. State Highway Department. Drilled 1938. Altitude 23 ft. Depth to water 0 ft.		
Water	7	7
Gravel and cobbles, hard	4	11
Bedrock	7	18
Town of Sprague		
Sp 1 th. 413702N720508.1. Conn. State Highway Department. Drilled 1940. Altitude 80 ft. Depth to water 12 ft.		
Fill; sand, gravel and cobbles	19	19
Sand, fine, and clay	65	84
Sand	18	102
Sp 2 th. 413704N720507.1. Conn. State Highway Department. Drilled 1940. Altitude 78 ft. Depth to water 1 ft.		
Sand, gravel and cobbles	12	12
Sand, fine, and clay	21	33
Sand, fine and coarse	8	41
Sand, fine, and clay	40	81
Sand, fine and coarse	13	94
Sand and gravel	10	104
Sp 3 th. 413738N720321.1. Federal Paper Board Co. Drilled 1962. Altitude 117 ft. Depth to water 3 ft. Log by Layne-New York Co., Inc., driller.		
Topsoil	2	2
Sand, fine to coarse, and gravel	15	17
Sand, fine, brown	8	25
Sand, traces of clay, gray	12	37
Sand, fine to coarse, and gravel	7	44
Refusal		at 44
Sp 4 th. 413737N720323.1. Federal Paper Board Co. Drilled 1962. Altitude 120 ft. Depth to water 1 ft. Log by Layne-New York Co., Inc., driller.		
Topsoil, peat	3	3
Sand, fine to coarse, and gravel.	14	17
Sand, fine	3	20
Sand, fine to coarse, and gravel, very compact	17	37
Refusal		at 37
Sp 5 th. 413741N720325.1. Federal Paper Board Co. Drilled 1962. Altitude 117 ft. Depth to water 1 ft. Log by Layne-New York Co., Inc., driller.		
Topsoil	5	5
Sand, fine to coarse, and gravel, very compact	20	25
Sand, fine to coarse, and gravel, with boulders	13	38
Refusal		at 38
Sp 6 th. 413743N720324.1. Federal Paper Board Co. Drilled 1962. Altitude 117 ft. Depth to water 2 ft. Log by Layne-New York Co., Inc., driller.		
Topsoil	3	3
Sand, fine to coarse, and gravel, compact	12	15
Sand, fine, brown, and some gravel.	17	32
Sand, fine to coarse, and traces of gravel	17	49
Refusal		at 49
Sp 7 th. 413742N720317.1. Federal Paper Board Co. Drilled 1962. Altitude 118 ft. Depth to water 1 ft. Log by Layne-New York Co., Inc., driller.		
Peat.	3	3
Sand, fine to coarse, and gravel	14	17
Sand, fine, brown	3	20
Sand, fine, and clay, gray	7	27
Sand, fine to coarse, and gravel, compact	28	55
Refusal		at 55
Sp 8 th. 413738N720317.1. Federal Paper Board Co. Drilled 1962. Altitude 116 ft. Depth to water 2 ft. Log by Layne-New York Co., Inc., driller.		
Topsoil.	2	2
Sand, fine to medium, brown, and some gravel and clay, loose	20	22
Sand, fine, gray-brown, and gravel	7	29
Sand, fine to medium, gray-brown, and gravel	15	44
Sand, fine, brown and rock (boulders?).	3	47
Refusal		at 47
Sp 9 th. 413757N720327.1. Federal Paper Board Co. Drilled 1962. Altitude 125 ft. Depth to water 4 ft. Log by Layne-New York Co., Inc., driller.		
Topsoil	1	1
Sand, fine, brown, and rock (boulders?), very compact	5	6
Sand, fine, brown, gravel, and clay, compact	18	24
Refusal		at 24
Sp 10 th. 413801N720328.1. Federal Paper Board Co. Drilled 1962. Altitude 127 ft. Depth to water 4 ft. Log by Layne-New York Co., Inc., driller.		
Sand, fine, brown, clay, and rock (boulders?)	23	23
Refusal		at 23
Sp 11 th. 413755N720318.1. Federal Paper Board Co. Drilled 1963. Altitude 150 ft. Depth to water 1 ft. Log by Layne-New York Co., Inc., driller.		
Sand, fine, brown, and gravel, compact	6	6
Sand, fine, brown, and gravel, loose	8	14
Sand, fine to medium, and gravel, medium-compact	14	28
Sand, fine to medium, brown, and gravel, compact	13	41
Sand, fine to medium, gray-brown, and gravel, very compact, (till?)	4	45
Sp 12 th. 413747N720325.1. Federal Paper Board Co. Drilled 1962. Altitude 121 ft. Depth to water 3 ft. Log by Layne-New York Co., Inc., driller.		
Sand, fine, brown	3	3
Sand, fine, brown, gravel and rock (boulders?), compact	21	24
Sand, fine to medium, brown, gravel and rock (boulders?), compact	10	34
Sand, fine to medium, brown, gravel, and rock (boulders?), very compact, (till?)	2	36
Refusal		at 36
Sp 13 th. 413548N720258.1. Conn. State Highway Department. Drilled 1938. Altitude 48 ft. Depth to water 0 ft.		
Water	4	4
Sand, fine, soft.	18	22
Sand, gravel, and boulders, hard.	19	41
Sand, fine, soft	4	45
Till(?); sand, gravel, cobbles, and boulders, hard	10	55
Sp 14 th. 413913N720602.1. U.S. Geol. Survey. Drilled 1965. Altitude 100 ft. Depth to water 11.3 ft.		
Sand, very fine to fine, silty, moderate yellowish-brown to orange	6	6
Gravel, with pebbles	5	11
Sand, medium, grading with depth to very fine to fine	39	50
Till, sandy and gravelly, angular pebbles, gray	6.5	56.5
Sp 15 th. 413910N720605.1. U.S. Geol. Survey. Altitude 108 ft. Depth to water 13 ft. Drilled 1965.		
Sand, very fine to fine, silty	9	9
Gravel	5	14
Sand, moderate to dark, yellowish-brown	36	50
Till (?), gravelly, compact	18.5	68.5
Refusal		at 68.5
Town of Stafford		
Stf 2 th. 415757N722041.1. U.S. Geol. Survey. Drilled 1963. Altitude 505 ft. Depth to water 2.2 ft.		
Swamp muck	5	5
Gravel.	3	8
Sand, very fine to fine, silty, olive-gray	12	20
Gravel, clayey and sandy, compact, light to moderate olive-brown	7	27
Sand, medium to coarse, dark yellowish-brown	2	29
Till, clayey, very compact, light olive-gray	2	31
Refusal		at 31
Stf 4 th. 415831N721854.1. U.S. Geol. Survey. Drilled 1963. Altitude 591 ft. Depth to water 2.1 ft.		
Gravel	1	1
Sand	6	7
Gravel, dark yellowish-orange	3	10
Refusal		at 10
Stf 6 th. 415810N721720.1. U.S. Geol. Survey. Drilled 1963. Altitude 590 ft. Depth to water 2.0 ft.		
Silt and clay, sandy	6.5	6.5
Sand, medium to coarse, pebbly, moderate to dark yellowish-brown	2.5	9
Sand, very fine to medium, yellowish-brown; sand, very fine to medium, olive-gray; sand, very fine, silty, dark gray; interbedded	25	34
Gravel	4	38
Sand, medium to coarse, dark yellowish-orange to light brown	1.5	39.5
Refusal		at 39.5
Stf 12 th. 415710N721814.1. Conn. State Highway Department. Drilled 1949. Altitude 473 ft.		
Fill	10	10
Sand, fine to medium, and decayed matter	2	12
Gravel, with cobbles	13	25
Till; soft rock or hardpan.	3	28
Bedrock	7	35
Stf 13 th. 415934N721919.1. Stafford Industrial Foundation. Drilled 1961. Altitude 565 ft. Depth to water 4 ft. Log by Goodkind and O'Dea, driller.		
Sand, fine to coarse, brownish, some medium to fine gravel, little silt.	5	5
Sand, fine to coarse, grayish, and fine to coarse gravel	5	10
Sand, fine to coarse, grayish, some fine to coarse gravel	11	21
Till; sand, fine, grayish, little fine to coarse gravel, and silt	3	24
Bedrock	5	29
Stf 14 th. 415929N721922.1. Stafford Industrial Foundation. Drilled 1962. Altitude 560 ft. Depth to water 2 ft. Log by Layne-New York Co., Inc., driller.		
Sand, fine to medium, and hardpan (compact gravel).	15	15
Sand, medium, and trace of gravel and silt.	5	20
Stf 15 th. 415926N721923.1. Stafford Industrial Foundation. Drilled 1962. Altitude 560 ft. Depth to water 2 ft. Log by Layne-New York Co., Inc., driller.		
Sand, fine, and trace of clay	15	15
Sand, fine to medium, and some gravel	5	20
Till (?); sand, fine to medium, hardpan, and some gravel.	5	25
Stf 16 th. 415947N721909.1. U.S. Soil Conservation Service. Drilled 1962. Altitude 570 ft. Depth to water 3 ft.		
Topsoil; sand, silty, brown	2	2
Gravel; sand, clay, and rock fragments	3	5
Sand and gravel, with cobbles	8	13
Till, with boulders	9	22
Bedrock; gneiss	6	28

	Thickness (feet)	Depth (feet)
Town of Stafford--Continued		
Stf 17 th. 415946N721910.1. U.S. Soil Conservation Service. Drilled 1962. Altitude 565 ft. Depth to water 1 ft.		
Topsoil; sand, fine, silty	2	2
Sand and gravel	2	4
Sand, gravel, and brown clay	6	10
Boulders	1	11
Till and boulders	16	27
Bedrock; gneiss	3	30
Stf 18 th. 415946N721919.1. U.S. Soil Conservation Service. Drilled 1962. Altitude 565 ft. Depth to water 0 ft.		
Muck, black	2	2
Sand, clayey, gravel, and rock fragments	4	6
Sand, gray, gravel, and silt	9	15
Sand, brown, and gravel	5	20
Sand, brown and gray, and rock fragments	3	23
Bedrock; granite and gneiss	7	30
Stf 23 th. 415944N721948.1. U.S. Soil Conservation Service. Drilled 1962. Altitude 575 ft. Depth to water 0 ft.		
Muck	2	2
Muck and sand	2	4
Till	10	14
Bedrock; gneiss	5	19
Stf 24 th. 415946N721945.1. U.S. Soil Conservation Service. Drilled 1962. Altitude 580 ft. Depth to water 2 ft.		
Topsoil; sand and gravel	2	2
Sand and gravel	4	6
Cobbles	6	8
Bedrock; gneiss	9	17
Town of Tolland		
To 1 th. 415537N721827.1. Conn. State Highway Department. Drilled 1953. Altitude 426 ft. Depth to water 4 ft.		
Sand, medium, brown	3	3
Sand and gravel, with cobbles and silt	15	18
Bedrock	8	26
To 2 th. 415151N722141.1. Conn. State Highway Department. Drilled 1954. Altitude 535 ft. Depth to water 9 ft.		
Gravel	1	1
Sand, fine, and silt	14	15
Sand, fine, and silt, with layers of gravel	12	27
Sand, fine to medium, and silt, with layers of coarse sand and medium gravel	13	40
Bedrock	7	47
To 3 th. 415150N722140.1. Conn. State Highway Department. Drilled 1954. Altitude 533 ft. Depth to water 6 ft.		
Gravel, with cobbles	8	8
Sand, fine, and silt, light brown	22	30
Sand, fine, to medium gravel, silt and clay, light-brown	15	45
Till; gravel, sand, silt, clay, and cobbles, gray	24	69
To 4 th. 415159N722123.1. Conn. State Highway Department. Drilled 1951. Altitude 528 ft. Depth to water 0 ft.		
Mud	4	4
Sand, fine to medium, and silt, gray	39	43
Till; hardpan	4	47
Bedrock	4	51
To 5 th. 415138N722211.1. Conn. State Highway Department. Drilled 1952. Altitude 537 ft. Depth to water 12 ft.		
Sand, fine, silt, and few pebbles	4	4
Sand, fine to coarse, silt, and rock fragments	11	15
Sand, medium, and silt, gray	6	21
Sand, fine and silt, brown	4	25
Gravel, sand, silt, few cobbles and boulders (till?)	9	34
Bedrock	5	39
To 6 th. 415135N722211.1. Conn. State Highway Department. Drilled 1952. Altitude 534 ft. Depth to water 8 ft.		
Gravel fill	8	8
Muck and silt, black	2	10
Sand, fine, and silt, gray	9	19
Sand and gravel	3	22
Boulder	4	26
Gravel, shale, sand, and silt (till?)	8	34
Bedrock	6	40
Town of Willington		
Wg 1 th. 415325N721812.1. Conn. State Highway Department. Drilled 1952. Altitude 371 ft. Depth to water 0 ft.		
Muck	1	1
Sand and silt	1	2
Gravel, sand, silt, with cobbles	6	8
Till; gravel, sand, silt, cobbles, and stiff clay	5	13
Bedrock	12	25
Wg 2 th. 415348N721727.1. Conn. State Highway Department. Drilled 1952. Altitude 416 ft. Depth to water 30 ft.		
Gravel, with cobbles	23	23
Sand clay	2	25
Gravel, with cobbles	15	40
Wg 3 th. 415357N721717.1. Conn. State Highway Department. Drilled 1952. Altitude 416 ft.		
Loam	2	2
Sand, brown, and gravel with cobbles, stratified	14	16
Gravel, with cobbles and boulders (till?)	27	43
Bedrock	6	49
Town of Windham		
Wil 1 th. 414205N721018.1. U.S. Geol. Survey. Drilled 1963. Altitude 210 ft. Depth to water 5± ft. Drilled in floor of sand and gravel pit.		
Gravel	3	3
Sand, fine to medium	7	10
Sand, fine, micaceous	55	65
Till, gravelly	1	66
Refusal		at 66
Wil 2 th. 414155N721005.1. U.S. Geol. Survey. Drilled 1963. Altitude 220 ft. Depth to water 21.9 ft.		
Topsoil	2	2
Gravel, with pebbles and cobbles	14	16
Sand, coarse, pebbly	26	42
Sand, medium, grading with depth to very fine to fine	40	82
Till (?), gravelly	4	86
Refusal		at 86
Wil 3 th. 414119N721012.2. U.S. Geol. Survey. Drilled 1963. Altitude 155 ft. Depth to water 22.6 ft. Drilled in floor of sand and gravel pit.		
Sand, fine	2	2
Sand, fine to medium, moderate yellowish-brown	45	47
Sand, medium to coarse, moderate yellowish-brown	15	62
Sand, pebbly, compact	29	91
Till, gravelly, dark greenish-gray	4	95
Refusal		at 95
Wil 4 th. 414055N720953.1. U.S. Geol. Survey. Drilled 1963. Altitude 175 ft. Depth to water 25± ft. Drilled in floor of sand and gravel pit.		
Gravel	6	6
Sand, medium, micaceous, and pebble gravel, grayish-olive	36	42
Sand, medium, moderate olive-brown	28	70
Gravel	4	74
Till	4	78
Refusal		at 78
Wil 6 th. 414220N721105.1. U.S. Geol. Survey. Drilled 1963. Altitude 155 ft. Depth to water 10.3 ft. Drilled in floor of sand and gravel pit.		
Sand, fine to medium	22	22
Sand, medium to coarse, micaceous	30	52
Sand, fine to medium, micaceous	38	90
Till, clayey	3	93
Refusal		at 93
Wil 8 th. 414239N721010.1. U.S. Geol. Survey. Drilled 1963. Altitude 250 ft. Depth to water 20.1 ft.		
Gravel	11	11
Sand, medium, oxidized	26	37
Sand, medium, oxidized, grading with depth to sand, very fine, silty, olive-gray	65	102
Sand, medium, moderate to dark yellowish-brown	13	115
Till, compact, gray	8	123
Wil 9 th. 414254N721123.1. U.S. Geol. Survey. Drilled 1963. Altitude 155 ft. Depth to water 7± ft.		
Sand, very fine to fine, moderate yellowish-brown	7	7
Gravel, moderate to dark yellowish-brown	4	11
Sand, very fine to fine, silty, dark greenish-gray	116	127
Wil 10a th. 414315N721141.2. U.S. Geol. Survey. Drilled 1963. Altitude 163 ft. Depth to water 9.4 ft. C.		
Topsoil, organic, black	3	3
Gravel, with fine to coarse pebbles	14	17
Sand, very fine to fine, becoming silty with depth, olive-gray	109	126
Silt, clayey, moderate olive-brown to grayish-olive, (till?)	1	127
Wil 11 th. 414423N721107.1. U.S. Geol. Survey. Drilled 1963. Altitude 200 ft. Depth to water more than 18 ft. Drilled in floor of sand and gravel pit.		
Sand, very fine to fine, well sorted, dusky-yellow	8	8
Till, sandy, gravelly, light olive-gray	28	36
Refusal		at 36
Wil 12 th. 414347N721129.1. U.S. Geol. Survey. Drilled 1963. Altitude 190 ft. Depth to water 30.7 ft. Drilled in floor of sand and gravel pit.		
Sand, medium, light to dark olive-brown	17	17
Sand, very fine to fine, dark olive-brown	112	129
Sand and gravel	4	133
Refusal		at 133
Wil 13 th. 414410N721057.1. U.S. Geol. Survey. Drilled 1963. Altitude 240 ft. Depth to water 5.1 ft.		
Gravel, with pebbles, dark yellowish-orange to moderate yellowish-brown	9	9
Sand, fine to coarse, silty, pebbly, moderate olive-brown	7	16
Refusal		at 16
Wil 14 th. 414441N721009.1. U.S. Geol. Survey. Drilled 1963. Altitude 255 ft. Depth to water 20.8 ft. C.		
Sand, very fine to fine, dark yellowish-orange	3	3
Gravel	2	5
Sand, medium, dusky-yellow	14	19
Sand, fine, dusky-yellow	6	25
Sand, medium, moderate yellowish-brown	27	52
Gravel (till?)	1	53
Refusal		at 53
Wil 15a th. 414155N721015.2. U.S. Geol. Survey. Drilled 1963. Altitude 225 ft. Depth to water 30± ft.		
Topsoil	3	3
Sand and gravel, stratified	15	18
Sand, very fine to fine, grading with depth to silty very fine sand, grayish-olive to light olive-gray	84	102
Wil 16 th. 414237N721019.1. U.S. Geol. Survey. Drilled 1963. Altitude 247 ft. Depth to water 19.6 ft. C.		
Gravel, pebbles up to 2 in.	6	6
Sand, fine to medium, dusky-yellow	12	18
Sand, very fine to fine, micaceous, dark yellowish-brown to moderate olive-brown	36	54
Till, clayey and gravelly, medium-gray	7	61
Refusal		at 61
Wil 17 th. 414237N721120.1. U.S. Geol. Survey. Drilled 1963. Altitude 148 ft. Depth to water 9.7 ft. C.		
Sand, very fine, and silt, clayey, olive-black and dark yellowish-orange	7	7
Gravel, moderate yellowish-brown	3	10
Sand, very fine, fine, and silty very fine, moderate olive-brown and light olive-gray	122	132
Wil 19 th. 414006N720900.1. U.S. Geol. Survey. Drilled 1963. Altitude 135 ft. Depth to water 3.7 ft.		
Topsoil	2	2
Sand, very fine to medium, micaceous, moderate yellowish-brown	4	
Gravel, fine, moderate to dark yellowish-brown	5	11
Sand, medium to very coarse, dark yellowish-brown	37	50
Sand, fine, grading with depth to very fine	20	70
Gravel (till?)	2	72
Refusal		at 72

	Thickness (feet)	Depth (feet)
Town of Windham--Continued		
22 th. 414304N721016.1. U.S. Geol. Survey. Drilled 1963. Altitude 243 ft. Depth to water 5.8 ft. Drilled in floor of sand and gravel pit.		
Gravel fill	4	4
Gravel, with pebbles, moderate to dark yellowish-brown	5	9
Sand and gravel, moderate to dark yellowish-brown	7	16
Sand, very fine to fine, micaceous, light to moderate olive-brown	23	39
Till (?), sandy and gravelly, light olive-gray	3.5	42.5
Till, clayey and gravelly, light olive-gray	0.5	43
Refusal		at 43
Wil 23 th. 414306N721110.1. U.S. Geol. Survey. Drilled 1963. Altitude 200 ft. Depth to water 17.7 ft. Drilled in floor of sand and gravel pit.		
Sand, medium to coarse, pebbly, dusky-yellow	16	16
Sand, very fine to fine	2	18
Till, sandy and gravelly, light olive-gray	11	29
Refusal		at 29
Wil 24 th. 414308N721106.1. U.S. Geol. Survey. Drilled 1963. Altitude 210 ft. Depth to water 7.8 ft. Drilled in floor of sand and gravel pit.		
Sand and gravel, oxidized, moderate yellowish-brown to light-brown	5	5
Sand, very fine to coarse, grayish-olive	13	18
Till, clayey and silty, very compact, greenish-gray	5	23
Refusal		at 23
Wil 25 th. 414259N721415.1. Conn. State Highway Department. Drilled 1937. Altitude 253 ft. Depth to water 5± ft.		
Loam	2	2
Sand and gravel, brown	9	11
Sand, brown	2	13
Till(?); gravel, hard	6	19
Bedrock	3	22
Wil 26 th. 414301N721420.1. Conn. State Highway Department. Drilled 1937. Altitude 252 ft. Depth to water 15± ft.		
Gravel	25	25
Sand	7	32
Bedrock	4	36
Wil 27 th. 414301N721429.1. Conn. State Highway Department. Drilled 1937. Altitude 252 ft. Depth to water 14± ft.		
Gravel fill	14	14
Fill and mud	6	20
Sand and clay, brown	21	41
Sand, fine, brown	28	69
Wil 28 th. 414259N721422.1. Conn. State Highway Department. Drilled 1937. Altitude 253 ft. Depth to water 15± ft.		
Gravel fill	14	14
Sand, fine, some gravel and brown clay	11	25
Gravel and boulders	15	40
Sand, fine, brown clay, some gravel	13	53
Gravel and some brown sand	9	62
Bedrock	4	66
Wil 31 th. 414313N721427.1. Jones and Laughlin Steel Corporation. Drilled 1955. Altitude 254 ft. Depth to water 10± ft. Log by Pennsylvania Drilling Co., driller.		
Topsoil, sandy, loose, dark	2	2
Sand and gravel, medium-compact	3	5
Gravel, coarse, some sand, compact	2	7
Sand, coarse, and gravel, medium-compact	13	20
Wil 32 th. 414316N721430.1. Jones and Laughlin Steel Corporation. Drilled 1955. Altitude 254 ft. Depth to water more than 20 ft. Log by Pennsylvania Drilling Co., driller.		
Sand and gravel, medium-compact	6	6
Gravel, coarse, some sand, compact	3.5	9.5
Sand, brown, little gravel, medium-compact	10.5	20
I 33 th. 414314N721429.1. Jones and Laughlin Steel Corporation. Drilled 1955. Altitude 252 ft. Depth to water 12 ft. Log by Pennsylvania Drilling Co., driller.		
Sand, fine, and gravel	7	7
Sand and gravel, medium-compact	6	13
Sand, brown, loose	17	30
Sand, fine, medium-compact	6	36
Sand, coarse, and little gravel, dense	5	41
Wil 34 th. 414518N721058.1. U.S. Corps of Engineers. Drilled 1939. Altitude 233 ft. Dry.		
Topsoil	1	1
Sand, fine to medium	3	4
Till; gravel, poorly sorted, with rock fragments, loose	11	15
Bedrock	36	51
Wil 35 th. 414518N721053.1. U.S. Corps of Engineers. Drilled 1944. Altitude 201 ft. Dry.		
Silt, very loose	5	5
Sand, fine to medium	3	8
Gravel, medium-compact	2	10
Bedrock	26	36
Wil 36 th. 414517N721050.1. U.S. Corps of Engineers. Drilled 1944. Altitude 209 ft. Depth to water 10 ft.		
Topsoil, peaty	1	1
Gravel, loose	19	20
Bedrock	31	51
Wil 37 th. 414509N721053.1. U.S. Corps of Engineers. Drilled 1944. Altitude 254 ft. Depth to water 65 ft.		
Topsoil	0.5	0.5
Gravel, loose	2.5	3
Sand, medium to coarse, loose	3	6
Gravel, loose	8	14
Sand, fine to medium, loose	12	26
Sand, medium to coarse, loose	8	34
Gravel, medium-compact	7	41
Sand, fine to medium, loose	7	48
Gravel, with boulders	24	72
Sand, fine to medium, very compact	9	81
Bedrock	10	91
Wil 38 th. 414503N721048.1. U.S. Corps of Engineers. Drilled 1944. Altitude 224 ft. Depth to water 30 ft.		
Gravel, loose	38	38
Gravel, medium-compact	6	44
Gravel, very compact	27	71
Till; gravel, with boulders	8	79
Bedrock (boulder?)	1.5	80.5
Wil 39 th. 414501N721045.1. U.S. Corps of Engineers. Drilled 1944. Altitude 257 ft. Depth to water 63 ft.		
Gravel, loose	21	21
Sand, fine to medium, loose	5	26
Gravel, loose	5	31
Sand, medium to coarse, loose to medium-compact	35	66
Gravel, medium-compact	9	75
Sand, medium to coarse, loose	2	77
Sand, fine, loose	19	96
Till; gravel, medium-compact	10	106
Bedrock	5	111
Wil 40 th. 414459N721043.1. U.S. Corps of Engineers. Drilled 1944. Altitude 214 ft. Depth to water 17 ft.		
Gravel, loose	26	26
Sand, medium to coarse, medium-compact	10	36
Gravel, medium-compact	7	43
Sand, medium	5	48
Silt to fine sand, medium-compact	4	52
Bedrock	7	59
Wil 41 th. 414456N721038.1. U.S. Corps of Engineers. Drilled 1944. Altitude 254 ft. Depth to water 55 ft.		
Gravel, loose to medium-compact	45	45
Sand, fine to medium, medium-compact	9	54
Sand, medium, medium-compact	6	60
Sand, fine	11	71
Gravel, medium-compact	7	78
Sand, medium to coarse, compact	2	80
Silt to fine sand	4	84
Till; gravel, poorly sorted, compact	13	97
Bedrock	4	101
Wil 42 th. 414456N721031.1. U.S. Corps of Engineers. Drilled 1943. Altitude 236 ft. Depth to water 32 ft.		
Gravel, medium-compact	2	2
Sand, fine to medium, medium-compact	12	14
Sand, medium	12	26
Sand, fine to medium	49	75
Till; gravel, poorly sorted, medium-compact	7	82
Bedrock	5	87
Wil 43 th. 414459N721026.1. U.S. Corps of Engineers. Drilled 1944. Altitude 208 ft. Depth to water 0 ft.		
Sand, medium, loose	32	32
Gravel, compact to medium-compact	10	42
Sand, medium to coarse, loose	5	47
Sand, fine to medium, loose	10	57
Sand, fine, silty, very compact	4	61
Gravel, medium-compact	7	68
Wil 44 th. 414453N721024.1. U.S. Corps of Engineers. Drilled 1943. Altitude 237 ft. Depth to water 32 ft.		
Gravel, medium-compact	24	24
Sand, fine, compact	5	29
Sand, medium to coarse	47	76
Gravel, compact	3	79
Sand, medium to coarse	3	82
Sand, fine, compact	5	87
Bedrock	5	92
Wil 45 th. 414453N721016.1. U.S. Corps of Engineers. Drilled 1944. Altitude 215 ft. Depth to water 9± ft.		
Gravel, loose	5	5
Sand, fine to medium	5	10
Gravel, medium-compact	6	16
Sand, medium to coarse, loose to medium-compact	27	43
Sand, medium, loose	4	47
Sand, fine to medium, loose	26	73
Gravel, medium-compact	7	80
Bedrock	5	85
Wil 46 th. 414453N721008.1. U.S. Corps of Engineers. Drilled 1944. Altitude 214 ft. Depth to water 4 ft.		
Topsoil	2	2
Gravel, loose	36	38
Silt to fine sand, medium-compact	4	42
Till; gravel	3	45
Wil 47 th. 414454N721002.1. U.S. Corps of Engineers. Drilled 1944. Altitude 213 ft. Depth to water 1 ft.		
Peat	7	7
Sand, medium to coarse, loose	9	16
Gravel, loose	11	27
Sand, medium to coarse, loose	6	33
Till; gravel, compact	10	43
Wil 48 th. 414453N720957.1. U.S. Corps of Engineers. Drilled 1944. Altitude 233 ft. Depth to water 11 ft.		
Topsoil	1	1
Gravel, loose	4	5
Sand, fine to medium, loose	12	17
Gravel, loose	5	22
Sand, medium to coarse, loose	17	39
Sand, fine to medium, loose	5	44
Till; gravel, with boulders, medium-compact	6	50
Bedrock	4	54
Wil 49 th. 414448N721021.1. U.S. Corps of Engineers. Drilled 1944. Altitude 237 ft. Depth to water 17 ft.		
Topsoil	1	1
Gravel	32	33
Sand, fine to medium, loose	4	37
Sand, medium to coarse, loose	8	45
Silt	2	47
Gravel	3	50
Wil 50 th. 414452N720945.1. U.S. Corps of Engineers. Drilled 1944. Altitude 252 ft. Depth to water 7 ft.		
Peat	7	7
Gravel, loose	4	11
Till; gravel, compact	13	24
Bedrock	5	29
Wil 51 th. 414515N721056.1. U.S. Corps of Engineers. Drilled 1944. Altitude 229 ft. Dry.		
Gravel, medium-compact to very compact	16	16
Till; gravel, poorly sorted, very compact	7	23
Bedrock	6	29
Wil 52 th. 414452N721029.1. U.S. Corps of Engineers. Drilled 1944. Altitude 237 ft. Depth to water 32± ft.		
Gravel, medium-compact	7	7
Sand, medium, loose	3	10
Gravel, loose	16	26
Sand, medium, medium-compact	6	32
Gravel, medium-compact	6	38
Sand, fine to medium, medium-compact	2	40
Wil 53 th. 414451N721004.1. U.S. Corps of Engineers. Drilled 1944. Altitude 214 ft. Depth to water 1 ft.		
Gravel, loose	41	41
Wil 54 th. 414453N720955.1. U.S. Corps of Engineers. Drilled 1944. Altitude 254 ft. Depth to water 31 ft.		
Gravel, loose to medium-compact	14	14
Sand, medium to coarse, loose	9	23
Gravel, loose	16	39
Sand, medium, loose	16	55
Till; gravel, poorly sorted, medium-compact	10	65
Bedrock	4	69

Table 3.--Logs of test holes--Continued

Town of Windham--Continued

	Thickness (feet)	Depth (feet)
WI 55 th. 414341N721007.1. U.S. Geol. Survey. Drilled 1965. Altitude 240 ft. Drilled in floor of sand and gravel pit.		
Sand, coarse,and pebble gravel, yellowish-brown	30	30
Till, sandy and gravelly, gray	10	40
Refusal		at 40
WI 56 th. 414147N720827.1. U.S. Geol. Survey. Drilled 1965. Altitude 240 ft. Depth to water 0 ft.		
Sand and gravel	17	17
Till (?), gravelly	2	19
Refusal		at 19
WI 57 th. 413955N720852.1. U.S. Geol. Survey. Drilled 1965. Altitude 145 ft. Depth to water 10.8 ft.		
Sand, very fine to fine, silty	8	8
Sand, pebbly	7	15
Sand, medium to very coarse.	5	20
Sand, fine, grading with depth to very fine, micaceous, light olive-gray.	48	68
Sand, fine to medium, light olive-gray	7	75
Sand, medium to coarse, pebbly, oxidized.	8	83
Till, silty and gravelly, compact, brownish		at 83
Refusal		at 83

Table 4.--Laboratory analyses of sediment samples

Sampling: Undisturbed samples (nos. 1-12, 20) were collected in brass cylinders, several inches long and 1 to 2 inches in diameter, inserted horizontally into an exposed section. Disturbed samples (nos. 13-19) were cuttings from auger borings.

Analyses: All analyses were made by the U.S. Geological Survey.
Particle-size distribution: Determined by hydrometer and sieve analyses, except for samples 14 and 19, which had sieve analysis only.

Specific yield: Calculated from porosity and specific retention, which were determined by the standard pycnometer method and centrifuge-moisture-equivalent method, respectively (Johnson, 1963).

Coefficient of permeability: Determined with a constant-head permeameter.

Sample descriptions: Based on classification described by Pettijohn (1957, p.27), using the Wentworth grade scale.

Uniformity coefficient: Calculated from the results of particle-size analyses. It is defined as "the quotient of (1) the diameter of a grain that is just too large to pass through a sieve that allows 60 percent of the material, by weight, to pass through, divided by (2) the diameter of a grain that is just too large to pass through a sieve that allows 10 percent of the material, by weight, to pass through" (Meinzer, 1923, p.46).

Sample number	Sample description	Median grain size (mm)	Particle-size distribution (percent)					Uniformity coefficient (C_u)	Specific yield (percent)	Coefficient of permeability (gpd per sq ft)
			Clay and silt (<.0625mm)	Very fine sand and fine sand (.0625-.25mm)	Medium sand (.25-0.5mm)	Coarse sand and very coarse sand (0.5-2.0mm)	Gravel (>2.0mm)			
1	Sand	0.135	3.8	90.2	5.8	0.2	0	1.5	42.5	240
2	Gravelly sand	1.20	0.4	3.3	14.2	46.2	35.9	4.6	37.2	2,800
3	Gravelly silty sand (till)	0.26	18.5	30.6	17.6	14.6	18.7	10.9	--	--
4	Gravelly sand	1.65	0.5	2.2	7.2	47.2	42.9	4.4	30.4	1,200
5	Silty sand	0.07	40.0	59.8	0.2	0	0	2.5	40.3	60
6	Sand	0.24	0.8	58.2	40.0	1.0	0	1.9	41.7	150
7	Sand	0.14	10.0	76.0	13.2	0.8	0	2.7	--	--
8	Sand	0.26	3.0	42.8	43.1	11.0	0.1	2.6	41.9	700
9	Sand	0.50	0.4	9.0	39.3	49.4	1.9	2.1	47.3	3,200
10	Silty sand	0.11	18.2	77.6	4.2	0	0	2.6	40.6	140
11	Silty sand	0.125	15.2	79.2	5.6	0	0	3.6	40.6	150
12	Sand	0.255	1.2	39.6	57.6	1.6	0	1.6	40.7	640
13	Sand	0.50	8.2	24.5	26.0	34.7	6.6	6.7	--	--
14	Sand	0.265	4.9	41.6	33.5	18.5	1.5	3.4	--	--
15	Sandy silt	0.048	70.2	29.0	0.6	0.2	0	3.7	--	--
16	Silty sand	0.068	45.6	53.4	1.0	0	0	3.5	--	--
17	Sand	0.22	7.2	49.9	33.6	8.8	0.5	3.6	--	--
18	Sand	0.31	6.0	33.1	31.8	22.1	7.0	4.1	--	--
19	Gravelly sand	1.1	1.3	3.2	16.9	45.2	33.4	4.7	--	--
20	Sand	0.32	0.8	31.9	51.9	15.2	0.2	2.5	46.3	1,600

Table 5.--Record of pumping test, Mansfield State Training School

Time of pumping: 24 hours (0630 EST, 7/23/64 to 0630 EST, 7/24/64)

Pumping well: Ms 25
Average pumping rate: 418 gpm
Maximum drawdown in pumping well: 9 feet

Observation wells:
Ms 25a, 210 ft from pumping well
Ms 25b, 140 ft from pumping well

Water-level measurements:
Ms 25, air line
Ms 25a, recorder and steel tape
Ms 25b, steel tape

See table 1 for data on physical characteristics of wells Ms 25, 25a, 25b, and table 2 for logs of wells Ms 25 and Ms 25b.

Time (minutes)			Depth to water level below land surface (feet)		Measured drawdown (feet)		Measured recovery (feet)
Before pumping started	Since pumping started	Since pumping stopped	Ms 25a	Ms 25b	Ms 25a	Ms 25b	Ms 25b
50			8.16				
32			8.17				
18				4.08			
15			8.15				
9				4.07			
3				4.07			
2			8.13				
0	0		8.13	4.07	0	0	
	0.5				0	0.13	
	1.0				0	.24	
	1.5				0.01	.34	
	2.0				.02	.39	
	3				.02	.47	
	4				.02	.52	
	5				.02	.56	
	6				.02	.60	
	7				.02		
	8				.02	.66	
	10				.01	.70	
	12				.01	.76	
	15				.02	.80	
	20				.03	.86	
	25				.03	.92	
	30				.03	.98	
	35				.02		
	40				.02	1.06	
	50				.04	1.16	
	60				.04	1.23	
	75				.03	1.34	
	90				.04	1.44	
	105				.05	1.52	
	120				.05	1.58	
	150				.07	1.71	
	180				.08	1.82	
	195				.09		
	210				.10	1.92	
	240				.12	1.99	
	270				.14	2.07	
	300				.17	2.16	
	330				.18	2.21	
	360				.19	2.28	
	420				.24	2.38	
	480				.28	2.47	
	540				.33	2.55	
	600				.38	2.62	
	660				.42	2.68	
	720				.44	2.73	
	780				.48	2.78	
	840				.49	2.83	
	960				.61	2.91	
	1080				.67	2.97	
	1200				.73	3.04	
	1320				.80	3.08	
	1440	0			.87	3.12	0
		0.83					0.19
		1.83					.21
		2.33					.24
		3.33					.26
		4.33					.29
		5.33					.31
		6.33					.32
		8.33					.35
		10.33					.37
		12.33					.40
		15.33					.43
		20.33					.47
		25.33					.51
		30					.57
		40					.63
		50					.70
		60					.78
		75					.88
		90					.98
		105					1.07
		120					1.16
		150					1.31
		180					1.46
		210					1.595
		240					1.73

Table 6.--Streamflow records at partial-record gaging stations

(The streamflow determinations listed in this table were made during periods when streamflow was derived primarily from ground-water discharge)

		Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)
1191.5	Middle River, at bridge on State Highway 32, 1.3 miles north of Ellithorpe, Conn. Lat 42°00'54", long 72°19'04" Drainage area, 6.66 sq mi.	5-29-62	5.8	4-25-63	11.5	8-15-63	0.47	5-26-64	*3.74
		7-19-62	1.6	5- 8-63	1.5	8-30-63	.30	5-27-64	3.7
		9-12-62	*.30	5-27-63	5.8	10-2-63	3.3	6-12-64	2.1
		10-1-62	41	6-18-63	6.4	4-17-64	30	6-26-64	.96
		10-30-62	3.7	7- 2-63	7.7	4-22-64	*24.1	7-13-64	.49
		11-8-62	*4.34	7-11-63	*4.32	4-29-64	14	7-28-64	.27
		11-30-62	5.2	7-17-63	8.2	5-13-64	6.2	8-10-64	.18
		3-22-63	*18.6	8- 2-63	.72	5-18-64	*7.48	9- 8-64	*.01
		4- 1-63	48						
1192	Middle River, at bridge on Orcuttville Road, at Orcutts, Conn. Lat 41°58'35", long 72°19'30" Drainage area, 12.3 sq mi.	7-19-62	2.1	4- 1-63	90	8-15-63	1.0	6-12-64	3.3
		9-12-62	*.81	4-25-63	18	8-30-63	1.1	6-26-64	1.1
		10-30-62	3.7	5- 8-63	4.2	10-2-63	5.6	7-13-64	.7
		11-8-62	*8.08	5-27-63	6.9	4-17-64	68	7-28-64	.7
		11-30-62	6.3	6-18-63	7.0	4-22-64	*40.9	8-10-64	.5
		1- 7-63	4.0	7- 2-63	6.9	4-29-64	19	8-29-64	.4
		2-27-63	5.1	7-17-63	4.2	5-13-64	7.5	9- 8-64	*.14
		3-22-63	*34.8	8- 2-63	1.2	5-27-64	3.6	9-11-64	.04
1192.2	Crystal Lake Brook, at bridge on Conklin Road, 1 mile north of Crystal Lake, Conn. Lat 41°56'42", long 72°22'25" Drainage area, 2.80 sq mi.	5-29-62	2.9	11-30-62	1.7	5- 8-63	3.4	7-17-63	.53
		7-19-62	1.6	2-27-63	2.4	5-27-63	3.0	7-24-63	*.57
		9-12-62	*1.71	3-22-63	*6.77	6-18-63	3.0	4-17-64	12
		10-1-62	1.8	4- 1-63	12	6-20-63	2.1	4-22-64	*8.04
		10-30-62	1.3	4-25-63	4.6	7- 2-63	1.4	4-29-64	4.2
		11-8-62	*1.14						
1192.3	Edson Brook, at bridge on State Highway 190, at West Stafford, Conn. Lat 41°58'12", long 72°21'22" Drainage area, 11.8 sq mi.	5-29-62	10	4-25-63	16	8- 2-63	2.0	6-12-64	3.1
		7-19-62	3.6	5- 8-63	*13.5	8-15-63	2.2	6-26-64	2.2
		9-12-62	*3.01	5-27-63	10	8-30-63	2.0	7-13-64	2.0
		10-1-62	5.5	6-18-63	8.4	10-2-63	3.5	7-28-64	1.0
		10-30-62	5.7	6-20-63	5.8	4-17-64	65	8-10-64	.73
		11-8-62	*6.14	7- 2-63	4.2	4-22-64	*41.9	8-29-64	1.0
		11-30-62	8.2	7-11-63	*3.85	4-29-64	19	9- 8-64	*.73
		3-22-63	*28.3	7-17-63	4.8	5-13-64	7.2	9-11-64	1.3
		4- 1-63	54	7-24-63	*3.36	5-27-64	3.4		
1192.55	Delphi Brook, at bridge on State Highway 19, 2.1 miles northeast of Staffordville, Conn. Lat 42°01'23", long 72°14'53" Drainage area, 2.48 sq mi.	8- 7-62	*.39	6-18-63	3.7	3-31-64	*7.76	6-26-64	1.0
		9-12-62	*.30	7- 2-63	2.7	4-17-64	13	7-13-64	.58
		10-1-62	1.5	7-17-63	7.7	4-22-64	12	7-21-64	*.40
		11-8-62	*2.93	8- 2-63	1.0	4-29-64	8.5	7-28-64	.20
		11-30-62	4.3	8-15-63	.77	4-30-64	7.2	8-10-64	.17
		3-22-63	*5.37	8-30-63	.64	5-15-64	4.9	8-26-64	.18
		4- 1-63	13	10-2-63	.80	5-26-64	3.2	8-29-64	.16
		4-25-63	5.9	10-3-63	.70	5-27-64	3.4	9-11-64	.28
		5- 8-63	3.7	11-14-63	*1.41	6-12-64	2.2	9-21-64	*.19
		5-27-63	4.6	12-11-63	*4.30				
1192.9	Bonemill Brook, at culvert on Plains Road, 2.0 miles south of Stafford Springs, Conn. Lat 41°55'27", long 72°18'29" Drainage area, 2.50 sq mi.	6-27-63	*1.01	8-30-63	.28	5-18-64	*2.29	7-21-64	*.28
		7- 2-63	.89	9-10-63	*.12	5-27-64	1.1	7-28-64	.31
		7-17-63	.57	10-2-63	.52	6-12-64	1.0	8-10-64	.19
		7-24-63	*.47	4-29-64	1.0	6-26-64	.82	8-29-64	.51
		8- 2-63	.40	5-13-64	2.3	7-13-64	.61	9-11-64	.51
		8-15-63	.28						
1193	Roaring Brook, at abandoned bridge beside Bradway Road, 1.7 miles east of Staffordville, Conn. Lat 41°51'05", long 72°13'48" Drainage area, 5.47 sq mi.	9- 9-60	.54	7-13-62	*2.31	8- 6-63	*1.16	4-17-64	28
		10-6-60	*3.01	8- 8-62	*.95	8-21-63	*1.24	4-29-64	11
		1- 9-61	6.8	10-1-62	1.8	8-30-63	1.35	4-30-64	10
		2-28-61	40	10-8-62	7.0	10-2-63	2.3	5-13-64	6.3
		4- 7-61	15	10-30-62	2.0	10-3-63	1.8	5-26-64	2.9
		5- 2-61	15	11-5-62	6.8	11-14-63	*2.62	5-27-64	2.0
		6- 7-61	6.2	11-30-62	9.4	12-2-63	4.6	6-12-64	2.0
		6-21-61	3.2	12-5-62	8.4	12-11-63	*9.59	6-26-64	1.5
		7-20-61	*5.33	12-12-62	9.4	1- 6-64	3.4	7-13-64	1.6
		8- 3-61	2.7	4-23-63	*7.65	1-27-64	*39.2	7-21-64	*.71
		1-18-62	15	4-25-63	8.2	1-27-64	*42.6	8-26-64	.60
		3-20-62	*18.4	5-27-63	4.9	1-31-64	18	9-11-64	.72
		4-16-62	13	7-22-63	2.0	4- 1-64	*15.0	9-21-64	.30
		5-31-62	2.4	8- 2-63	1.5				
1193.6	Conat Brook, at bridge on Sharps Hill Road, 0.5 mile southeast of West Willington, Conn. Lat 41°52'17", long 72°17'31" Drainage area, 2.21 sq mi.	6-20-63	*1.79	10-2-63	.50	4-21-64	9.4	7-13-64	1.05
		7- 2-63	1.35	10-10-63	.41	4-29-64	5.6	7-28-64	.54
		7-17-63	1.0	11-12-63	2.2	5- 5-64	4.8	8- 4-64	*.47
		7-18-63	*.90	11-15-63	*1.11	5-13-64	3.6	8-10-64	.45
		8- 2-63	.90	12-19-63	2.1	5-27-64	1.9	8-28-64	.62
		8-15-63	.70	1-30-64	6.1	6- 4-64	1.7	8-29-64	.62
		8-30-63	.54	4- 1-64	*5.19	6-12-64	1.8	9-11-64	.54
		9- 5-63	*.43	4-17-64	9.4	6-26-64	1.5	9-23-64	.38
		9-16-63	*.41						
1194	Cedar Swamp Brook, at bridge on State Highway 32, one mile east of Mansfield Depot, Conn. Lat 41°47'41", long 72°17'20" Drainage area, 4.92 sq mi.	5-29-62	4.3	4-25-63	6.8	8-30-63	.21	6-12-64	1.8
		8-14-62	*1.35	5-27-63	3.1	10-2-63	2.3	6-26-64	.56
		9-20-62	*.52	6-18-63	3.9	4-17-64	26	7-13-64	.83
		10-10-62	6.8	6-20-63	2.0	4-23-64	*17.2	7-28-64	.19
		10-29-62	3.1	7- 2-63	1.3	4-29-64	9.0	8-10-64	.10
		11-13-62	*9.26	7-17-63	1.0	5-13-64	4.2	8-13-64	*.96
		12-3-62	5.0	7-24-63	*.82	5-22-64	*3.62	8-29-64	.45
		3-21-63	*12.7	8- 2-63	.73	5-27-64	1.4	9-11-64	.15
		4- 3-63	*15.6	8-15-63	.21				
1195.5	Bolton Pond Brook, at bridge on U.S. Highway 44A, at Quarryville, Conn. Lat 41°47'51", long 72°25'30" Drainage area, 3.96 sq mi.	5-31-62	.06	4-17-63	2.7	5-28-63	1.3	4-24-64	*12.2
		8-13-62	*.04	4-25-63	5.4	5-31-63	*3.82	4-29-64	5.8
		12-3-62	.15	4-26-63	*4.30	6-18-63	4.5	5-13-64	.8
		2-28-63	2.4	5-13-63	*3.91	4-17-64	16	5-21-64	*2.46
		4- 1-63	16						
1196	Ash Brook, at bridge on Brewster Street, 2 miles southwest of North Coventry, Conn. Lat 41°46'07", long 72°23'58" Drainage area, 2.73 sq mi.	9-22-60	2.2	6- 5-61	.77	11-1-61	.60	4- 2-62	*15.2
		10-4-60	*.35	7- 5-61	.24	12-5-61	2.2	4-13-62	5.5
		1-10-61	5.2	7-19-61	*.24	2-12-62	4.0	5-27-62	.37
		2-28-61	*11.8	8- 2-61	.30	3- 7-62	1.7	5-29-62	.27
		5- 2-61	8.4	9- 5-61	.10	3-20-62	*16.5	7-31-62	.01

* Streamflow measurement

Table 6.--Streamflow records at partial-record gaging stations--Continued

		Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)
1196.5	Hop River, at bridge on Times Farm Road, 2.2 miles northwest of Andover, Conn. Lat 41°45'38", long 72°23'55" Drainage area, 12.1 sq mi.	6- 1-62	5.1	5-31-63	*8.74	8-29-63	0.07	5-27-64	2.9
		8-23-62	*.91	6-18-63	9.0	9-18-63	*.41	6-12-64	1.3
		10-9-62	15	7- 2-63	2.4	10-2-63	.90	6-26-64	.50
		10-29-62	3.5	7-16-63	1.8	4-17-64	54	7-28-64	.25
		12-3-62	5.7	7-24-63	*1.48	4-24-64	*31.4	8-10-64	.20
		4-25-63	12	8- 1-63	.80	4-29-64	17	8-13-64	*.38
		5-13-63	12	8- 8-63	*.42	5-13-64	5.8	8-29-64	.30
		5-28-63	5.2	8-15-63	.14	5-21-64	*8.59	9-11-64	1.9
1197	Skungamaug River, at bridge on State Highway 15, 0.8 mile southeast of Tolland, Conn. Lat 41°51'58", long 72°21'24" Drainage area, 7.98 sq mi.	8- 7-62	*.57	5-27-63	8.2	8-30-63	.62	5-27-64	3.0
		9-24-62	*.83	6-14-63	*7.91	9-19-63	*.58	6-12-64	4.1
		10-10-62	6.3	6-18-63	12	10-2-63	1.2	6-26-64	5.3
		11-14-62	*8.42	7- 2-63	3.6	4-17-64	36	7- 1-64	*.77
		12-4-62	6.2	7-17-63	2.0	4-29-64	16	7-28-64	.41
		3-21-63	*25.4	8- 2-63	1.6	5- 5-64	*10.8	8-10-64	.17
		4-26-63	12	8- 8-63	*2.92	5-13-64	7.5	8-29-64	.70
		5-10-63	8.2	8-15-63	1.7	5-18-64	*7.50	9-11-64	.36
1198	Skungamaug River, at bridge below Metcalf Brook, 2 miles northwest of North Coventry, Conn. Lat 41°49'27", long 72°21'01" Drainage area, 18.0 sq mi.	10-4-60	*7.54	10-17-62	*5.26	6-18-63	23	11-18-63	26
		7-19-61	*11.6	11-8-62	8.5	7- 2-63	7.5	12-3-63	26
		10-19-61	15	12-4-62	11	7-17-63	4.7	12-12-63	28
		3- 7-62	18	12-5-62	11	8- 2-63	2.6	2- 4-64	23
		3-20-62	*83.7	2-25-63	12	8- 8-63	*1.86	4-17-64	110
		4-20-62	31	3-20-63	*99.0	8-15-63	3.8	4-21-64	70
		5-28-62	10	4-25-63	26	8-30-63	2.0	4-29-64	27
		8-14-62	*3.20	5-27-63	15	9-18-63	*1.35	5- 8-64	*23.5
		8-29-62	4.8	6-14-63	*15.9	10-16-63	2.3	5-13-64	32
		10-10-62	14						
1198.5	Skungamaug River, at bridge on Woodbridge Road, 2.3 miles north of Andover, Conn. Lat 41°46'15", long 72°22'27" Drainage area, 27.6 sq mi.	5-29-62	15	5-13-63	34	8-15-63	5.0	5-27-64	12
		8-13-62	*4.83	5-28-63	23	8-29-63	1.9	5-28-64	*9.64
		9-18-62	*2.28	6-14-63	25	9-18-63	*2.78	6-12-64	11
		10-9-62	26	6-18-63	36	10-1-63	8.0	6-26-64	8.4
		10-29-62	16	7- 2-63	11	4-17-64	130	7-28-64	1.5
		11-14-62	*36.5	7-16-63	6.9	4-24-64	*92.3	8-10-64	1.1
		12-3-62	22	8- 1-63	3.7	4-29-64	54	8-13-64	*4.11
		4-25-63	41	8- 9-63	*2.35	5-13-64	25		
1199	Burnap Brook, at bridge on U.S. Highway 6, 1.4 miles northwest of Andover, Conn. Lat 41°44'53", long 72°23'38" Drainage area, 6.82 sq mi.	8-13-62	*.29	5-28-63	3.6	8-23-63	*.03	5-21-64	*5.24
		9-18-62	*.04	6-18-63	4.4	8-29-63	.03	5-27-64	.58
		10-9-62	5.7	6-24-63	1.5	9-18-63	*.06	6-12-64	.52
		10-29-62	1.4	6-25-63	*1.23	10-2-63	1.4	6-26-64	.10
		11-14-62	*7.28	7- 2-63	.62	4-17-64	15	7-28-64	.02
		12-3-62	5.2	7-16-63	*.62	4-24-64	*20.6	8-10-64	.01
		4- 3-63	*22.1	8- 1-63	.10	4-29-64	10	8-29-64	.09
		4-25-63	6.6	8-15-63	.04	5-13-64	3.8	9-11-64	.04
		5-13-63	6.0						
1199.3	Andover Lake Brook, at bridge on Andover Lake Road, 0.9 mile southeast of Andover, Conn. Lat 41°43'41", long 72°21'32" Drainage area, 4.00 sq mi.	5-29-62	2.6	1-31-63	4.2	6-18-63	4.5	5-22-64	*2.64
		8-13-62	*.09	2-27-63	4.0	7- 2-63	2.1	5-27-64	.73
		10-2-62	1.9	3-20-63	*21.4	7-16-63	.90	6-12-64	.34
		10-9-62	4.4	4- 1-63	15	8- 1-63	.72	6-26-64	.34
		10-29-62	4.0	4-25-63	4.2	4-17-64	20	7-28-64	.28
		11-14-62	*9.01	5-13-63	3.8	4-29-64	7.6	8-10-64	.13
		12-3-62	4.4	5-28-63	3.5	5-13-64	.45	9-16-64	*.10
		1- 8-63	2.6						
1199.6	Columbia Lake Brook, at bridge on U.S. Highway 6, 2.1 miles northwest of Columbia, Conn. Lat 41°43'43", long 72°19'18" Drainage area, 3.65 sq mi.	5-29-62	2.0	11-15-62	*18.8	7- 2-63	2.0	4-29-64	2.5
		8-13-62	*.22	12-3-62	1.6	7-17-63	*.30	5-13-64	1.2
		9-18-62	*.18	3-20-63	*17.6	7-24-63	*.43	5-22-64	*.82
		10-2-62	.54	4-25-63	2.0	8- 1-63	.18	5-27-64	.48
		10-9-62	22	5-13-63	1.8	4-17-64	3.7	6-12-64	.20
		10-29-62	20	6-18-63	7.0				
1202	Tenmile River, at bridge on Kingsley Road, 2 miles west of Willimantic, Conn. Lat 41°42'25", long 72°14'52" Drainage area, 16.5 sq mi.	5-31-62	3.2	5-28-63	6.2	8-15-63	.87	5-27-64	3.6
		8-13-62	*2.01	6-18-63	8.8	8-29-63	.21	6-12-64	2.9
		9-18-62	*.87	6-20-63	*6.82	9-16-63	*.71	6-26-64	1.6
		10-9-62	11	7- 2-63	2.6	10-1-63	4.3	7-28-64	.48
		10-29-62	7.5	7-16-63	1.7	4-17-64	81	8-10-64	.18
		11-15-62	*17.4	7-17-63	*1.66	4-29-64	30	8-29-64	1.6
		12-3-62	13	7-29-63	*1.03	5-13-64	10	9-10-64	*.48
		4-25-63	14	8- 1-63	*1.17	5-22-64	*11.0	9-11-64	.48
		5-13-63	12	8- 9-63	*.60				
1204	Still River, at bridge on Kenyonville Road, at Kenyonville, Conn. Lat 41°55'42", long 72°05'07" Drainage area, 7.74 sq mi.	5-31-62	1.3	4- 1-63	50	8-13-63	*.07	6-12-64	.17
		7- 6-62	*.50	4-25-63	10	8-15-63	.07	6-26-64	2.9
		8- 9-62	*.16	5-10-63	.8	8-30-63	.28	7-13-64	.50
		9-17-62	*.24	5-27-63	4.1	9-11-63	*.45	7-28-64	.10
		10-1-62	3.3	6- 3-63	*3.56	4-17-64	68	8-10-64	.04
		10-30-62	6.0	6-18-63	9.8	4-23-64	*25.4	8-29-64	.10
		11-15-62	*15.9	7- 2-63	8.1	4-29-64	13	9-11-64	.10
		11-30-62	11	7-17-63	2.3	5-13-64	4.5	9-14-64	*.13
		3-22-63	*23.9	8- 2-63	.11				
1204.5	Bungee Brook, at bridge on Barlow Cemetery Road, 1.1 miles southeast of Kenyonville, Conn. Lat 41°55'17", long 72°03'49" Drainage area, 7.36 sq mi.	5-31-62	2.3	5-27-63	4.3	8-12-63	*1.41	5-27-64	2.5
		7- 6-62	*.90	6- 3-63	*2.57	8-15-63	1.8	6-12-64	1.9
		8- 9-62	*1.06	6-18-63	4.5	8-30-63	.86	6-26-64	3.1
		9-17-62	*.74	7- 2-63	2.4	9-11-63	*.53	7-13-64	1.4
		10-10-62	28	7-11-63	2.1	10-2-63	1.7	7-28-64	.43
		11-15-62	*22.5	7-16-63	*1.27	4-17-64	74	8-10-64	.34
		11-30-62	8.4	7-17-63	1.7	4-23-64	*31.4	8-29-64	2.1
		3-22-63	*23.3	7-25-63	*1.61	4-29-64	16	9-11-64	1.1
		4-25-63	8.8	8- 2-63	1.3	5-13-64	6.2	9-14-64	*.61
		5-10-63	10						
1206	Still River, at bridge on U.S. Highway 44A, at Phoenixville, Conn. Lat 41°52'08", long 72°05'08" Drainage area, 30.9 sq mi.	7-16-62	*5.50	5- 2-63	*78.1	8-15-63	5.5	6-12-64	10
		8- 9-62	*2.61	5-10-63	24	8-30-63	2.2	6-26-64	10
		9-17-62	1.9	5-27-63	22	9-11-63	*1.50	7-13-64	5.0
		9-25-62	*2.57	6- 3-63	*16.4	10-2-63	4.7	7-28-64	2.2
		10-10-62	100	6-18-63	31	4-17-64	220	8-10-64	1.4
		10-29-62	34	7- 2-63	16	4-21-64	*132	8-29-64	2.8
		11-15-62	*68.1	7- 7-63	13	4-29-64	58	9-11-64	2.5
		12-3-62	56	7-17-63	7.1	5-13-64	22	9-14-64	*2.19
		4-25-63	43	8- 2-63	3.5	5-27-64	9.4		

* Streamflow measurement

Table 6.--Streamflow records at partial-record gaging stations--Continued

		Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)
1206.5	Bigelow Brook, at bridge on State Highway 198, 1.3 miles east of Union, Conn. Lat 41°59'31", long 72°07'58" Drainage area, 1.16 sq mi.	5-31-62	0.55	4- 1-63	11	7-25-63	*0.18	4-29-64	2.4
		7-20-62	*.03	4-25-63	2.8	8- 2-63	.06	5-13-64	1.2
		8- 8-62	*0	5- 9-63	1.4	8- 5-63	*.20	5-27-64	.35
		9-12-62	*0	5-24-63	*1.80	8-15-63	.08	6-12-64	.32
		10- 1-62	.20	5-27-63	1.1	9-12-63	*0	6-26-64	.28
		10-30-62	.35	6-18-63	1.8	10-2-63	.71	7-13-64	.20
		11-16-62	*1.50	7- 2-63	1.3	4-17-64	9.3	8-29-64	*0
		11-30-62	.84	7-16-63	*.45	4-23-64	*6.78	9-14-64	*.10
		3-22-63	*2.62	7-17-63	1.1				
1206.8	Bigelow Brook, at bridge on Chism Road, 1.9 miles east of Westford, Conn. Lat 41°55'07", long 72°08'22" Drainage area, 12.0 sq mi.	5-31-62	11	5-24-63	*16.1	8-30-63	1.1	6-15-64	*2.21
		7- 6-62	*1.38	5-27-63	12	9-12-63	*.41	6-26-64	3.4
		8- 8-62	*.96	6-18-63	13	10-2-63	5.2	7-13-64	1.9
		9-17-62	*.58	7- 2-63	8.8	4-17-64	62	7-28-64	.37
		10-29-62	12	7-16-63	*3.76	4-27-64	*31.1	8-10-64	.17
		11-16-62	*13.6	7-17-63	5.0	4-29-64	26	8-29-64	2.1
		12-4-62	17	7-25-63	*3.70	5-13-64	12	9-11-64	.25
		4-25-63	23	8- 2-63	2.2	5-27-64	3.5	9-15-64	*.37
		5-10-63	15	8-15-63	2.3	6-12-64	3.4		
1207	Bigelow Brook, at bridge on U.S. Highway 44, 3/4 mile west of Phoenixville, Conn. Lat 41°52'45", long 72°06'01" Drainage area, 21.2 sq mi.	10-6-60	*7.33	12-3-62	24	8- 2-63	1.3	5-27-64	2.7
		8-18-61	*1.72	4-25-63	32	8-15-63	2.5	6-12-64	2.6
		3-27-62	*102	5-10-63	27	8-30-63	.8	6-26-64	7.2
		5-31-62	13	5-24-63	*24.2	9-12-63	*.62	7-13-64	2.2
		7-16-62	*3.87	5-27-63	23	10-2-63	5.2	7-28-64	.4
		8- 9-62	*1.41	6-18-63	14	4-17-64	140	8-10-64	.2
		9-17-62	1.1	7- 2-63	13	4-21-64	*99.1	8-29-64	.7
		10-10-62	27	7-16-63	*4.73	4-29-64	28	9-11-64	.4
		10-29-62	15	7-17-63	7.6	5-13-64	8.0	9-14-64	*1.04
		11-16-62	*26.6	7-25-63	*4.75				
1207.5	Natchaug River, at bridge in Natchaug Forest, 2½ miles south of Phoenixville, Conn. Lat 41°50'28", long 72°05'32" Drainage area, 58.4 sq mi.	8- 9-62	*4.71	4-25-63	84	8-19-63	*9.20	6-12-64	19
		9-17-62	4.0	5-13-63	68	8-30-63	3.4	6-26-64	18
		9-25-62	*3.88	5-27-63	*45.3	9-24-63	*3.61	7-13-64	8.4
		10-10-62	136	6-18-63	50	10-2-63	15	7-28-64	3.3
		10-29-62	53	7- 2-63	27	4-17-64	430	8-10-64	1.3
		11-16-62	*94.4	7-17-63	12	4-27-64	*135	8-29-64	3.6
		12-3-62	90	8- 2-63	7.0	4-29-64	110	9-11-64	2.1
		4- 3-63	*310	8-15-63	10	5-13-64	44	9-15-64	*3.24
1208	Natchaug River, at bridge on North Bear Hill Road, ½ mile northeast of Chaplin, Conn. Lat 41°48'03", long 72°07'07" Drainage area, 65.8 sq mi.	5-31-62	30	4- 3-63	*380	8-15-62	13	6-12-64	*20.4
		7-16-62	*13.7	4-25-63	96	8-30-63	3.6	6-26-64	25
		8- 9-62	*6.32	5-13-63	76	9-25-63	*4.43	7-13-64	11
		9-17-62	5.0	5-27-63	*52.3	10-2-63	17	7-28-64	3.8
		9-20-62	*7.41	6-18-63	57	4-17-64	480	8-10-64	2.1
		10-10-62	140	7- 2-63	34	4-27-64	*160	8-29-64	4.5
		10-29-62	60	7-17-63	15	4-29-64	125	9-11-64	2.6
		11-19-62	*107	8- 2-63	8.3	5-13-64	60	9-15-64	*3.93
		12-3-62	94						
1208.5	Natchaug River, at bridge on Bedlam Road, at North Windham, Conn. Lat 41°45'10", long 72°09'19" Drainage area, 81.2 sq mi.	5-31-62	46	4- 3-63	*381	8-15-63	15	5-27-64	35
		8- 9-62	*10.6	4-25-63	127	8-30-63	4.3	6-12-64	31
		9-17-62	7.3	5-13-63	100	9-25-63	*5.48	6-26-64	29
		9-20-62	*10.8	5-27-63	*68.3	10-2-63	24	7-13-64	17
		10-10-62	160	6-18-63	75	4-17-64	500	7-28-64	7.0
		10-29-62	62	7- 2-63	41	4-27-64	*191	8-10-64	4.4
		11-19-62	*126	7-17-63	21	4-29-64	155	9-11-64	4.6
		12-3-62	107	8- 2-63	13	5-13-64	76	9-15-64	*5.25
1209.2	Mount Hope River, at bridge on State Highway 89, ¼ mile west of Westford, Conn. Lat 41°55'12", long 72°10'47" Drainage area, 3.03 sq mi.	8- 8-62	*.37	6- 6-63	*1.67	10-2-63	.09	6-26-64	.50
		9-17-62	*.08	6-18-63	1.7	4-17-64	14.5	7- 1-64	*.26
		10-29-62	1.8	7- 2-63	.90	4-27-64	*6.82	7-13-64	.30
		11-19-62	*3.46	7-17-63	.60	4-29-64	5.6	7-28-64	.21
		12-4-62	3.0	8- 2-63	.37	5-13-64	2.0	8-10-64	.12
		3-29-63	*26.6	8- 7-63	*.29	5-27-64	.90	8-29-64	.20
		4-25-63	3.2	8-15-63	.42	6-12-64	.63	9-11-64	.22
		5-10-63	2.2	8-30-63	.08	6-15-64	*.50	9-15-64	*.19
		5-27-63	1.8	9-12-63	*.08				
1209.4	Knowlton Brook, at bridge on U.S. Highway 44A, 0.6 mile southwest of West Ashford, Conn. Lat 41°52'04", long 72°12'12" Drainage area, 5.92 sq mi.	5-31-62	3.0	4-26-63	8.2	8- 7-63	*.37	5-27-64	2.1
		7- 6-62	*1.32	5-10-63	4.7	8-15-63	.28	6-12-64	1.8
		8- 8-62	*.53	5-27-63	4.2	8-23-63	*.20	6-26-64	1.05
		9-17-62	*.10	6- 6-63	*3.43	8-30-63	.19	7-13-64	.60
		10-10-62	5.0	6-18-63	2.9	9-12-63	*.07	7-28-64	.13
		10-29-62	4.2	6-27-63	*1.14	10-2-63	.95	8-10-64	.07
		11-19-62	*5.48	7- 2-63	2.0	4-17-64	31	8-13-64	*.99
		12-3-62	5.0	7-11-63	*2.46	4-21-64	*24.9	8-29-64	.42
		3-21-63	*20.4	7-17-63	1.15	4-29-64	11	9-11-64	.07
		3-29-63	*35.6	8- 2-63	.85	5-13-64	5.0		
1211	Mount Hope River, at bridge on Juniper Lane, 0.8 mile north of Atwoodville, Conn. Lat 41°47'48", long 72°10'18" Drainage area, 34.8 sq mi.	7- 9-62	*6.87	4-25-63	50	8-15-63	3.3	6-12-64	13
		8-14-62	*7.06	5-13-63	40	8-30-63	3.0	6-26-64	8.2
		9-17-62	2.0	5-27-63	25	9-12-63	*1.18	7-13-64	5.0
		9-20-62	*3.33	6- 6-63	*24.6	10-2-63	7.0	7-28-64	1.9
		10-10-62	30	6-18-63	20	4-17-64	185	8-10-64	1.2
		10-29-62	19	7- 2-63	13	4-29-64	70	8-29-64	2.1
		11-20-62	*30.9	7-17-63	8.0	5-13-64	30	9-11-64	2.0
		12-4-62	26	8- 2-63	5.6	5-19-64	*27.3	9-17-64	*1.44
		3-29-63	*194	8- 7-63	*3.69	5-27-64	14		
1213	Fenton River, at bridge on U.S. Highway 44 at East Willington, Conn. Lat 41°52'20", long 72°14'31" Drainage area, 11.5 sq mi.	10-4-60	*4.57	3-21-63	*34.7	8-20-63	*1.60	5-27-64	5.4
		8-18-61	*1.28	4-26-63	14	8-30-63	.82	6- 4-64	3.6
		3-28-62	*34.9	5-10-63	11	9-26-63	*.62	6-12-64	5.9
		5- 7-62	*15.1	5-27-63	*10.7	10-2-63	2.7	6-26-64	4.8
		5-31-62	7.0	6-18-63	7.5	11-21-63	2.9	7-13-64	2.7
		6- 4-62	*5.93	7- 2-63	5.5	12-3-63	10.5	7-28-64	.75
		8- 8-62	*.82	7- 3-63	7.0	1-30-64	37	8- 4-64	*.75
		9-17-62	.30	7-16-63	*2.98	4-17-64	52	8-28-64	1.3
		10-10-62	8.6	7-17-63	2.8	4-21-64	45	8-29-64	1.1
		10-29-62	5.5	7-25-63	*2.30	4-29-64	24	9-11-64	.90
		11-20-62	*8.07	8- 2-63	1.6	5- 5-64	16.5	9-23-64	*.40
		12-4-62	7.2	8-15-63	1.2	5-13-64	11.5		

* Streamflow measurement

Table 6.--Streamflow records at partial-record gaging stations--Continued

		Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)
1213.5	Fenton River, at bridge on Gurleyville Road, ¼ mile west of Gurleyville, Conn. Lat 41°48'52", long 72°13'33" Drainage area, 23.0 sq mi.	5-31-62	14	4-25-63	35	8-30-63	0.42	5-27-64	6.2
		8-14-62	*3.50	5-13-63	29	9-10-63	*.25	6-12-64	*9.39
		9-17-62	2.4	5-27-63	*18.2	9-23-63	*1.40	6-26-64	6.4
		9-20-62	*3.94	6-18-63	17	9-27-63	*.50	7-13-64	3.1
		10-10-62	16	7- 2-63	11	10-2-63	5.1	7-28-64	.21
		10-29-62	10	7-17-63	5.8	4-17-64	107	8-10-64	.07
		11-20-62	*16.9	8- 2-63	2.6	4-23-64	*93.9	8-29-64	.82
		12-4-62	15	8-15-63	2.6	4-29-64	50	9-11-64	.21
		3-29-63	*144	8-20-63	*4.01	5-13-64	16	9-16-64	*.47
1226	Obwebetuck Brook, at bridge on South Windham Road, 1 mile northwest of South Windham, Conn. Lat 41°41'29", long 72°10'58" Drainage area, 2.79 sq mi.	6- 1-62	.83	5-13-63	2.2	8-15-63	.04	6-12-64	*.30
		7- 9-62	*.07	5-27-63	1.5	8-21-63	*.07	6-26-64	.09
		8-15-62	*.09	6-18-63	1.1	8-30-63	.06	7-13-64	.26
		9-18-62	*.16	6-25-63	*.38	10-2-63	.39	7-28-64	.02
		10-9-62	1.8	7- 2-63	.39	4-17-64	14	8-10-64	.01
		11-20-62	*2.93	7-12-63	*.27	4-29-64	5.8	8-29-64	.15
		12-3-62	2.4	7-17-63	.19	5-13-64	*1.91	9-10-64	*.04
		4- 3-63	*7.25	8- 1-63	*.05	5-27-64	.64	9-11-64	.02
		4-25-63	2.9						
1266.5	Frog Brook, at bridge on Jerusalem Road, 2 miles east of South Windham, Conn. Lat 41°40'19", long 72°08'00" Drainage area, 3.94 sq mi.	7- 5-62	*1.44	5-27-63	4.2	8-30-63	2.0	6-26-64	1.8
		8-15-62	*2.82	6-18-63	3.6	10-2-63	1.1	7-13-64	1.8
		9-19-62	*.82	7- 2-63	2.1	4-17-64	22	7-15-64	*1.52
		10-9-62	2.6	7-11-63	*1.96	4-29-64	8.2	7-28-64	1.0
		11-21-62	*2.27	7-17-63	1.7	5-13-64	5.5	8-10-64	.66
		12-3-62	5.3	8- 1-63	*1.12	5-19-64	*5.35	8-29-64	1.0
		4- 3-63	*8.87	8- 2-63	1.8	5-27-64	4.2	9-10-64	*.74
		4-25-63	4.9	8-15-63	.94	6-12-64	*2.25	9-11-64	.82
		5-13-63	5.0						
1226.8	Merrick Brook, by Brook Road, 2.1 miles north of Scotland, Conn. Lat 41°43'44", long 72°05'08" Drainage area, 5.04 sq mi.	2-20-64	7.2	4-29-64	9.0	6-12-64	1.2	8- 3-64	.24
		3-17-64	10	5- 4-64	*6.87	6-26-64	.82	8-28-64	.30
		4-13-64	*10.7	5-13-64	4.6	7- 7-64	*.36	8-29-64	.29
		4-17-64	25	5-27-64	2.2	7-13-64	.62	9-11-64	.29
		4-20-64	22	6-10-64	*1.73	7-28-64	.25	9-25-64	*.11
1226.9	Merrick Brook, at bridge on Brooklyn Road, 2.2 miles north of Scotland, Conn. Lat 41°43'21", long 72°05'13" Drainage area, 5.76 sq mi.	6- 5-62	*1.89	12-3-62	6.0	7- 2-63	1.4	9-16-63	*.27
		8-15-62	*.67	3-20-63	*22.4	7-17-63	.74	9-23-63	*.49
		9-19-62	*.45	3-21-63	*16.9	7-26-63	*.53	10-2-63	.92
		10-1-62	13.5	4-26-63	8.0	8- 2-63	.63	10-15-63	1.4
		10-10-62	4.9	5- 3-63	*15.3	8-15-63	.49	11-27-63	2.4
		10-25-62	*1.61	5-24-63	*15.7	8-30-63	.19	12-3-63	5.7
		11-8-62	4.7	5-27-63	3.4	9- 4-63	*.12	1- 4-64	3.6
		11-26-62	5.3	6-18-63	1.7				
1227	Merrick Brook, at bridge on Kasecek Road, 1.5 miles north of Scotland, Conn. Lat 41°43'08", long 72°05'13" Drainage area, 6.39 sq mi.	9- 8-60	.3	5- 2-61	20	8- 2-61	2.8	1-19-62	27
		10-4-60	*2.43	6- 7-61	15	9-28-61	1.7	3-21-62	*23.3
		2-28-61	34	7-10-61	2.9	11-1-61	2.0	4- 2-62	*60.0
		4- 4-61	2.4	7-19-61	*1.79	12-8-61	3.5	4-25-62	7.1
1227.5	Beaver Brook, at bridge on State Highway 14, 1.5 miles northwest of Hanover, Conn. Lat 41°41'51", long 72°06'46" Drainage area, 7.11 sq mi.	8-15-62	*1.16	5-27-63	6.6	9-16-63	*.64	6-12-64	*2.12
		9-19-62	*.60	6-18-63	5.0	9-23-63	*.75	6-26-64	1.25
		10-10-62	7.2	7- 2-63	2.9	10-2-63	1.8	7-13-64	1.35
		11-21-62	*8.13	7-17-63	1.7	4-17-64	37	7-28-64	.47
		12-3-62	6.4	7-25-63	*1.15	4-29-64	13	8-10-64	.21
		4- 3-63	*21.3	8- 2-63	1.4	5-13-64	6.8	8-29-64	1.0
		4-25-63	9.4	8-15-63	.67	5-19-64	*5.75	9-11-64	.35
		5-13-63	8.0	8-30-63	.44	5-27-64	3.7	9-17-64	*.33
		5-24-63	*7.03						
1227.6	Merrick Brook, at bridge on Station Road, 2.7 miles northwest of Hanover, Conn. Lat 41°39'41", long 72°06'37" Drainage area, 19.8 sq mi.	6- 1-62	1.1	5-24-63	*18.0	8-15-63	2.4	6-12-64	*7.27
		7- 5-62	*4.13	5-27-63	17	8-30-63	2.6	6-26-64	4.9
		8-15-62	*3.88	6-18-63	14	9-16-63	*2.07	7-13-64	5.4
		9-19-62	*2.74	7- 2-63	8.2	10-2-63	5.6	7-15-64	*5.58
		10-9-62	25	7-17-63	*4.34	4-17-64	110	7-28-64	2.5
		11-21-62	*20.5	7-19-63	3.4	4-29-64	42	8-10-64	1.55
		12-3-62	18	7-25-63	*5.17	5-13-64	22	8-29-64	3.9
		4- 3-63	*56.8	8- 2-63	5.3	5-19-64	*19.4	9-10-64	*1.62
		4-25-63	31	8- 8-63	*2.62	5-27-64	12	9-11-64	1.8
		5-13-63	26						
1228	Beaver Brook, at bridge on LaCroix Road, 1.0 mile west of Baltic, Conn. Lat 41°37'07", long 72°06'16" Drainage area, 9.21 sq mi.	6- 1-62	4.6	5-16-63	*12.9	8-30-63	1.3	6-26-64	3.0
		7-20-62	*1.64	5-27-63	7.2	10-2-63	2.8	7-13-64	3.8
		8-15-62	*1.72	6-18-63	6.1	4-17-64	48	7-28-64	1.8
		9-19-62	*1.47	7- 2-63	2.9	4-29-64	24	8-10-64	1.3
		10-9-62	16	7-11-63	*2.62	5-13-64	*10.8	8-29-64	2.4
		12-3-62	9.9	7-17-63	2.4	5-27-64	5.9	9-10-64	*1.12
		4- 3-63	*19.5	8- 2-63	3.5	6-12-64	3.9	9-11-64	1.05
		4-26-63	9.8	8-15-63	1.7				
1228.5	Little River, at bridge on Bigelow Road, ½ mile east of Hampton, Conn. Lat 41°46'49", long 72°02'45" Drainage area, 7.71 sq mi.	7-16-62	*1.64	5-27-63	5.7	8-30-63	.66	6-12-64	2.5
		8-15-62	*1.71	6- 7-63	*5.21	9-18-63	*.72	6-26-64	1.6
		9-20-62	*.97	6-18-63	4.3	10-2-63	1.7	7-13-64	1.6
		10-10-62	13	7- 2-63	2.1	4-17-64	42	7-28-64	.94
		12-4-62	8.9	7-17-63	1.5	4-29-64	14	8-10-64	.52
		3-21-63	*22.6	8- 2-63	1.0	5-13-64	6.6	8-29-64	.82
		4-26-63	8.8	8- 9-63	*.66	5-19-64	*6.64	9-11-64	1.5
		5-13-63	8.0	8-15-63	.72	5-27-64	3.5	9-17-64	*.82

* Streamflow measurement

Table 6.--Streamflow records at partial-record gaging stations--Continued

		Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)	Date	Streamflow (cfs)
1229	Little River, at bridge on Brooklyn Turnpike, 2.8 miles south of Hampton, Conn. Lat 41°44'35", long 72°03'12" Drainage area, 17.4 sq mi.	7-20-62	*4.53	5-13-63	21	8-30-63	2.0	6-12-64	*6.00
		8-15-62	*4.84	5-27-63	16	9-19-63	*2.17	6-26-64	4.2
		9-19-62	*2.67	6- 7-63	*13.1	10-2-63	2.7	7-13-64	4.2
		10-10-62	28	6-18-63	10	4-17-64	76	7-28-64	2.7
		11-26-62	*34.3	7- 2-63	6.2	4-29-64	30	8-10-64	1.7
		12-3-62	25	7-17-63	4.9	5-13-64	16	8-29-64	2.3
		3-21-63	*55.8	8- 2-63	3.2	5-19-64	*15.7	9-11-64	2.7
		4-26-63	25	8-15-63	2.2	5-27-64	8.4	9-17-64	*2.16
1230.8	Blissville Brook, at bridge on Ice House Road, 1 mile southeast of Taftville, Conn. Lat 41°34'13", long 72°02'03" Drainage area, 3.39 sq mi.	7-20-62	*.22	5-27-63	4.0	4-17-64	19	6-26-64	.32
		10-9-62	6.0	6-18-63	3.2	4-29-64	9.0	7-13-64	.82
		11-30-62	*6.05	7- 2-63	.95	5-13-64	*3.21	7-28-64	.46
		12-3-62	5.6	7-17-63	.89	5-27-64	1.5	8-10-64	.20
		4- 3-63	*8.97	8- 2-63	.51	6-12-64	.56	8-12-64	*.20
		4-26-63	4.0	8- 8-63	*.21				

* Streamflow measurement

Table 7.--Chemical analyses of precipitation samples collected at three Weather Bureau Stations

Date of collection	Amount of precipitation (inches)	Chemical analyses in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ Ca,Mg	Specific conductance (micromhos at 25°C)	pH
Site 1P - Rain gage on Grant Avenue, 0.2 miles northeast of Stafford Springs, Connecticut (U.S. Weather Bureau index no. 7946)											
6-21-63	0.79	3.8	--	0.1	0.4	5	4.7	0.9	5	20	6.3
6-28-63	.58	1.2	--	.5	.1	0	7.7	.1	--	17	4.10
7-3-63	.11	--	--	--	--	--	--	--	--	423	3.20
7-8-63	1.03	1.0	0.1	.3	.5	0	4.9	.0	3	46	4.10
7-8-63	.09	--	--	--	--	--	--	--	--	121	3.7
7-14, 15-63	.22	--	--	--	--	--	--	--	--	58	4.10
7-17-63	.17	--	--	--	--	--	--	--	--	156	3.60
7-20-63	.75	25	.4	.3	1.9	75	5.1	.2	64	132	7.3
7-30-63	.17	--	--	--	--	--	--	--	--	87	6.9
8-1-63	.05	--	--	--	--	--	--	--	--	67	4.40
8-4-63	.52	--	--	.4	.9	0	--	.3	--	40	4.20
8-8-63	.07	--	--	--	--	--	--	--	--	48	4.30
8-12,13-63	.48	--	--	.7	2.5	2	4.9	.3	--	35	4.8
8-18-24-63	.82	1.2	.2	.3	.7	0	5.5	.6	4	47	4.20
8-29,30-63	.12	--	--	--	--	--	--	--	--	15	3.60
9-13,14-63	.97	1.3	.2	.4	1.8	8	7.8	.2	4	37	6.7
9-21-63	.62	.4	.0	.1	.3	0	3.8	.5	1	30	4.40
9-29-63	1.65	.8	.2	.4	2.6	2	3.2	.3	2	19	5.1
11-7,8-63	1.95	.8	.0	.3	1.9	4	3.2	.6	2	21	5.3
Site 2P - Rain gage at the University of Connecticut Experiment Farm, 1.2 miles east of North Coventry, Connecticut (U.S. Weather Bureau index no. 1689)											
7-8-63	1.69	3.0	.1	.4	.5	3	5.1	.0	8	21	5.8
7-20-63	.76	4.1	.0	.3	.8	7	4.9	.0	10	25	6.1
7-30-63	.95	2.8	.1	.8	1.7	16	4.9	.0	8	45	6.2
8-20-63	.16	--	--	--	--	26	--	.0	--	82	6.4
9-13-63	1.20	2.8	.5	.4	1.2	12	6.8	1.2	9	44	7.0
9-17-63	.35	2.6	.1	.4	.5	5	3.6	.0	7	22	6.3
11-8,9-63	1.59	1.0	.0	.2	.1	3	.4	.0	3	7	6.1
11-30-63	1.74	.8	.0	.2	.2	2	.4	.4	2	2	5.7
12-9-63	1.02	3.0	.6	1.7	1.4	6	4.2	.0	10	32	6.3
1-21-64	1.80	17	1.3	.7	.3	15	33	.5	48	105	6.4
1-26-64	.64	3.6	.6	.5	.3	6	5.8	.0	12	22	5.9
Site 3P - Rain gage at Baltic Mills Company, 0.2 miles northeast of Baltic, Connecticut (U.S. Weather Bureau index no. 0251)											
7-5-63	.10	--	--	--	--	--	--	--	--	86	3.90
7-8-63	.35	1.2	--	.6	.5	0	12	.3	--	118	3.70
7-14-63	.25	2.6	--	1.0	.6	0	--	.2	--	33	4.50
7-19,20-63	.74	.8	.0	.3	.2	0	3.2	.3	2	26	4.40
7-30-63	1.03	.8	.2	.5	.0	0	2.4	.3	3	20	4.40
8-2-63	.20	--	--	--	--	--	--	--	--	30	4.30
8-11-63	.09	--	--	--	--	--	--	--	--	63	4.00
8-13-63	.27	--	--	1.1	.0	0	4.9	.8	--	34	4.30
8-18-63	.22	--	--	--	--	--	--	--	--	34	4.40
8-20-63	.12	--	--	--	--	--	--	--	--	14	5.4
8-24-63	.02	--	--	--	--	--	--	--	--	21	3.50
9-12,13-63	1.30	.8	.5	.6	.7	0	3.2	.8	4	22	4.50
9-20-63	.60	.8	.0	.6	.9	0	6.8	.5	2	51	4.15
9-29-63	1.43	.7	.0	.9	.1	0	3.8	1.0	2	29	4.50
11-1-63	.27	2.2	1.0	1.6	.5	0	10	2.4	8	86	4.00
11-11-63	.09	--	--	--	--	--	--	--	--	50	4.15
11-23-63	.59	1.0	.1	1.4	.2	2	1.8	2.7	3	15	5.6
11-30-63	.08	--	--	--	--	--	--	--	--	--	7.1
1-9-64	.32	2.0	2.7	10	.7	0	9.4	18	16	95	4.6

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs

Station number	Stream, lake or reservoir, and location	Date of collection	Instantaneous discharge (cfs)	Percent of average discharge (%)	Parts per million: Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$: Calcium, magnesium	Hardness as $CaCO_3$: Noncarbonate	Alkyl benzene sulfonate (ABS)	Turbidity	Specific conductance (micromhos at 25°C)	pH	Color	Water temperature (°F)
U.S. Public Health Service drinking-water standards			(recommended upper limit):		--	0.3	0.05	--	--	--	--	--	250	250	[a]/ 1.3	45	500	--	--	0.5	5	--	--	15	--
1191.5	Middle River near Ellithorpe	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 48	--	--	76
1192	Middle River near Orcutts	8-7-63	1.3	6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 44	--	--	76
	do	9-11-63	.41	1.9	--	.15	.08	3.8	1.1	4.3	0.4	12	6.4	5.0	--	.7	[c]/28	14	4	--	--	49	6.2	4	61
1192.1	Middle River near Stafford Springs	4-7-64	--	--	--	.12	.00	--	--	3.3	[e]/--	4	--	5.2	--	.5	--	12	9	.0	--	42	5.6	20	44
	do	7-9-64	--	--	--	.30	.10	--	--	4.9	[e]/--	14	--	6.0	--	2.3	--	16	5	.1	--	61	6.2	15	67
1192.19	Crystal Lake at Crystal Lake	9-11-63	--	--	--	.02	.01	3.1	.6	3.5	.6	6	7.6	4.3	--	.5	--	10	5	--	--	46	5.6	--	--
	do	5-20-64	--	--	1.9	.11	.00	4.2	1.0	3.9	.6	6	7.8	6.1	.1	.5	32	15	10	--	.4	52	6.3	2	--
1192.2	Crystal Lake Brook at Crystal Lake	8-7-63	.9	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 48	--	--	74
1192.22	Patten Brook near West Stafford	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 46	--	--	66
	do	9-11-63	--	--	--	.31	.16	5.6	1.0	3.1	1.0	13	10	3.6	--	.9	[c]/32	18	8	--	--	64	5.7	--	63
1192.31	Diamond Ledge Brook at West Stafford	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 44	--	--	67
1192.34	Edson Brook at West Stafford	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 58	--	--	68
	do	9-11-63	1.20	6.1	--	.92	.52	5.8	2.8	4.7	1.3	26	5.2	7.0	--	.4	[c]/40	26	5	--	--	70	6.4	30	69
	do	7-9-64	--	--	--	.79	.12	--	--	5.1	[e]/--	18	--	5.6	--	2.1	--	19	4	.1	--	64	6.7	20	--
1192.55	Delphi Brook near Staffordville	8-7-63	.8	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 60	--	--	65
	do	9-11-63	--	--	--	.08	.05	4.1	2.4	4.5	.7	17	5.8	8.6	--	.2	[c]/35	20	6	--	--	66	6.1	--	58
1192.6	Furnace Brook at Staffordville	8-7-63	1.04	6.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 90	--	--	76
	do	9-11-63	18.0	114	--	.14	.08	3.2	1.9	4.6	.7	13	6.8	6.8	--	.5	[c]/31	16	6	--	--	57	6.3	2	68
1192.7	Furnace Brook at Stafford	4-7-64	--	--	--	.21	.00	--	--	6.1	[e]/--	8	--	6.8	--	.8	--	15	9	.0	--	61	6.0	12	47
	do	7-9-64	--	--	--	.23	.05	--	--	4.8	[e]/--	16	--	6.4	--	2.3	--	18	5	.0	--	64	7.2	10	67
1192.8	Willimantic River at Stafford Springs	8-7-63	22.0	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/298	--	--	84
	do	9-11-63	34.0	36	5.1	.56	.07	4.0	1.4	17	1.5	63	2.8	7.0	.0	.5	82	16	0	--	2	155	6.7	37	72
	do (right bank)	7-9-64	12.6	14	--	.87	.14	--	--	16	[e]/--	42	--	12	--	19	--	36	12	.1	--	164	6.7	17	74
	do (left bank)	7-9-64	12.6	14	--	.87	.14	--	--	10	[e]/--	37	--	10	--	10	--	24	0	.1	--	120	6.6	20	72
1192.87	Willimantic River near Stafford Springs	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/131	--	--	80
	do	9-11-63	40	--	--	.30	.14	4.9	3.4	17	1.3	51	10	9.0	--	.5	[c]/71	26	0	--	--	133	7.0	25	74
	do	4-7-64	--	--	--	.26	.01	--	--	5.4	[e]/--	6	--	7.4	--	.8	--	15	10	.2	--	63	5.7	37	48
	do	7-9-64	--	--	--	.99	.12	--	--	12	[e]/--	37	--	13	--	15	--	25	0	.5	--	133	6.5	25	70
1192.9	Bonemill Brook near Stafford Springs	8-7-63	.33	7.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 43	--	--	79
1193.1	Reservoir No. 2 near Stafford Springs	8-21-63	--	--	4.4	.36	.08	3.3	2.4	2.1	.7	13	4.4	4.9	.0	.6	31	18	8	--	.5	42	6.2	17	66
1193.2	Roaring Brook near Stafford Springs	4-24-62	22	82	5.8	.14	.00	2.2	1.4	2.1	.5	10	6.8	2.8	.0	.3	29	12	4	--	.5	38	6.3	14	47
	do	8-7-63	3.3	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	[b]/ 43	--	--	72
	do	9-11-63	.7	2.6	--	.47	.11	3.2	1.9	2.9	.9	14	7.0	3.1	--	.7	[c]/27	16	5	--	--	46	6.4	19	63
	do	5-21-64	--	--	--	--	--	--	--	3.2	[e]/--	10	7.2	4.9	--	--	--	14	6	--	--	45	6.5	--	59
	do	6-10-64	--	--	--	--	--	--	--	--	--	9	--	4.2	--	--	--	13	--	--	--	42	6.3	--	72

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs (Cont.)

Station number	Stream, lake or reservoir, and location	Date of collection	Instantaneous discharge (cfs)	Percent of average discharge (%)	Parts per million: Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$: Calcium, magnesium	Hardness as $CaCO_3$: Noncarbonate	Alkyl benzene sulfonate (ABS)	Turbidity	Specific conductance (micromhos at 25°C)	pH	Color	Water temperature (°F)
U.S. Public Health Service drinking-water standards				(recommended upper limit):	--	0.3	0.05	--	--	--	--	--	250	250	a/1.3	45	500	--	--	0.5	5	--	--	15	--
1193.25	Roaring Brook near West Willington	6-10-64	--	--	--	--	--	--	--	--	--	10	--	4.5	--	--	--	12	--	--	--	43	6.4	--	72
1193.29	Ruby Brook Swamp near Stafford Springs	6-24-64	--	--	--	--	--	9.8	3.8	16	--	39	8.0	26	--	.3	--	40	8	--	--	160	6.7	--	71
1193.3	Ruby Brook near Stafford Springs	6-10-64	--	--	--	--	--	--	--	--	--	27	--	37	--	--	--	43	--	--	--	179	7.1	--	70
	do	6-24-64	--	--	--	--	--	13	5.0	17	e/--	34	4.4	43	--	.3	--	53	25	--	--	205	6.7	--	70
1193.35	Keene Brook near West Willington	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 45	--	--	69
	do	6-10-64	--	--	--	--	--	--	--	--	--	10	--	3.5	--	--	--	12	--	--	--	41	6.5	--	75
1193.38	Roaring Brook near West Willington	5-21-64	--	--	--	--	--	--	--	5.0	e/--	10	7.8	9.8	--	--	--	16	8	--	--	64	6.6	--	57
	do	6-10-64	--	--	--	--	--	--	--	--	--	1	--	9.4	--	--	--	16	--	--	--	63	6.6	--	73
1193.4	Roaring Brook near West Willington	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 82	--	--	74
	do	9-11-63	--	--	--	.09	.07	6.1	2.4	9.9	1.1	20	8.0	17	--	.5	c/55	25	9	--	--	102	7.4	3	66
	do	5-21-64	--	--	--	--	--	--	--	5.4	e/--	10	8.0	12	--	--	--	19	11	--	--	70	6.6	--	58
	do	6-10-64	--	--	--	--	--	--	--	--	--	11	--	9.8	--	--	--	16	--	--	--	64	6.6	--	72
1193.5	Willimantic River at West Willington	12-3-62	--	--	--	.18	--	4.2	1.1	4.7	1.0	9	5.7	6.5	--	--	56	15	8	--	--	63	6.6	--	37
	do	4-17-63	118	--	6.5	.21	.03	3.2	1.0	4.5	.7	8	9.5	5.9	.0	.9	44	12	6	--	.0	56	6.2	22	50
	do	5-23-63	162	--	4.3	.18	.00	3.6	.7	6.1	.7	5	7.9	7.5	.1	4.0	45	12	8	--	.3	65	5.8	22	59
	do	7-25-63	37	--	7.7	.50	.10	4.8	1.2	9.7	1.0	16	8.8	9.0	.1	6.5	67	17	4	.4	.2	95	6.4	28	74
	do	8-7-63	52.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/130	--	--	76
	do	9-11-63	d/ 20	--	5.2	.42	.10	5.4	1.5	15	1.0	26	12	11	.1	5.2	76	20	0	--	.0	119	6.3	22	66
	do	7-9-64	--	--	--	.85	.12	--	--	11	e/--	18	--	16	--	5.7	--	23	8	.2	--	114	6.3	15	68
1193.55	Willimantic River near South Willington	7-9-64	--	--	--	.61	.04	--	--	11	e/--	18	--	16	--	3.9	--	23	8	.1	--	113	6.6	15	69
1193.6	Conat Brook at West Willington	8-8-63	.66	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67	--	--	72
	do	9-11-63	.37	9.8	--	.28	.05	6.2	2.1	6.1	.8	18	9.4	8.0	--	.6	c/42	24	9	--	--	74	6.3	5	58
1193.8	Willimantic River at Merrow	8-8-63	18.0	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/106	--	--	79
	do	9-11-63	d/ 21	13	--	.30	.05	5.8	2.1	13	1.4	20	16	12	--	4.8	c/65	23	7	--	--	119	6.3	14	86
	do	4-7-64	--	--	--	.25	.03	--	--	5.1	e/--	0	--	8.6	--	.6	--	20	20	.1	--	81	4.3	17	46
	do	7-9-64	--	--	--	.62	.01	--	--	8.9	e/--	16	--	15	--	2.1	--	22	9	.1	--	99	6.7	15	70
1193.85	Willimantic River near Mansfield Depot	7-23-64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	142	6.0	42	74
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	143	6.0	42	75
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	6.1	40	76
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	152	6.1	41	76
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160	6.1	46	78
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	161	6.2	44	79
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160	6.2	45	80
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160	6.2	45	80
	do	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140	6.4	42	78
	do	7-24-64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	137	6.4	37	71
1194	Cedar Swamp Brook near Mansfield Depot	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 76	--	--	--
	do	9-11-63	--	--	--	.29	.07	7.2	1.9	6.6	2.6	26	8.6	6.5	--	4.2	c/51	26	5	--	--	90	6.6	--	66
1194.6	Eagleville Brook at Eagleville	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/180	--	--	74
	do	9-11-63	--	--	15	.14	.10	13	2.4	16	4.1	10	20	24	.1	25	138	43	35	--	.0	199	6.2	4	59

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs (Cont.)

Station number	Stream, lake or reservoir, and location	Date of collection	Instantaneous discharge (cfs)	Percent of average discharge (%)	Parts per million: Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as CaCO3: Calcium magnesium	Hardness as CaCO3: Noncarbonate	Alkyl benzene sulfonate (ABS)	Turbidity	Specific conductance (micromhos at 25°C)	pH	Color	Water temperature (°F)
U.S. Public Health Service drinking-water standards (recommended upper limit):					--	0.3	0.05	--	--	--	--	--	250	250	a/1.3	45	500	--	--	0.5	5	--	--	15	--
1194.7	Willimantic River at Eagleville	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/111	--	--	78
	do	7-9-64	--	--	--	1.0	.05	--	--	11	a/--	22	--	14	--	6.6	--	25	7	.1	--	114	6.6	27	72
1194.79	Wangumbaug Lake at South Coventry	7-18-63	--	--	1.8	.07	.03	7.4	1.3	5.7	1.6	20	10	8.0	.1	.1	51	24	8	.0	1	85	6.7	3	--
	do	5-21-64	--	--	1.5	.04	.00	8.0	1.2	5.1	1.4	16	12	8.1	.1	.6	53	25	12	--	.7	86	6.9	3	--
1194.8	Mill Brook near South Coventry	8-8-63	3.9	61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 83	--	--	79
	do	9-11-63	2.8	44	--	--	--	--	--	--	--	22	--	--	--	--	--	28	10	--	--	93	6.2	--	64
1195	Willimantic River near South Coventry	5-4-56	394	185	5.1	.22	.00	3.4	1.0	2.9	.9	9	7.6	3.2	.0	1.5	35	13	5	--	--	49	6.5	7	55
	do	12-3-62	85	40	--	.21	--	5.4	1.1	6.2	1.3	10	3.7	6.9	--	--	70	18	10	--	--	77	6.8	--	39
	do	4-17-63	182	85	6.5	.32	.03	4.0	1.0	4.8	.8	8	8.9	6.9	.2	1.8	48	14	8	--	.0	61	6.3	14	52
	do	5-23-63	258	121	3.2	.27	.00	4.2	1.1	5.2	.9	8	8.5	6.5	.1	1.7	44	15	9	--	.5	66	5.8	18	64
	do	7-25-63	54	25	7.4	.33	.05	5.4	1.4	7.5	1.1	15	9.6	8.3	.1	5.6	59	20	7	.1	.1	89	6.4	21	78
	do	8-8-63	34	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/103	--	--	75
	do	9-11-63	23	11	5.2	.34	.10	6.5	1.4	13	1.8	27	11	11	.1	4.2	73	22	0	--	.0	118	6.7	8	62
	do	4-7-64	500	235	--	.24	.03	--	--	5.2	a/--	6	--	7.8	--	1.5	--	18	13	.1	--	65	5.7	19	45
	do	4-9-64	676	317	6.7	.12	.00	4.0	1.0	3.4	.8	6	4.8	7.0	.1	1.2	40	14	9	--	.4	62	5.8	9	46
	do	7-9-64	32	15	--	.68	.07	--	--	8.6	a/--	20	--	12	--	3.5	--	25	9	.1	--	105	6.7	20	68
1195.49	Bolton Lake (lower) near Bolton	5-20-64	--	--	.9	.09	.00	5.7	.6	3.3	.7	6	11	5.8	.1	1.0	37	17	12	--	1	56	5.8	5	--
1195.5	Bolton Pond Brook at Quarryville	8-9-63	.06	.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 74	--	--	68
1195.75	Ash Brook near North Coventry	5-20-64	--	--	--	.10	--	--	--	4.8	a/--	10	13	6.9	.1	--	--	19	11	--	--	69	6.4	--	60
1195.85	Pond on unnamed brook tributary to Ash Brook near North Coventry	6-9-64	--	--	--	--	--	--	--	--	--	44	--	7.2	--	.8	--	41	--	--	--	117	7.0	--	78
1195.9	Tributary to Ash Brook near Coventry	5-20-64	--	--	--	.19	--	--	--	7.4	a/--	0	22	14	.1	--	--	24	24	--	--	157	3.9	--	66
	do	6-9-64	--	--	--	--	--	--	--	--	--	64	--	13	--	1.3	--	71	--	--	--	195	7.2	--	72
1195.95	Pond on unnamed brook tributary to Ash Brook near North Coventry	5-20-64	--	--	--	--	--	--	--	4.0	a/--	18	19	4.5	--	--	--	32	17	--	--	90	6.1	--	66
1195.98	Tributary to Ash Brook near North Coventry	4-8-64	--	--	--	.01	--	--	--	3.6	a/--	5	17	4.8	.1	--	--	19	15	--	--	62	6.0	--	43
1196	Ash Brook near North Coventry	5-22-63	3.10	69	--	.04	.00	5.0	.6	4.9	.8	10	9.9	5.8	--	--	51	15	--	--	--	67	6.6	--	60
	do	8-9-63	.02	.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/95	--	--	64
	do	9-10-63	.02	.45	--	.01	.05	7.4	3.0	6.6	1.3	26	14	8.0	--	.6	c/54	31	10	--	--	101	6.5	2	54
	do	4-8-64	16.5	368	--	.04	.01	--	--	5.6	a/--	0	42	18	.0	.4	--	42	42	--	--	221	3.6	--	44
	do	4-15-64	101	2254	--	.05	--	--	--	4.5	a/--	0	34	5.7	.1	--	--	22	22	--	--	147	3.8	--	47
	do	5-20-64	3.6	80	--	.06	--	--	--	5.9	a/--	12	15	9.1	.1	--	--	22	12	--	--	82	6.5	--	59
1196.5	Hop River near Andover	8-9-63	.31	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/104	--	--	62
	do	9-10-63	.04	.2	--	.07	.05	8.8	1.5	6.8	1.7	20	11	11	--	1.2	c/52	28	12	--	--	97	6.3	2	52
1197	Skungamaug River near Tolland	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/57	--	--	72
	do	9-10-63	.22	1.6	--	.32	.15	7.0	1.6	5.7	1.8	24	8.6	8.0	--	1.3	c/46	24	5	--	--	83	6.4	4	58
1197.2	Tolland Reservoir at Tolland	8-21-63	--	--	11	.15	.03	15	1.7	4.1	.8	47	9.2	5.0	.1	.3	73	45	6	--	.3	109	7.8	8	66
1198.2	Skungamaug River at North Coventry	8-8-63	2.2	5.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/72	--	--	73
	do	9-11-63	3.2	8.2	--	.14	.05	7.2	1.2	6.2	1.2	22	9.0	8.1	--	1.0	c/45	23	5	--	--	77	6.5	4	57

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs (Cont.)

Station number	Stream, lake or reservoir, and location	Date of collection	Instantaneous discharge (cfs)	Percent of average discharge (%)	Parts per million: Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$: Calcium magnesium	Hardness as $CaCO_3$: Noncarbonate	Alkyl benzene sulfonate (ABS)	Turbidity	Specific conductance (micromhos at 25°C)	pH	Color	Water temperature (°F)
U.S. Public Health Service drinking-water standards (recommended upper limit):					--	0.3	0.05	--	--	--	--	--	250	250	a/1.3	45	500	--	--	0.5	5	--	--	15	--
1198.5	Skungamaug River near Andover	8-8-63	2.4	5.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 74	--	--	74
1199	Burnap Brook near Andover	8-7-63	.03	.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 84	--	--	70
	do	9-10-63	.06	.63	--	.03	.11	17	3.8	9.9	2.1	28	13	33	--	1.1	c/94	58	35	--	--	187	6.9	--	54
1199.2	Hop River at Andover	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 90	--	--	68
	do	9-10-63	--	--	--	.14	.03	8.0	1.9	6.6	1.9	22	14	9.7	--	1.0	c/54	28	10	--	--	100	6.4	5	56
1199.29	Andover Lake near Andover	5-21-64	--	--	4.0	.07	.00	6.7	1.0	3.7	1.2	11	11	6.8	.1	.9	42	21	12	--	.4	67	6.1	4	--
1199.3	Andover Lake Brook at Andover	8-7-63	.09	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 79	--	--	66
	do	9-10-63	.03	.44	--	.06	.03	8.6	1.6	5.0	2.0	32	7.8	6.1	--	.4	c/48	28	2	--	2	88	6.7	3	54
1199.5	Rufus Brook near Hop River	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 75	--	--	66
	do	9-10-63	--	--	--	.24	.01	7.6	1.7	6.1	1.0	29	8.2	5.6	--	1.1	c/45	26	2	--	--	87	6.5	--	54
1199.59	Columbia Lake near Columbia	5-21-64	--	--	2.9	.04	.00	5.6	.6	3.9	.8	8	9.4	6.8	.1	.4	39	17	10	--	1	58	6.3	4	--
1199.6	Columbia Lake Brook near Columbia	8-7-63	.03	.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 78	--	--	63
	do	9-10-63	.06	.97	--	.02	.01	6.4	.7	5.7	1.4	14	8.0	10	--	.8	c/40	19	8	--	--	78	6.3	--	52
1200	Hop River near Columbia	10-5-54	53	42	9.0	.38	.00	4.9	1.3	3.7	1.7	12	7.1	7.5	.1	3.5	54	18	8	--	--	64	7.3	30	--
	do	4-27-55	418	329	5.7	.08	.02	3.6	.9	2.3	.8	7	8.8	3.0	.0	.7	35	13	8	--	--	48	6.2	25	--
	do	5-4-56	225	177	6.1	.14	.00	3.6	1.7	2.4	.9	11	8.8	2.8	.0	.4	35	16	7	--	--	49	6.2	8	55
	do	10-1-57	4.1	3.2	7.6	.07	.05	6.8	1.2	3.2	1.7	12	6.5	5.0	.1	7.4	53	22	12	--	--	81	6.0	7	61
	do	1-7-58	102	80	7.6	.09	.01	6.0	.9	2.8	.7	6	14	4.8	.1	.2	46	19	14	--	--	63	6.7	5	33
	do	4-10-58	300	236	5.8	.07	.00	4.2	1.4	2.9	.6	8	12	3.4	.1	.5	38	17	10	--	--	49	6.0	8	47
	do	7-9-58	96	76	8.3	.27	.01	5.2	.9	2.8	1.1	12	8.2	4.0	.1	.7	49	17	7	--	--	55	6.2	33	71
	do	12-3-62	55	43	--	.10	--	7.8	1.8	5.5	1.2	24	8.1	6.8	--	--	82	27	8	--	--	95	6.5	--	37
	do	4-17-63	71	56	5.6	.11	.02	5.0	.9	4.6	1.2	10	9.5	7.9	.1	1.1	47	16	8	--	.1	68	6.5	12	50
	do	5-23-63	93	73	3.8	.11	.01	5.2	1.0	4.5	1.0	12	8.9	6.2	.1	.4	43	17	7	--	.3	64	6.7	8	59
	do	7-25-63	14	11	8.2	.18	.04	8.2	1.1	5.3	1.4	16	9.4	9.6	.1	3.4	59	25	12	.1	.6	88	6.2	6	78
	do	8-7-63	6.2	4.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/105	--	--	72
	do	9-10-63	2.8	2.2	7.6	.20	.03	8.6	1.1	6.2	1.8	5	10	10	.0	18	75	26	22	--	.7	106	5.3	3	68
	do	4-9-64	528	416	6.4	.06	.01	4.8	1.0	4.1	.9	7	11	6.9	.1	.6	44	16	11	--	.4	65	6.1	4	--
1200.5	Willimantic River near Willimantic	12-3-62	--	--	--	.21	--	5.6	1.5	5.8	1.3	24	10	6.5	--	--	66	20	1	--	--	82	6.0	--	39
	do	4-17-63	310	--	6.0	.33	.05	3.9	1.1	5.0	1.0	8	9.1	7.0	.1	1.4	49	14	8	--	.4	66	6.3	19	51
	do	5-23-63	450	--	3.1	.13	.00	5.4	.9	5.0	1.0	13	8.9	6.3	.1	.8	45	17	7	--	.9	69	6.2	18	64
	do	7-25-63	78	--	6.4	.27	.03	6.2	1.6	6.6	1.2	16	9.6	9.0	.1	4.6	58	22	9	.1	.4	88	6.3	15	78
	do	8-7-63	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/109	--	--	73
	do	9-10-63	30	--	5.7	.39	.05	7.4	1.8	10	1.8	25	11	11	.1	4.3	70	26	6	--	.0	114	6.5	9	69
	do	4-7-64	--	--	--	.37	.07	--	--	5.1	e/--	7	--	9.8	--	1.0	--	20	15	.1	--	71	5.6	17	47
	do	7-9-64	--	--	--	.58	.08	--	--	8.6	e/--	19	--	11	--	2.9	--	24	9	.1	--	105	6.8	20	68
T202	Tenmile River near Willimantic	8-7-63	.7	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/110	--	--	69
	do	9-10-63	.71	2.5	--	.14	.07	14	3.2	4.6	1.9	37	18	8.6	--	.4	c/69	48	18	--	--	132	6.2	--	55
1203.95	Crystal Pond near Eastford	5-20-64	--	--	1.3	.07	.00	3.2	.8	3.4	.8	10	7.0	3.0	.0	.6	27	12	4	--	1	45	6.2	4	--
1204	Still River at Kenyonville	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 52	--	--	72
	do	9-9-63	.20	1.4	--	.57	.03	4.0	1.0	6.0	.5	10	9.0	6.5	--	1.1	c/33	14	6	--	--	56	6.6	29	64
1204.5	Bungee Brook near Kenyonville	8-8-63	.70	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 57	--	--	69
	do	9-9-63	.53	3.8	--	.24	.11	6.5	1.9	5.0	1.3	24	9.4	4.3	--	.4	c/41	24	5	--	--	71	6.6	7	58

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs (Cont.)

Station number	Stream, lake or reservoir, and location	Date of collection	Instantaneous discharge (cfs)	Percent of average discharge (%)	Parts per million: Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$: Calcium, magnesium	Hardness as $CaCO_3$: Noncarbonate	Alkyl benzene sulfonate (ABS)	Turbidity	Specific conductance (micromhos at 25°C)	pH	Color	Water temperature (°F)
U.S. Public Health Service drinking-water standards				(recommended upper limit):	--	0.3	0.05	--	--	--	--	--	250	250 a/	1.3	45	500	--	--	0.5	5	--	--	15	--
1205	Safford Brook near Woodstock Valley	5-4-56	10.3	132	5.6	.10	.00	3.1	0.9	2.1	0.8	9	6.2	2.4	.0	.4	31	12	4	--	--	42	6.8	8	53
	do	4-24-62	4.8	62	6.6	.10	.00	3.9	1.6	2.7	.8	14	10	2.2	.0	.6	37	16	5	--	.4	51	6.8	9	48
	do	8-8-63	.18	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 46	--	--	73
	do	9-9-63	.09	1.2	--	.26	.07	5.4	2.6	3.5	1.3	18	8.6	5.0	--	.8	c/ 36	24	9	--	--	67	6.4	9	60
1206	Still River at Phoenixville	8-8-63	2.57	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 72	--	--	78
	do	9-9-63	1.50	2.5	--	.22	.03	6.3	3.0	4.7	1.9	22	6.8	9.8	--	1.3	c/ 45	28	10	--	--	83	6.5	5	72
1206.49	Bigelow Pond near Union	9-9-63	--	--	--	.21	.01	3.3	1.5	2.9	.4	8	6.4	5.5	--	.5	--	14	8	--	--	48	4.9	--	--
1206.55	Bush Meadow Brook near Union	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/151	--	--	72
	do	9-9-63	--	--	--	.08	.01	7.6	3.4	14	.8	14	12	30	--	.6	c/ 75	33	22	--	--	149	6.3	4	64
1206.8	Bigelow Brook near Westford	8-8-63	2.0	8.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/87	--	--	68
1207	Bigelow Brook near Phoenixville	8-8-63	4.7	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/76	--	--	79
	do	9-9-63	.64	1.6	--	.07	.03	5.6	2.4	5.3	.9	21	5.8	10	--	.5	c/ 40	24	7	--	--	83	6.6	5	69
1207.5	Natchaug River near Phoenixville	8-8-63	5.0	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/72	--	--	75
1207.55	Beaverdam Brook near Phoenixville	8-8-63	--	--	--	--	--	3.3	1.2	2.7	.6	20	.8	1.0	--	1.4	--	13	0	--	--	49	6.0	--	74
1208	Natchaug River at Chaplin	12-3-62	--	--	--	.09	.00	4.6	1.1	3.0	.8	15	5.5	4.7	--	--	42	16	4	--	--	57	6.2	--	39
	do	4-17-63	94	75	5.4	.09	.01	3.2	1.0	3.3	.8	9	6.6	5.1	.1	.3	39	12	5	--	.0	49	6.5	15	47
	do	5-23-63	88	70	4.4	.07	.02	4.0	1.0	3.6	.7	11	5.9	5.3	.1	.9	37	14	5	--	.1	49	6.5	22	61
	do	7-25-63	12	9.6	7.3	.16	.01	6.0	1.1	4.4	1.0	17	6.0	7.5	.1	.8	45	20	6	.0	.5	65	6.5	16	85
	do	8-8-63	10	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/75	--	--	78
	do	9-10-63	2.0	1.6	4.7	.05	.03	5.6	1.4	4.6	1.4	20	5.4	8.1	.1	.7	44	20	4	--	.0	73	7.0	6	72
	do	8-24-64	--	--	--	--	--	7.4	3.3	5.2	1.4	24	8.0	8.7	--	--	--	32	13	--	--	84	6.7	--	--
1208.2	Stonehouse Brook at Bedlam Corners	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/56	--	--	68
	do	9-12-63	--	--	--	.27	.00	6.6	2.3	3.6	1.2	30	6.0	3.8	--	.4	c/ 39	26	2	--	--	74	6.3	--	60
1208.5	Natchaug River at North Windham	8-8-63	11	7.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/77	--	--	76
1209.2	Mount Hope River at Westford	8-7-63	.07	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/94	--	--	68
	do	9-9-63	.07	1.2	--	.16	.07	7.6	2.7	6.0	1.2	23	11	10	--	.7	c/ 50	30	11	--	--	95	6.5	4	60
1209.35	East Branch Mount Hope River near Warrenville	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/50	--	--	74
	do	9-9-63	--	--	--	.32	.15	6.8	2.2	2.9	1.3	16	13	4.0	--	1.7	c/ 40	26	13	--	--	77	5.6	--	65
1209.4	Knowlton Brook at West Ashford	8-8-63	.22	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/87	--	--	66
	do	9-11-63	.06	.57	--	.19	.05	7.4	2.3	4.5	1.9	24	7.6	9.5	--	.6	c/ 46	28	9	--	--	87	6.6	3	62
1210	Mount Hope River near Warrenville	5-4-56	--	--	6.7	.15	.00	3.2	1.8	1.9	.6	12	5.5	2.4	.0	.7	34	16	6	--	--	43	7.1	12	54
	do	10-13-58	26	50	11	.40	.01	5.6	1.7	2.4	.9	20	6.5	3.5	.0	.1	45	21	5	--	--	54	7.2	15	49
	do	11-10-58	128	246	9.3	.24	.01	4.0	1.8	2.3	1.0	11	8.3	4.5	.0	.5	44	18	9	--	--	50	6.9	30	44
	do	12-10-58	54	104	9.9	.16	.00	4.8	1.5	2.2	.9	11	5.5	4.5	.0	.7	42	18	9	--	--	50	6.4	20	33
	do	1-13-59	19	37	11	.06	.00	5.2	1.8	2.7	.7	14	7.8	5.0	.2	1.1	48	21	9	--	--	57	6.4	5	33
	do	2-5-59	58	112	7.4	.14	.00	4.2	1.5	2.7	1.5	8	8.3	5.5	.1	1.8	43	17	10	--	--	52	6.0	10	33
	do	3-9-59	76	146	7.5	.17	.02	3.2	1.7	2.3	1.2	9	7.4	5.5	.1	.9	41	15	8	--	--	46	6.2	5	32
	do	4-6-59	144	277	6.6	.03	.00	3.4	1.7	2.3	1.0	8	7.5	3.9	.0	1.6	42	16	9	--	--	46	6.3	13	44
	do	5-6-59	42	81	6.5	.17	.05	3.4	2.4	2.8	1.1	12	12	4.2	.0	1.4	38	19	9	--	--	51	6.4	17	61
	do	5-26-59	15	29	8.1	.25	.12	4.8	2.7	3.3	1.2	18	6.0	4.8	.0	2.3	45	23	8	--	--	57	6.6	23	66
	do	6-29-59	17	33	9.9	.22	.00	4.8	2.4	3.3	.9	18	7.0	4.8	.0	1.0	51	22	7	--	--	59	6.4	28	71
	do	8-8-59	7.2	14	11	.19	.00	5.0	1.6	3.5	1.4	18	5.7	3.6	.0	2.3	52	19	4	--	--	65	7.1	27	69
	do	9-28-59	2.9	5.6	11	.08	.00	7.8	1.9	4.0	1.6	24	6.5	7.0	.0	.7	60	28	8	--	--	84	6.6	3	64
	do	8-8-63	4.88	9.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/87	--	--	68
	do	9-12-63	3.08	5.9	--	.17	.04	8.0	2.9	4.7	1.8	24	9.8	9.1	--	1.8	c/ 50	32	13	--	--	96	6.4	11	60

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs (Cont.)

Station number	Stream, lake or reservoir, and location	Date of collection	Instantaneous discharge (cfs)	Percent of average discharge (%)	Parts per million: Silica (SiO_4)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$: Calcium magnesium	Hardness as $CaCO_3$: Noncarbonate	Alkyl benzene sulfonate (ABS)	Turbidity	Specific conductance (micromhos at 25°C)	pH	Color	Water temperature (°F)
U.S. Public Health Service drinking-water standards (recommended upper limit):					--	0.3	0.05	--	--	--	--	--	250	250	a/1.3	45	500	--	--	0.5	5	--	--	15	--
1211	Mount Hope River at Atwoodville	12-3-62	--	--	--	.12	--	5.6	1.5	3.4	1.3	14	6.5	5.5	--	--	53	20	9	--	--	68	6.3	--	40
	do	4-17-63	49	77	6.1	.10	.03	4.2	1.3	3.2	1.1	13	7.8	5.1	.1	.5	38	16	6	--	.3	56	6.7	14	47
	do	5-23-63	45	70	5.8	.22	.01	4.9	1.6	3.7	.9	16	5.7	5.7	.1	.1	44	19	6	--	.4	59	6.9	19	59
	do	7-25-63	5.8	9.1	9.6	.21	.03	6.3	1.8	4.3	1.4	20	6.0	7.9	.0	1.2	52	23	7	.0	.1	79	6.6	7	80
	do	8-8-63	3.2	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 78	--	--	69
	do	9-12-63	1.0	1.6	7.7	.14	.07	7.0	2.0	3.8	1.8	25	6.6	7.1	.1	1.1	54	26	5	--	.0	81	6.9	7	62
1211.5	Tinkerville Brook near Westford	8-8-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/137	--	--	66
	do	9-9-63	--	--	--	1.1	.03	11	4.7	9.3	2.1	24	9.2	27	--	.5	c/76	47	28	--	--	154	6.2	--	62
1213	Fenton River at East Willington	8-8-63	1.0	4.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 83	--	--	70
	do	9-11-63	.06	.29	--	.55	.04	6.9	3.2	5.0	1.5	34	4.4	6.9	--	.6	c/46	30	2	--	--	84	6.7	5	67
1213.5	Fenton River at Gurleyville	5-4-56	--	--	7.2	.16	.00	3.5	1.2	2.1	.6	11	6.2	2.6	.0	.6	35	14	5	--	--	46	6.8	7	54
	do	4-17-63	34	85	5.6	.07	.03	3.6	1.5	3.2	.8	13	7.8	5.1	.1	.4	41	15	5	--	.2	57	6.5	10	47
	do	5-23-63	30	75	6.9	.22	.00	5.4	1.3	3.7	.9	15	6.9	4.7	.1	.0	48	19	7	--	4	62	5.8	9	59
	do	7-25-63	4.2	10	8.3	.16	.02	8.0	1.9	4.0	1.0	24	7.2	7.0	.1	1.0	53	28	9	.0	.5	80	6.6	7	79
	do	8-8-63	1.3	3.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 90	--	--	66
	do	9-12-63	.2	.50	11	.09	.04	8.2	2.3	4.1	1.9	28	9.2	6.0	.1	2.1	61	30	7	--	.0	90	6.6	2	58
1217	Willimantic Reservoir at Willimantic	7-17-63	--	--	5.9	1.4	.21	7.2	1.6	4.0	1.2	21	6.8	6.8	.0	1.2	50	25	8	.1	.6	73	6.2	36	77
1220	Natchaug River at Willimantic	9-17-53	5.3	1.7	8.7	.52	.02	8.0	1.5	20	2.1	36	15	20	.3	.8	103	27	0	--	--	157	6.9	8	--
	do	4-20-54	885	291	5.6	.17	.00	2.8	1.7	2.3	.8	8	8.4	2.4	.1	.8	40	15	8	--	--	41	6.2	2	--
	do	10-1-57	5.5	1.8	6.3	.07	.07	8.9	1.5	3.5	1.5	22	10	6.0	.1	.7	51	28	10	--	--	74	6.3	7	57
	do	11-4-57	119	39	9.0	.14	.00	7.0	1.8	3.8	1.8	19	12	6.0	.1	.7	68	25	10	--	--	82	6.4	3	57
	do	12-10-57	374	123	9.2	.23	.01	9.1	2.5	3.4	1.3	10	21	5.6	.0	1.2	67	33	25	--	--	94	6.9	7	39
	do	1-7-58	240	79	9.5	.08	.00	5.9	2.0	2.6	.6	7	14	4.5	.1	1.2	51	23	17	--	--	68	6.2	15	33
	do	2-10-58	240	79	9.3	.10	.02	4.4	1.8	2.8	.9	8	11	4.6	.0	1.6	43	19	12	--	--	57	5.9	7	35
	do	3-11-58	540	178	7.5	.02	.27	4.7	1.2	2.3	.8	7	12	3.8	.1	1.2	38	17	11	--	--	47	6.5	8	41
	do	4-10-58	1,020	336	6.4	.09	.00	4.4	1.3	2.2	.4	6	11	3.0	.0	.5	36	17	12	--	--	41	6.2	7	46
	do	5-12-58	550	181	6.5	.16	.00	3.6	1.3	2.3	.6	8	8.2	2.9	.1	.2	36	15	8	--	--	44	6.1	16	59
	do	6-10-58	133	44	7.5	.25	.01	4.8	1.5	2.8	.9	14	7.0	4.5	.1	.9	41	18	7	--	--	54	6.0	17	61
	do	7-9-58	112	37	7.7	.46	.00	5.6	1.5	3.2	1.0	16	7.3	4.0	.1	1.2	45	20	7	--	--	59	6.8	14	71
	do	8-12-58	40	13	9.1	.34	.01	5.6	1.9	2.8	1.0	20	7.7	3.0	.2	2.0	50	22	6	--	--	63	6.8	9	73
	do	9-11-58	108	36	9.4	.34	.00	6.0	1.8	3.3	1.3	21	4.5	5.0	.2	.2	50	23	6	--	--	65	6.6	10	63
	do	12-3-62	210	69	--	.14	.00	6.2	1.3	3.7	1.0	21	7.1	4.8	--	--	55	21	4	--	--	71	6.7	--	39
	do	4-17-63	227	75	5.3	.12	.02	4.0	1.0	3.1	1.0	10	7.0	4.8	.1	.3	38	14	6	--	.0	51	6.6	13	51
	do	5-23-63	239	79	5.8	.19	.01	4.9	1.2	3.6	1.0	19	4.9	4.5	.0	.1	39	17	2	--	.5	59	5.9	7	67
	do	7-25-63	136	45	6.1	.54	.12	6.2	1.9	4.0	1.2	21	5.8	7.0	.1	1.4	48	24	7	.0	.4	72	6.6	27	82
	do	8-7-63	83	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 77	--	--	74
	do	9-10-63	136	45	4.3	.34	.04	6.4	1.2	5.5	1.5	24	5.2	7.2	.0	1.0	48	21	2	--	1	76	6.5	11	70
	do	4-9-64	995	327	6.7	.09	.00	4.0	1.0	4.4	.8	8	8.8	6.2	.0	.6	42	14	8	--	2	56	6.4	9	46
	do	7-9-64	27	89	--	.69	.18	--	--	8.1	d/--	30	--	7.0	--	1.7	--	24	0	.0	--	92	7.0	10	69
1225	Shetucket River near Willimantic	9-17-53	44	6.2	3.6	.47	.02	6.9	1.2	9.6	1.9	22	13	9.3	.1	1.5	75	22	4	--	--	98	6.8	9	--
	do	4-20-54	1,980	280	6.1	.53	.01	3.9	1.6	2.7	.8	8	10	2.8	.1	.7	41	17	13	--	--	46	6.3	28	--
	do	12-3-62	372	53	--	.17	.00	6.6	1.3	5.5	1.2	18	7.5	6.1	--	--	63	22	7	--	--	77	6.4	--	39
	do	4-17-63	550	78	5.6	.22	.03	4.6	1.1	5.2	1.3	9	9.5	7.8	.1	2.0	49	16	9	--	.2	72	6.2	9	52
	do	5-23-63	600	85	5.0	.12	.00	5.2	.9	5.4	1.2	10	9.3	7.0	.1	2.3	50	17	9	--	.2	71	6.1	13	65
	do	7-25-63	155	22	6.5	.30	.07	6.5	2.6	8.1	1.5	16	11	11	.1	4.2	61	27	14	.1	.3	98	6.3	16	82
	do	8-7-63	63	8.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/135	--	--	80
	do	9-10-63	155	22	4.5	.19	.01	7.2	1.2	8.0	2.0	20	7.0	10	.1	4.4	64	23	7	--	1	106	6.1	9	70
	do	4-7-64	2,040	289	--	.25	.05	--	--	4.5	e/--	8	--	7.5	--	.9	--	20	14	.0	--	69	6.1	15	47
	do	4-9-64	2,490	353	6.5	.10	.05	4.6	1.1	5.2	.5	7	12	6.7	.1	1.5	45	16	11	--	.7	61	6.1	9	47
	do	7-9-64	132	19	--	.66	.07	--	--	8.4	e/--	24	--	12	--	7.6	--	27	8	.1	--	116	6.5	25	68
1226	Obwebetuck Brook near South Windham	8-7-63	.01	.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 75	--	--	70
1226.5	Frog Brook near South Windham	8-7-63	1.0	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 62	--	--	69
	do	9-9-63	.34	4.8	--	.05	.08	6.4	1.9	4.4	1.7	22	8.4	6.8	--	.6	c/41	24	6	--	--	74	6.5	5	63

Table 8.--Chemical analyses of water from streams, lakes, and reservoirs (Cont.)

Station number	Stream, lake or reservoir, and location	Date of collection	Instantaneous discharge (cfs)	Percent of average discharge (%)	Parts per million: Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$: Calcium magnesium	Hardness as $CaCO_3$: Noncarbonate	Alkyl benzene sulfonate (ABS)	Turbidity	Specific conductance (micromhos at 25°C)	pH	Color	Water temperature (°F)
U.S. Public Health Service drinking-water standards (recommended upper limit):					--	0.3	0.05	--	--	--	--	--	250	250	a/1.3	45	500	--	--	0.5	5	--	--	15	--
1226.79	Merrick Brook near Scotland	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 42	--	--	71
	do	9-9-63	--	--	--	.17	.05	4.6	1.3	4.6	0.9	8	16	3.2	--	.4	c/ 35	17	11	--	--	63	5.2	--	70
1227.4	Beaver Brook near North Windham	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 54	--	--	77
1227.5	Beaver Brook near Scotland	8-7-63	.43	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 60	--	--	72
1227.6	Merrick Brook near Hanover	8-7-63	.19	.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 77	--	--	70
	do	9-9-63	.9	2.5	--	.02	.05	8.0	1.9	6.3	2.1	22	15	7.0	--	1.4	c/ 53	28	10	--	--	91	6.5	10	67
1227.8	Shetucket River at Baltic	10-30-62	--	--	--	.21	.01	13	.8	6.9	2.0	30	17	8.0	--	--	72	36	12	--	--	130	7.1	--	44
	do	12-3-62	--	--	--	.17	.00	6.2	1.6	5.2	1.4	14	7.5	6.5	--	--	49	22	11	--	--	74	6.7	--	39
	do	4-17-63	900	--	5.2	.15	.01	4.4	1.0	4.1	1.2	11	9.3	5.9	.1	1.1	45	15	6	--	.3	62	6.4	14	52
	do	5-23-63	350	--	3.8	.36	.00	5.2	1.6	4.8	1.2	15	8.7	6.0	.1	1.4	45	20	7	--	1	67	6.5	21	68
	do	7-25-63	38	--	6.0	.22	.03	7.3	1.3	6.6	1.6	18	10	9.1	.1	3.4	55	24	9	.1	.7	91	6.2	15	90
	do	8-8-63	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/103	--	--	81
	do	9-12-63	170	--	5.0	.17	.04	7.2	1.6	12	2.2	24	12	13	.2	4.2	70	25	5	--	.0	121	6.5	11	67
1228	Beaver Brook at Baltic	8-8-63	1.46	9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/112	--	--	76
	do	9-12-63	1.06	6.5	--	.12	.07	14	1.7	6.3	3.4	40	13	9.5	--	2.1	c/ 70	42	9	--	--	128	6.7	2	62
1228.1	Baltic Reservoir at Baltic	8-22-63	--	--	2.7	.09	.17	4.4	1.2	3.9	.8	10	8.2	6.0	.0	.4	33	16	8	--	.4	59	6.2	3	--
1228.5	Little River at Hampton	8-8-63	.52	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 95	--	--	71
	do	9-9-63	.30	2.0	--	.16	.05	11	2.1	6.0	3.3	33	14	6.8	--	1.1	c/ 60	36	9	--	--	110	6.6	10	66
1229	Little River near Scotland	8-7-63	2.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/ 73	--	--	68
1230	Little River near Hanover	4-24-62	46	82	6.2	.16	.03	4.0	1.7	3.2	1.0	16	6.8	3.4	.1	.7	36	17	4	--	.4	52	6.8	11	54
	do	8-7-63	9.0	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63	--	--	70
	do	9-9-63	3.9	7.0	--	.10	.03	6.4	1.9	5.2	1.7	25	7.8	5.9	--	.4	c/ 41	24	4	--	--	76	6.7	3	67
	do	4-9-64	207	370	6.2	.04	.04	3.8	.6	5.1	.5	6	10	5.0	.1	.8	39	12	7	--	.6	49	6.1	19	45
1230.25	Hanover Reservoir at Hanover	5-19-64	--	--	7.6	.07	.06	4.4		4.2	.4	8	9.2	4.8	.1	1.0	39	14	8	.0	1	51	6.4	8	53
	do	6-24-64	--	--	--	.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	62	6.9	--	73
1230.3	Little River at Hanover	8-7-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/113	--	--	80
	do	9-9-63	--	--	--	.42	.19	5.8	2.3	7.3	2.0	24	13	8.0	--	.1	c/ 50	24	5	--	--	84	6.5	14	73
1230.55	Little River at Versailles Station	8-8-63	--	--	--	--	--	--	--	90	a/--	--	--	--	--	--	--	80	0	--	--	495	5.6	--	104
	do	9-12-63	--	--	--	--	--	--	--	44	a/--	--	--	--	--	--	--	100	0	--	40	372	5.2	45	94
1230.6	Little River at Versailles	12-3-62	--	--	--	.25	.00	6.2	1.1	6.5	1.2	12	11	5.2	--	--	64	20	10	--	--	83	5.8	--	43
	do	4-17-63	75	--	6.1	.25	.03	5.0	.9	5.1	1.3	15	12	4.5	.1	.2	55	16	4	--	2	71	6.4	21	53
	do	5-23-63	74	--	8.0	.25	.01	8.8	1.0	7.5	1.5	15	22	5.8	.1	.0	74	26	14	--	2	105	5.5	18	71
	do	7-25-63	6.5	--	9.5	1.1	.28	8.8	1.5	11	1.9	45	4.0	8.7	.1	.7	76	28	0	.1	6	116	6.3	55	79
	do	8-8-63	7.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/198	--	--	78
	do	9-12-63	30	--	14	2.2	.38	26	1.7	44	3.1	126	42	18	.1	1.2	c/212	72	0	--	5	346	6.6	65	68
	do	4-9-64	105	--	6.8	.06	.04	4.9	.7	6.5	1.4	11	14	5.0	.1	.3	48	15	6	--	1	67	5.8	21	50
1230.7	Shetucket River at Taftville	10-30-62	287	--	--	.28	.00	18	.7	7.1	2.1	50	14	8.5	--	--	78	48	7	--	--	110	7.9	--	47
	do	12-3-62	--	--	--	.20	.01	6.6	.9	5.6	1.3	14	11	6.8	--	--	61	20	9	--	--	82	6.0	--	38
	do	4-17-63	1,000	--	5.9	.24	.02	4.5	1.0	4.1	1.1	12	8.6	5.8	.1	.5	43	15	5	--	.0	63	6.5	13	52
	do	5-23-63	445	--	5.5	.20	.00	4.4	1.8	4.7	1.2	26	.2	6.0	.1	.0	47	19	0	--	7	62	5.6	23	67
	do	7-25-63	47	--	6.3	.27	.03	7.3	1.5	6.6	1.5	19	9.2	9.0	.2	3.6	58	24	9	.1	.4	93	6.3	11	81
	do	8-8-63	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	b/101	--	--	79
	do	9-12-63	210	--	4.2	.42	.17	9.7	1.6	15	2.4	38	14	13	.2	2.8	86	31	0	--	.0	146	6.5	7	69
	do	4-7-64	--	--	--	.22	.05	--	--	4.9	a/--	11	--	8.0	--	1.0	--	20	11	.0	--	70	6.0	15	47
1231.8	Moshapaug Pond at Moshapaug	5-20-64	--	--	4.4	.04	.00	4.6	1.0	4.7	.4	5	8.6	9.7	.0	.5	38	16	12	--	.3	62	5.9	2	--
1271.45	Taftville Reservoir at Taftville	1-9-64	--	--	.9	.06	.08	3.8	1.1	7.6	1.0	5	14	10	.1	.5	45	14	10	.0	--	77	6.4	3	45

a/ Recommended control limits: lower 0.8 ppm, optimum 1.0 ppm
b/ Field specific conductance
c/ Sum of dissolved constituents
d/ Daily mean discharge
e/ Sodium (Na) and potassium (K) calculated as Sodium (Na)

Table 9.--Chemical analyses of water samples collected during a pollution survey at high and low streamflow

Station number	Stream and location	Instantaneous discharge (cfs)	Water temperature (°F)	Parts per million							Specific conductance (micromhos at 25°C)	pH	Color	Dissolved oxygen 1/	
				Aluminum (Al)	Iron (Fe)	Manganese (Mn)	Hexavalent chromium (Cr^{+6})	Copper (Cu)	Nitrate (NO_3)	Phosphate (PO_4)	Alkyl benzene sulfonate (ABS)				ppm	% saturation
				HIGH FLOW - APRIL 7, 1964												
1192.1	Middle River near Stafford Springs	--	44	0.2	0.12	0.00	0.00	0.08	0.5	0.00	0.0	42	5.6	20	12.1	99
1192.7	Furnance Brook at Stafford	--	47	.1	.21	.00	.00	.03	.8	.00	.0	61	6.0	12	12.3	106
1192.87	Willimantic River near Stafford Springs	--	48	.1	.26	.01	.00	.08	.8	.40	.2	63	5.7	37	12.0	101
1193.8	Willimantic River at Merrow	--	46	.2	.25	.03	.00	.42	.6	.01	.1	81	4.3	17	12.0	99
1195	Willimantic River near South Coventry	500	45	.2	.24	.03	.00	.05	1.5	.18	.1	65	5.7	19	12.2	100
1200.5	Willimantic River at Willimantic	--	47	.2	.37	.07	.00	.04	1.0	.09	.1	71	5.6	17	11.5	97
1225	Shetucket River near Willimantic	2,040	47	.2	.25	.05	.00	.07	.9	.08	.0	69	6.1	15	12.0	98
1230.7	Shetucket River at Taftville	--	47	.1	.22	.05	.00	.07	1.0	.23	.0	70	6.0	15	11.5	94
				LOW FLOW - JULY 9, 1964												
1192.1	Middle River near Stafford Springs	--	67	.1	.30	.10	.00	.05	2.3	.11	.1	61	6.2	15	6.3	68
1192.34	Edson Brook at West Stafford	--	66	.1	.79	.12	.00	.04	2.1	.04	.1	64	6.7	20	5.3	56
1192.7	Furnace Brook at Stafford	--	67	.0	.23	.05	.00	.01	2.3	.06	.0	64	7.2	10	7.6	82
1192.8	Willimantic River (Right Bank) at Stafford Springs	12.6	74	.5	.87	.14	.00	.07	19	12	.1	164	6.7	17	1.9	22
1192.8	Willimantic River (Left Bank) at Stafford Springs	12.6	72	.2	.87	.15	.00	.05	10	3.4	.1	120	6.6	20	3.4	39
1192.87	Willimantic River near Stafford Springs	--	70	.2	.99	.12	.00	.09	15	2.6	.5	133	6.5	25	3.4	38
1193.5	Willimantic River at West Willington	--	68	.1	.85	.12	.00	.06	5.7	1.7	.2	114	6.3	15	5.8	63
1193.55	Willimantic River near South Willington	--	69	.1	.61	.04	.00	.04	3.9	.96	.1	113	6.6	15	6.8	75
1193.8	Willimantic River at Merrow	--	70	.0	.62	.01	.00	.03	2.1	.68	.1	99	6.7	15	7.9	88
1194.7	Willimantic River at Eagleville	--	72	.1	1.0	.05	.00	.03	6.6	1.6	.1	114	6.6	27	7.4	84
1195	Willimantic River near South Coventry	32.0	68	.0	.68	.07	.00	.03	3.5	.62	.1	105	6.7	20	7.2	78
1200.5	Willimantic River at Willimantic	--	68	.1	.58	.08	.00	.05	2.9	.44	.1	105	6.8	20	6.8	74
1220	Natchaug River at Willimantic	27.0	69	.1	.69	.18	.00	.02	1.7	.29	.0	92	7.0	10	6.6	73
1225	Shetucket River near Willimantic	132	68	.1	.66	.07	.00	.02	7.6	1.1	.1	116	6.5	25	6.6	72

1/ Field determination

Table 10.--Range in specific conductance and mean discharge of the Shetucket River near Willimantic (station 1225) for each day during the period June 21 through September 10, 1963

Date	Specific conductance (micromhos at 25°C) Maximum	Minimum	Mean discharge (cfs)	Date	Specific conductance (micromhos at 25°C) Maximum	Minimum	Mean discharge (cfs)
June 21	85	81	276	Aug. 1	198	181	71
22	86	83	286	2	198	160	82
23	83	78	265	3	168	160	75
24	90	74	248	4	153	103	81
25	91	85	177	5	142	112	73
26	87	79	158	6	174	130	64
27	102	96	145	7	180	134	71
28	103	99	150	8	157	147	56
29	103	98	189	9	157	125	73
30	98	90	240	10	135	109	68
July 1	92	82	230	11	120	110	58
2	85	82	198	12	140	117	49
3	88	80	189	13	160	131	49
4	90	85	165	14	158	125	81
5	97	90	140	15	158	131	64
6	97	90	128	16	170	135	64
7	99	90	113	17	157	121	66
8	101	91	195	18	132	105	56
9	100	90	296	19	142	113	45
10	101	90	340	20	150	113	73
11	98	87	320	21	132	100	56
12	97	94	230	22	138	128	66
13	99	92	209	23	143	123	68
14	101	90	132	24	150	130	55
15	110	100	135	25	132	115	77
16	110	93	135	26	142	108	46
17	119	101	128	27	170	150	42
18	120	106	135	28	170	121	59
19	118	103	140	29	173	145	46
20	118	100	165	30	173	162	48
21	100	97	168	31	170	128	61
22	116	97	148	Sept. 1	132	115	55
23	108	100	162	2	126	112	64
24	115	96	125	3	151	120	42
25	113	102	128	4	170	152	42
26	129	108	108	5	170	132	56
27	130	102	99	6	170	146	46
28	150	103	94	7	163	137	49
29	199	111	50	8	151	115	53
30	206	137	90	9	135	113	56
31	181	137	82	10	169	114	88

Table 11.--Chemical analyses of water from wells and springs

Water-yielding units: Units are given as till, stratified drift and bedrock. For well locations see Table 1.

Well or spring number	Water-yielding unit	Date of collection	Parts per million													Hardness as CaCO3		Specific conductance (micromhos at 25°C)	pH	Water temperature (°F)
			Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (calculated)	Calcium, magnesium	Noncarbonate			
U.S. Public Health Service drinking-water standards		(recommended upper limit):	--	0.3	0.05	--	--	--	--	--	250	250	[a]/1.3	45	[b]/500	--	--	--	--	--
									Town of Andover											
Ar 11	Bedrock	3-23-64	12	.00	.00	34	6.6	[c]/28	--	49	25	71	.1	7.4	208	112	72	360	7.4	52
									Town of Ashford											
Af 8	Bedrock	4-14-64	19	.04	.02	22	10	[c]/5.8	--	59	5.8	8.8	.2	51	152	96	48	240	7.5	53
Af 9	Bedrock	3-22-64	28	.07	.15	19	4.0	[c]/7.4	--	68	17	4.0	.3	.4	113	64	9	159	8.0	46
Af 10	Bedrock	4-14-64	21	.02	.00	27	3.8	[c]/6.0	--	82	9.4	3.8	.0	17	128	83	16	198	7.5	52
Af 12	Bedrock	5-20-64	22	1.5	.01	16	3.9	[c]/6.7	2.1	57	20	4.0	.3	.0	[b]/105	56	10	153	7.3	53
Af 13	Bedrock	4-15-64	19	.22	.09	28	13	[c]/9.0	--	72	12	13	.2	63	192	122	63	299	7.8	55
									Town of Bolton											
Bo 6	Bedrock	4-16-64	28	4.7	.08	9.0	2.3	[c]/7.6	--	26	20	4.2	.0	.2	84	32	10	106	7.5	50
Bo 7	Bedrock	3-18-64	13	.05	.01	29	4.3	[c]/5.5	--	85	20	7.0	.0	1.7	122	90	21	205	7.4	50
Bo 8	Stratified drift	6-25-64	11	.33	.01	14	5.6	20	1.9	14	6.6	63	.1	.3	129	58	46	250	7.0	62
									Town of Canterbury											
Cy 83	Bedrock	1-16-63	29	.25	.29	13	3.0	9.1	1.1	67	--	--	--	.0	[b]/92	51	0	140	6.6	51
Cy 87	Bedrock	1-16-63	15	.05	.03	3.2	1.0	4.4	.9	15	--	--	--	2.1	[b]/36	12	0	54	6.9	52
									Town of Chaplin											
Cp 3	Bedrock	3-24-64	13	.04	.95	21	.9	[c]/6.2	--	56	12	4.0	.1	6.2	91	56	10	143	7.2	55
Cp 4	Bedrock	3-26-64	29	.18	.08	37	6.0	[c]/5.8	--	100	31	9.0	.1	2.4	169	117	35	264	7.4	55
									Town of Columbia											
Clb 9	Bedrock	3-24-64	19	.06	.03	34	9.2	[c]/6.9	--	32	50	40	.0	4.6	180	123	97	316	6.3	52
Clb 10	Bedrock	3-30-64	16	.19	.00	11	1.6	[c]/5.5	--	20	19	4.1	.0	4.6	72	34	18	101	6.6	52
Clb 11	Bedrock	3-30-64	21	.04	.00	20	1.5	[c]/8.5	--	64	12	6.3	.1	.2	102	56	4	144	7.3	55
Clb 12	Stratified drift	5-25-64	6.8	.35	.89	14	1.2	[c]/6.2	--	30	14	7.0	--	5.8	70	40	16	112	7.2	46
Clb 13	Stratified drift	6-24-64	14	.14	.01	16	1.9	14	2.5	32	12	25	.1	7.2	109	48	22	180	6.7	--
Clb 14	Stratified drift	6-25-64	10	.23	.02	11	.6	[c]/4	--	48	9.6	3.9	2.0	.1	75	30	0	119	7.3	59
do	do	10-22-64	10	--	--	11	.8	--	--	48	--	3.7	1.9	1.1	--	31	0	118	7.6	54
									Town of Coventry											
Cv 1 [d]	Bedrock	10-19-64	13	.44	.03	7.0	1.1	[c]/5.5	--	24	9.8	3.0	.1	.8	52	22	2	69	7.2	50
Cv 2 [d]	Bedrock	--	--	--	--	--	--	--	--	--	--	--	1.5	--	--	--	--	--	--	--
Cv 21 [d]	Bedrock	--	--	--	--	--	--	--	--	--	--	--	.4	--	--	--	--	--	--	--
Cv 21 & 22 [d]	Bedrock	7-18-63	14	.03	.01	48	2.4	21	4.2	104	22	50	.4	5.1	[b]/235	130	45	390	6.9	59
Cv 22 [d]	Bedrock	--	--	--	--	--	--	--	--	--	--	--	.7	--	--	--	--	--	--	--
Cv 23 [d]	Bedrock	7-18-63	9.6	.54	.04	32	2.9	42	7.6	49	19	88	.1	11	236	92	52	436	6.2	65
do [d]	do	--	--	--	--	--	--	--	--	--	--	--	.4	--	--	--	--	--	--	--
Cv 24	Bedrock	3-23-64	21	.05	.00	22	4.4	[c]/8.0	--	39	49	4.8	.2	.2	129	73	41	195	6.7	52
Cv 26 [d]		2-15-63	--	--	--	--	--	--	--	--	--	--	.8	--	--	--	--	--	--	--
do [d]	do	2-21-63	--	.1	--	--	--	--	--	66	--	3.0	.8	--	--	54	0	--	7.9	--
do [d]	do	3-6-63	--	.1	--	--	--	--	--	63	--	2.0	.9	--	--	56	7	--	7.6	--
Cv 27	Bedrock	5-25-64	22	.04	--	14	.7	[c]/8.0	--	43	13	4.2	.1	.4	83	38	3	111	7.2	--
Cv 28	Bedrock	10-19-64	14	.02	.01	8.8	1.9	[c]/8.0	--	36	14	2.0	.2	.1	67	30	0	86	7.2	45
Cv 29	Bedrock	4-16-64	18	.00	.00	5.7	1.4	[c]/5.3	--	29	3.4	2.7	.0	.1	51	20	0	60	7.4	48
Cv 30	Bedrock	3-18-64	14	.03	.00	20	4.9	[c]/11	--	65	31	3.0	1.5	.7	118	70	17	200	7.3	53
Cv 31	Bedrock	10-19-64	20	.05	.08	12	2.4	[c]/11	--	58	12	2.1	.4	.0	88	40	0	119	7.8	54
Cv 32	Stratified drift	6-9-64	17	--	--	22	4.9	[c]/14	--	30	25	15	.0	42	155	75	50	229	6.9	62
									Town of Eastford											
Ed 1sp [f]	Stratified drift	8-4-63	--	--	--	4.0	1.0	7.5	1.7	13	5.8	10	--	--	--	14	4	73	6.0	54
									Town of Ellington											
El 58	Bedrock	3-24-64	11	.15	.01	7.0	4.0	[c]/4.8	--	11	12	16	.1	.2	60	34	25	99	6.0	54
									Town of Franklin											
Fr 4	Bedrock	6-15-64	6.3	.09	.05	4.8	1.4	[c]/6.4	--	3	13	8.8	.1	3.9	46	18	16	70	5.3	--

Table 11.--Chemical analyses of water from wells and springs (Cont.)

Well spring number	Water-yielding unit	Date of collection	Parts per million: Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (calculated)	Hardness as CaCO3: Calcium, magnesium	Hardness as CaCO3: Noncarbonate	Specific conductance (micromhos at 25°C)	pH	Water temperature (°F)
U.S. Public Health Service drinking-water standards		(recommended upper limit):	--	0.3	0.05	--	--	--	--	--	250	250 [a]	1.3	45	[b] 500	--	--	--	--	--
Town of Hampton																				
Hp 6	Bedrock	3-28-64	25	.84	.16	36	5.6	[c] 12	--	83	49	14	.0	.0	183	113	45	283	7.0	50
Hp 14	Bedrock	6-15-64	18	.08	.04	20	2.9	[c] 15	--	76	19	7.8	.5	.2	[b] 120	62	0	192	7.5	--
Hp 16	Bedrock	1-16-63	26	.26	.00	11	2.1	6.2	3.0	14	--	--	--	8.9	[b] 96	36	25	132	6.1	43
Town of Hebron																				
Hb 8 [d]	Stratified drift	2-18-60	--	.1	--	--	--	--	--	23	--	5.8	--	--	--	58	--	--	6.4	--
Town of Lebanon																				
Lb 10	Bedrock	3-17-64	21	.07	.03	13	2.8	[c] 8.5	--	42	13	9.5	.1	.7	90	44	10	130	6.4	53
Town of Lisbon																				
Ls 9	Bedrock	1-15-63	18	.22	.00	4.8	1.0	5.6	1.7	30	--	--	--	1.1	[b] 49	16	0	64	6.8	51
Town of Mansfield																				
Ms 6	Bedrock	3-30-64	16	.12	.05	8.8	4.4	[c] 6.0	--	30	20	4.5	.0	1.0	76	40	16	111	6.5	54
Ms 22	Bedrock	6-29-64	17	.03	.00	15	1.6	[c] 7.8	--	51	8.4	5.8	1.0	.3	82	44	2	118	7.0	51
Ms 24	Stratified drift	5-28-64	13	--	--	13	4.5	[c] 9.2	--	22	27	14	.1	6.9	99	51	33	155	6.2	54
Ms 25 [a]	Stratified drift	7-24-64	13	.00	.00	10	1.8	6.0	2.0	25	13	6.0	1.0	2.8	[b] 68	33	12	114	6.3	59
Ms 26	Bedrock	5-26-64	15	.10	.00	14	2.4	[c] 10	--	40	17	9.0	.2	4.6	92	45	12	128	7.5	51
Ms 27	Bedrock	4-16-64	11	.01	.00	5.4	1.6	[c] 3.7	--	18	6.2	4.5	.0	.1	41	20	5	60	7.0	53
Ms 28	Bedrock	4-16-64	9.9	.02	.00	4.2	.4	[c] 3.4	--	11	6.2	3.0	.0	.3	33	12	3	42	7.1	57
Ms 30	Bedrock	3-26-64	27	3.3	.03	35	5.0	[c] 7.1	--	93	22	17	.1	.2	159	108	32	258	7.2	52
Ms 31	Bedrock	4-16-64	13	.01	.00	42	4.0	8.0	1.5	92	6.0	34	.6	7.8	162	121	46	291	7.8	55
Ms 32	Bedrock	6-26-64	17	.16	.00	14	1.2	[c] 6.4	--	46	6.6	4.2	1.3	.3	74	40	2	106	7.1	--
Ms 33	Stratified drift	1-10-64	11	.00	.00	6.6	1.8	3.8	.7	18	8.2	7.4	.0	.4	[b] 52	24	9	73	6.9	50
Ms 34	Stratified drift	1-10-64	12	.00	.00	6.4	1.0	3.4	.9	16	7.4	6.0	.0	.5	46	20	7	65	6.9	49
Ms 35	Stratified drift	1-10-64	12	.00	.01	6.0	1.2	4.2	.8	18	6.8	5.3	.1	.6	[b] 47	20	5	60	6.7	49
Ms 36	Stratified drift	1-10-64	14	.04	.03	12	2.4	7.0	3.9	28	12	12	.0	12	[b] 94	40	17	136	6.5	50
Town of Norwich																				
Nwh 31	Bedrock	3-28-64	15	.23	.00	9.6	3.9	[c] 7.8	--	12	36	5.8	.0	1.7	[b] 86	40	30	128	6.2	51
Nwh 37	Stratified drift	1-9-64	9.4	.01	.02	8.8	1.5	7.8	1.6	14	7.2	12	.0	15	[b] 78	28	17	112	6.8	51
Nwh 38	Bedrock	1-9-64	15	.06	.01	11	2.1	5.7	1.8	31	7.8	8.0	.0	8.0	[b] 78	36	11	109	6.9	52
Town of Pomfret																				
Po 66	Till	1-16-63	34	.04	.00	11	3.0	5.8	1.0	42	--	--	--	5.5	[b] 80	40	6	124	7.7	46
Po 77	Bedrock	1-16-63	15	.11	.00	18	2.4	6.5	9.2	53	--	--	--	12	122	55	12	186	6.9	55
Town of Scotland																				
Sc 16	Bedrock	3-19-64	29	.53	.04	18	1.7	[c] 13	--	52	24	8.3	.2	.2	120	52	10	157	7.0	46
Sc 17	Bedrock	3-28-64	27	7.6	.00	14	4.1	[c] 9.9	--	18	26	22	.2	.0	112	52	37	168	6.1	52
Sc 18	Bedrock	3-28-64	17	.02	.00	18	1.5	[c] 20	--	86	17	3.6	.2	.1	119	51	0	183	7.5	52
Town of Sprague																				
Sp 1	Bedrock	3-28-64	8.8	.25	.01	9.2	4.6	[c] 6.0	--	9	32	9.8	.0	.1	75	42	35	119	5.9	54
Sp 6	Bedrock	3-19-64	14	.10	.01	21	5.5	[c] 7.8	--	27	58	6.8	.0	.3	126	75	53	204	6.2	49
Sp 7	Bedrock	10-19-64	16	.10	.07	10	1.7	[c] 10	--	30	22	4.6	.1	.1	80	32	8	107	7.1	55
Sp 8	Bedrock	3-24-64	15	.03	.03	18	4.6	[c] 8.0	--	11	62	4.8	.3	.0	118	64	55	183	5.7	45
Town of Stafford																				
Stf 1	Bedrock	8-27-57	--	2.7	--	--	--	--	--	16	--	--	--	--	--	17	4	63	6.1	58
Stf 17 [b]	Bedrock	2-15-62	--	9.4	--	--	--	--	--	31	34	41	--	--	--	29	--	--	6.2	--
Stf 18 [f]	Stratified drift	10-15-57	--	34	--	--	--	--	--	95	--	--	--	--	--	78	--	--	6.1	--
Stf 19 [f]	Stratified drift	10-15-57	--	32	--	--	--	--	--	141	--	--	--	--	--	80	--	--	6.6	--
Stf 20	Bedrock	3-25-64	--	.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	56
Stf 21	Bedrock	6-10-64	23	5.0	.14	4.2	1.3	[c] 7.8	--	8	20	3.6	.1	.2	64	16	10	71	6.0	--

Table 11.--Chemical analyses of water from wells and springs (Cont.)

Well or spring Number	Water-yielding unit	Date of collection	Parts per million													Hardness as $CaCO_3$		Specific conductance (micromhos at 25°C)	pH	Water temperature (°F)
			Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (calculated)	Calcium, magnesium	Non-carbonate			
U.S. Public Health Service drinking-water standards		(recommended upper limit):	--	0.3	0.05	--	--	--	--	--	250	250	[a/]1.3	45	[b/]500	--	--	--	--	--
Town of Tolland																				
To 5	Bedrock	5-21-64	21	.03	.00	7.1	1.6	5.9	.7	27	9.8	3.7	.1	1.8	[b/]65	24	2	85	6.6	54
Town of Union																				
U 4	Bedrock	3-24-64	22	.14	.00	8.0	1.9	[c/]19	--	36	28	7.0	.1	.0	104	28	0	133	6.9	52
U 5	Bedrock	6-15-64	11	.94	--	30	14	28	1.9	46	14	107	.1	.8	230	132	94	461	6.7	--
Town of Willington																				
Wg 3	Bedrock	4-15-64	19	.02	.00	26	8.5	[c/]12	--	71	19	12	.2	38	170	100	42	262	7.4	54
Wg 4	Bedrock	3-25-64	19	.07	.00	3.7	2.2	[c/] 4.8	--	20	8.2	2.0	.1	.0	50	18	2	53	6.5	53
Wg 5	Bedrock	5-16-64	10	.01	.00	4.0	.7	[c/] 3.0	--	13	4.2	2.3	.5	.2	31	13	2	42	7.1	54
Town of Windham																				
Wil 1	Bedrock	3-30-64	--	.09	.00	18	2.3	[c/] 8.0	--	50	21	5.5	.0	.1	91	54	13	149	7.0	50
Wil 4a	Stratified drift	5-17-64	22	.18	.00	29	4.2	[c/]13	--	50	27	17	.1	30	[b/]167	90	49	260	7.2	49
Wil 5	Bedrock	10-25-54	13	.09	.00	19	5.1	4.4	3.2	39	30	5.8	.7	15	[b/]114	69	37	178	6.9	56
Wil 10	Bedrock	3-17-64	17	.02	.03	32	3.4	[c/]12	--	61	33	8.8	.0	27	163	94	44	244	7.0	45
Wil 12	Bedrock	3-17-64	24	.13	.01	17	4.7	[c/]12	--	35	20	23	.0	8.6	126	62	34	198	6.6	60
Wil 15	Bedrock	1-6-64	15	.06	.00	9.6	2.2	[c/] 6.4	--	23	8.8	10	.1	5.7	69	33	14	104	6.5	54
Wil 16	Bedrock	1-6-64	18	.06	.00	8.8	2.2	[c/]10	--	20	18	11	.2	2.2	80	31	15	97	6.2	50
Wil 29	Bedrock	9-12-63	13	.33	.12	13	2.3	6.9	2.4	34	18	9.1	--	--	82	42	14	135	6.8	56
Wil 30	Bedrock	1-13-63	16	.04	.25	10	1.9	9.0	3.0	28	11	15	--	--	80	33	10	131	6.2	--
Wil 31	Stratified drift	4-2-64	11	.17	.00	8.2	2.8	[c/] 9.9	--	13	9.6	22	--	2.2	72	32	22	120	6.1	52
Wil 37	Bedrock	3-17-64	15	.05	.01	18	1.2	[c/]10	--	62	13	2.8	1.6	.0	93	50	0	143	8.0	43
Wil 38	Bedrock	3-23-64	20	.00	.07	16	1.0	[c/] 7.6	--	47	14	4.0	.1	1.9	88	44	6	112	7.6	54
Wil 39	Bedrock	3-23-64	13	.06	.05	20	2.4	[c/]44	--	34	17	70	.1	15	198	60	32	357	6.3	48
Wil 42	Bedrock	5-6-64	16	.14	.03	14	2.2	[c/] 4.4	--	28	14	7.0	.0	7.7	79	44	21	118	6.8	56
Wil 44	Bedrock	9-10-63	19	2.7	.26	7.3	1.5	6.2	1.2	28	6.2	6.8	--	--	62	24	1	80	6.3	--
Wil 1sp [j/]	Stratified drift	8-4-63	--	--	--	4.0	1.0	7.5	1.7	13	5.8	10	--	--	--	14	4	73	6.0	54
Wil 2sp [k/]	Stratified drift	8-6-63	--	--	--	18	2.7	9.2	3.0	24	18	25	--	--	--	56	37	195	6.3	49
Town of Woodstock																				
Wk 18	Bedrock	3-24-64	13	.06	.01	13	3.3	[c/] 9.7	--	29	13	15	.1	9.8	[b/] 91	46	22	145	6.6	52
Wk 23 [l/]	Bedrock	1-16-63	32	3.3	.04	20	2.4	6.4	2.9	72	--	--	--	.0	[b/]123	60	1	172	7.1	41
Wk 27	Bedrock	1-16-63	20	.41	.26	60	14	50	3.3	197	--	--	--	1.9	401	210	49	617	7.6	44
Wk 60	Bedrock	4-8-64	19	1.6	.07	35	8.4	[c/]23	--	123	62	3.1	.4	.0	212	122	21	340	7.6	49
Wk 69	Bedrock	1-16-63	24	.07	.01	11	2.6	8.8	.8	50	--	--	--	.0	[b/] 89	38	0	123	7.6	46
Wk 206	Bedrock	3-25-64	16	.03	.00	45	11	[c/]10	--	54	28	73	.5	.2	211	156	112	388	6.9	56

[a/] Recommend control limits: lower - 0.8 ppm, optimum - 1.0 ppm
[b/] Dissolved solids residue on evaporation at 180°C
[c/] Sodium (Na) and potassium (K) calculated as Sodium (Na)
[d/] Chemical analyses by Connecticut State Health Department
[e/] Sample collected after chlorination
[f/] Location: 415043N720540.1, measured flow: 4.0 gpm, date measured 8-4-63
[g/] Sample collected after chlorination and fluoridation
[h/] Chemical analyses by Stover Water Softener Co., St. Charles, Illinois
[i/] Chemical analyses by Henry Souther Company
[j/] Location: 414337N721209.1, known locally as "Park Spring", popular in the region as a source of additional household supplies during the summer months. During 1963-64 weekly measurements of flow ranged from 1.8 gpm (Sept. and Oct., 1963) to 12.0 gpm (June 1964), and temperatures ranged from 45°F (July, 1964) to 51°F (Feb., 1964)
[k/] Location: 414459N720946.1, estimated flow: less than 3 gpm on 8-4-63
[l/] Located in Quinebaug River basin. For record, see table 1 in Thames and others (1966)

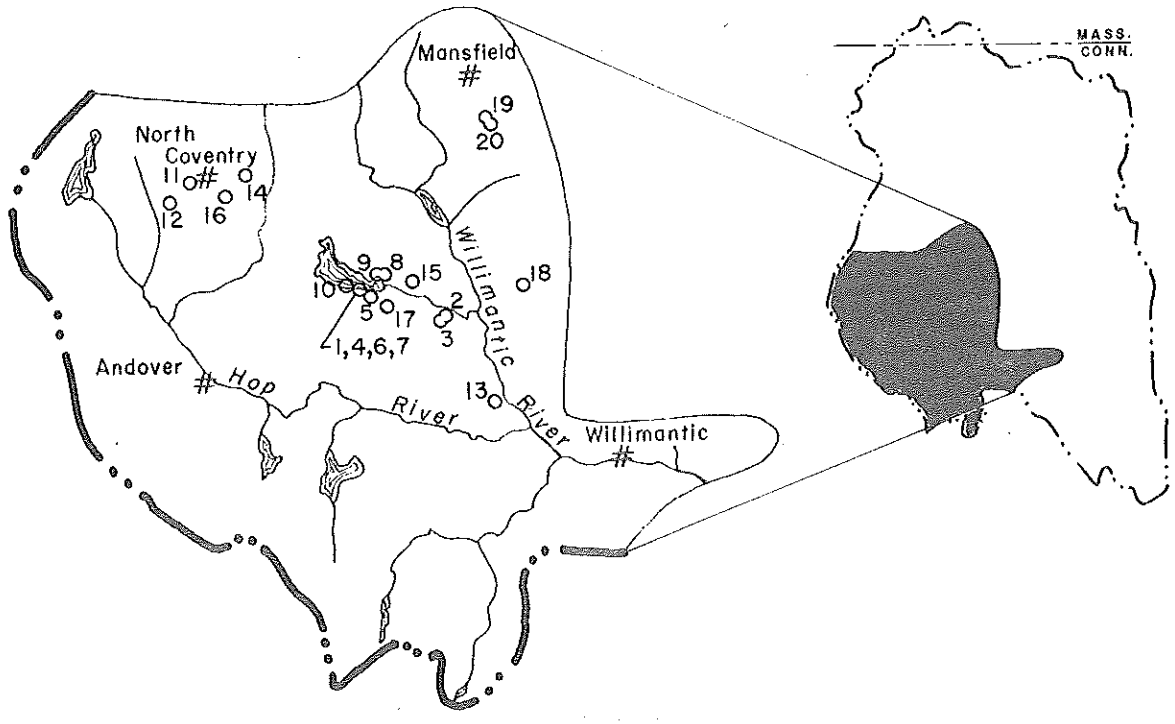
Table 12.--Chemical analyses of water from test holes in stratified drift

Test hole number	Date of collection	Parts per million									Specific conductance (micromhos at 25°C)	pH	Water temperature (°F)
		Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as CaCO3: Calcium, magnesium	Hardness as CaCO3: Non-carbonate			
Town of Chaplin													
Cp 5a th	8-29-63	3.4	0.9	5.0	2.2	18	8.2	2.1	12	0	59	7.3	--
Cp 7 th	9-18-63	--	--	--	--	--	--	--	--	--	510	--	56
Town of Columbia													
Clb 1 th	9-27-63	--	--	--	--	--	--	--	--	--	360	--	52
Town of Coventry													
Cv 2 th	9-23-63	--	--	--	--	--	--	--	--	--	169	--	53
Cv 3 th	9-24-63	--	--	--	--	--	--	--	--	--	71	--	58
Cv 6 th	9-26-63	--	--	--	--	--	--	--	--	--	222	--	58
Town of Eastford													
Ed 1a th [a/]	9-18-63	--	--	--	--	--	--	--	--	--	180	--	59
Ed 3 th	9-20-63	--	--	--	--	--	--	--	--	--	42	--	55
Town of Hampton													
Hp 1 th	9-19-63	--	--	--	--	--	--	--	--	--	172	--	--
Hp 3 th	9-20-63	--	--	--	--	--	--	--	--	--	95	--	57
Town of Mansfield													
Ms 1 th	8-22-63	20	6.1	8.7	3.3	19	--	41	75	60	227	6.8	--
Ms 3 th	8-23-63	4.0	1.0	4.4	1.8	3	14	6.6	14	12	62	6.3	--
Ms 5 th	8-25-63	11	2.8	8.4	3.6	30	22	9.4	39	15	138	6.7	--
Ms 9 th	9-24-63	--	--	--	--	--	--	--	--	--	280	--	58
Ms 12 th	9-25-63	--	--	--	--	--	--	--	--	--	548	--	--
Ms 13 th	10-4-63	2.6	.4	3.3	1.8	13	2.8	2.8	8	0	40	7.2	48
Town of Stafford													
Stf 5 th [b/]	10-1-63	21	6.2	48	6.0	11	17	119	78	69	456	6.3	55
Town of Windham													
Wil 10a th	8-27-63	6.3	2.1	12	8.2	21	26	--	24	7	138	7.3	--
Wil 14 th	10-14-63	--	--	--	--	--	--	--	--	--	109	--	49
Wil 16 th	10-15-63	--	--	--	--	--	--	--	--	--	266	--	51
Wil 17 th	10-15-63	--	--	--	--	--	--	--	--	--	70	--	52

a/ Total depth, 8 ft. See table 3 for record of Ed 1b th, 8 ft west of Ed 1a th.
b/ Total depth, 11 ft. See table 3 for record of Stf 4 th, 100 ft west of Stf 5 th.

Table 13.--Connecticut State Department of Health fluoride analyses of ground water in the southwestern part of the Shetucket River basin

Map Number	USGS Well Number	Owner	Fluoride (ppm)
1	--	Lake View Terrace	1.2
2	--	Lake View Terrace	1.4
3	--	Lake View Terrace	1.4
4	--	Lake View Terrace	.8
5	Cv2	Lake View Terrace Supply Company	1.5
6	--	Lake View Terrace Supply Company	.8
7	--	Lake View Terrace Supply Company	0.6-2.2
8	Cv22	South Coventry Supply Company	.7
9	Cv21	South Coventry Supply Company	.4
10	--	Hank Keene, Lakewood Heights	.6
11	--	Coventry Manor	.6
12	Cv26	Surburban Home Construction Corporation	.8
13	--	Walter F. Hitgen	.8
14	--	Charles C. White	.8
15	Cv23	Center School	.4
16	--	Grammar School	.6
17	--	Robertson School	2.0
18	--	Hardwood Acres	.6
19	--	Orchard Acres, Incorporated	.6-.7
20	--	Orchard Acres, Incorporated	.6-.7



MAP SHOWING LOCATION AND MAP NUMBER OF SITE SAMPLED