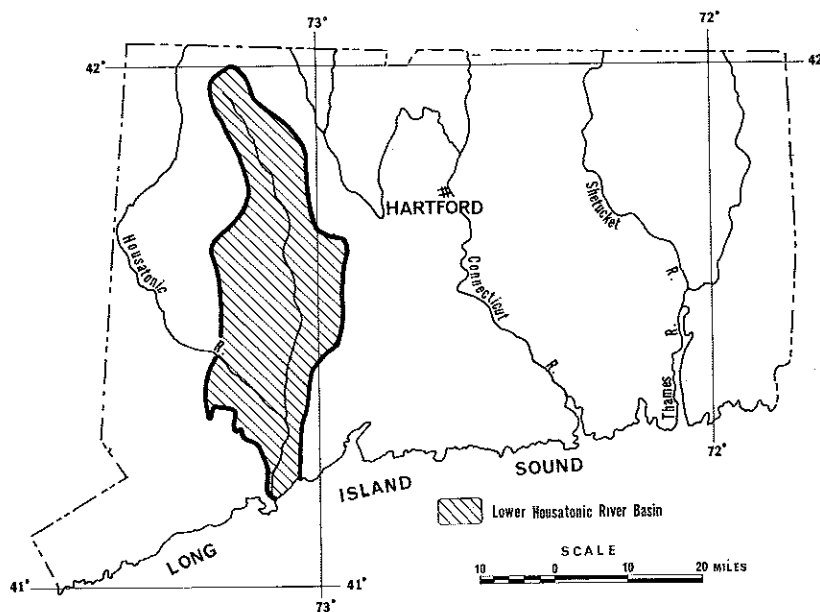


STATE OF CONNECTICUT
WATER RESOURCES COMMISSION

HYDROGEOLOGIC DATA FOR THE LOWER HOUSATONIC RIVER BASIN, CONNECTICUT

By
I.G. Grossman and William E. Wilson
U.S. Geological Survey



Prepared by the
U. S. GEOLOGICAL SURVEY
in cooperation with the
CONNECTICUT WATER RESOURCES COMMISSION

CONNECTICUT WATER RESOURCES BULLETIN NO.20

1970

STATE OF CONNECTICUT
WATER RESOURCES COMMISSION

Hydrogeologic data for the
lower Housatonic River basin,
Connecticut

By
I. G. Grossman
and
William E. Wilson
U.S. Geological Survey

Prepared by the
U.S. Geological Survey
in cooperation with the
Connecticut Water Resources Commission

CONNECTICUT WATER RESOURCES BULLETIN NO. 20

1970

CONTENTS

	Page
Introduction	1
Ground-water data	1
Well- and test hole-numbering and location systems	3
Surface-water data	3
Numbering system for stations on streams	3
Quality of water	6
Selected references	7

ILLUSTRATIONS

Map showing location of lower Housatonic River basin	(front cover)
Plate A. Map showing data-collection sites	(back pocket)
Figure 1. Sketch illustrating location system for wells and test holes	4
2. Index map showing areas covered by sheets 1, 2 and 3 of plate A	(facing back pocket)

TABLES

Table 1. Records of wells	8
2. Logs of selected wells	17
3. Logs of test holes	21
4. Laboratory analyses of stratified-drift samples	43
5. Records of pumping tests of wells	46

INTRODUCTION

This report contains hydrologic and geologic data collected for an investigation of the lower Housatonic River basin by the U.S. Geological Survey in financial cooperation with the Connecticut Water Resources Commission. The report also summarizes data that are available in other publications. The towns within the 557 square mile area of the basin in western Connecticut include all of Beacon Falls, Middlebury, Naugatuck, Oxford, Seymour, Thomaston, Waterbury, Watertown, and Woodbury; and parts of Ansonia, Bethany, Bethlehem, Bristol, Burlington, Cheshire, Derby, Easton, Goshen, Harwinton, Litchfield, Milford, Monroe, Morris, New Hartford, Newtown, Norfolk, Orange, Plymouth, Prospect, Roxbury, Shelton, Southbury, Stratford, Torrington, Trumbull, Washington, Winchester, Wolcott, and Woodbridge. The factual information on the following pages was the basis for a companion interpretive report, Connecticut Water Resources Bulletin No. 19 (Wilson, W. E., and others, in preparation, 1970). The basic-data report can be used alone for detailed information needed in planning water resources development at specific sites or it can be used to supplement the interpretive report.

Data were collected for this investigation from 1965 to 1967. Water levels measured in wells as part of this investigation were published in Connecticut Water Resources Bulletin No. 7 (Meikle and Baker, 1965) and No. 13 (Meikle, 1967) with water-level data from other wells throughout the State. Publications containing relevant ground-water information are listed on page 2, those concerned with streamflow are on page 5 and those on quality of water, are on page 6.

The locations of sites at which data were collected are shown on plate A in the back pocket of this report. Data presented here were collected by the U.S. Geological Survey unless otherwise noted.

GROUND-WATER DATA

Most of the information in tables 1 through 5 was collected from 1965 to 1967. The tables include records of 261 wells and logs of 85 wells and 456 test holes. The depth of a well in table 1 may differ slightly from its depth in table 2 because its finished depth may be shallower than the maximum depth penetrated or, more rarely, its finished depth differs from that of a nearby test well used for a log. Publications containing measurements published prior to this study are listed on the following page.

Publications containing ground-water data for the lower Housatonic River basin.

Publication date and number as indicated. WSP, Water-Supply Paper of U.S. Geological Survey; WRDC, Water Resources Data for Connecticut, of the U.S. Geol. Survey; CWRB, Conn. Water Resources Bull.; CGWSB, Conn. Ground-water survey Bull. Publications may include other towns or areas in State not named in "Remarks".

Publication Date	No.	Well records	Ground- water levels	Remarks
1904	WSP 102	X		Includes a few springs.
1905	WSP 149	X		Two wells only.
1909	WSP 232	X		Includes a few springs.
1916	WSP 397	X		Includes wells and springs in Waterbury.
1921	WSP 466	X		Includes wells and springs in Harwinton, Plymouth, Prospect and Wolcott.
1925	WSP 537	X		Includes wells and springs in Milford.
1928	WSP 540	X		Includes wells and springs in Bethany, Orange, Milford and Woodbridge.
1929	WSP 597-B	X	X	Includes wells and springs in Bethlehem, Southbury and Woodbury.
1947	WSP 1016		X	
1948	WSP 1023		X	
1949	WSP 1071		X	
1951	WSP 1096		X	
1951	WSP 1126		X	
1952	WSP 1156		X	
1953	WSP 1165		X	
1954	WSP 1191		X	
1955	WSP 1221		X	
1956	WSP 1265		X	
1956	WSP 1321		X	
1957	WSP 1404		X	
1965	WSP 1499-J	X		Wells in Waterbury-Bristol area.
1960	WSP 1537		X	Compilation 1956-57.
1965	WSP 1782		X	Compilation 1958-62.
1938	CGWSB 1	X	X	Includes wells and springs in Stratford.
1938	CGWSB 3	X	X	Includes wells and springs in Bethany, Milford, Orange and Woodbridge.
1938	CGWSB 6		X	
1940	CGWSB 7		X	
1961	CWRB 1	X	X	Includes wells and springs in Stratford.
1961	CWRB 2		X	
1965	CWRB 6	X		
1965	CWRB 7		X	
1967	CWRB 13		X	

WELL- AND TEST HOLE-NUMBERING AND LOCATION SYSTEMS

Each well and test hole inventoried by the U.S. Geological Survey in Connecticut 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; prefix letters are used to designate the town name and suffix letters "th" indicate test holes. In the following tables, wells and test holes are arranged alphabetically by town name and in order by serial number within each town. On plate A however, the number appears without the prefix letters because town names and boundaries are shown on the map; similarly the suffix letters "th" are omitted from test holes because distinctive symbols identify them.

Following the "town" well number in each table is a number used to aid in locating wells and test holes on the map. The first 6 digits of this location number are degrees, minutes, and seconds of latitude at the site of a well or test hole, followed by a letter N to indicate that the latitude is north of the equator; the next 7 digits are degrees, minutes, and seconds of longitude. These digits define a tract of land having dimensions of one second of latitude and longitude measuring about 100 x 75 feet. The last digit, following the decimal place, indicates whether the well or test hole referred to is the 1st, 2nd, 3rd, etc. inventoried within this 1-second rectangle. This system is illustrated on figure 1 for well An 20. A 5-minute grid printed on plate A provides a basis for scaling the locations of wells and test holes.

SURFACE-WATER DATA

Plate A includes the location of 14 continuous-record sites, 26 partial-record sites, and 1 supplemental site where measurements of streamflow were made during the period 1965 to 1967. Information for the continuous-record and partial-record sites is included in "Surface Water Records of Connecticut" and "Water Resources Data for Connecticut"; and for the supplemental site, in the companion interpretive report.

Partial records of streamflow discharge measurements collected at gaging stations within the report area in the period 1965 to 1967 were augmented by stage measurements. Stages were measured corresponding to the discharges measured, and the relationship between stage and discharge was used to compute discharge at times when only the stage was measured. Measured and computed discharge are used in the companion interpretive report.

NUMBERING SYSTEM FOR STATIONS ON STREAMS

An identification 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 identification number is followed by the name of the stream and the name of the nearest community.

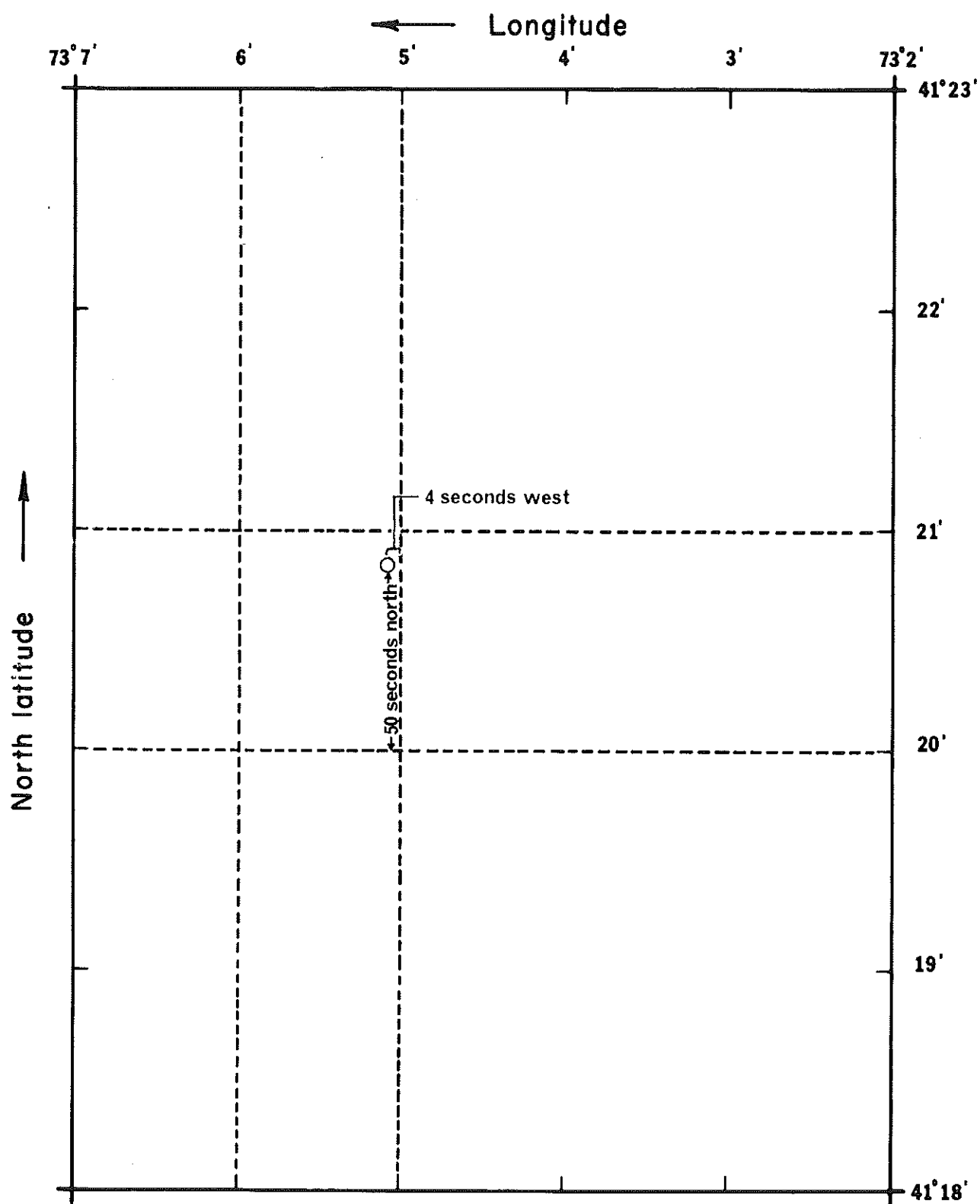


Figure 1 - Sketch illustrating location of well An 20 (table 1)
The location number is 412050N0730504.1

Streamflow records from stations in the report area have been published with data from streamflow stations throughout the State principally, though not exclusively, in a series of U.S. Geological Survey Water-Supply reports as indicated below.

Publications containing streamflow measurements
in the lower Housatonic River basin.

Includes data outside the lower Housatonic River basin. Collected 1913-66 and published by year of data collection as U.S. Geological Survey Water-Supply Papers, as numbered, unless otherwise indicated.

Year	Number	Year	Number	Year	Number	Year	Number
1913	351	1932-33	771 <u>1/</u>	1942	951, 1171	1955	1420 <u>1/</u>
1914	381	1933	741, 1171, 1201	1943	971, 1171	1956	1431, 1501
1915	401	1934	756, 1171, 1201, 1331	1944	1001, 1171	1957	1501, 1551
1916	431	1935	781, 1171	1945	1031, 1171, 1331	1958	1551
1918	1171	1936	801, 821, 1171, 1331	1946	1051, 1171	1959	1621
1919-20	1171	1936	798 <u>1/</u>	1947	1081, 1171	1960	1701
1921	1171	1937	821, 1171	1948	1111, 1171	1960	1721 <u>4/</u>
1922	1171	1937	847 <u>1/</u> <u>2/</u>	1949	1141, 1171, 1331	1961	1901
1923	1171	1938	851, 1171 1131	1950	1171	1962	1901
1924	1171	1938	867 <u>1/</u>	1950	1301 <u>3/</u>	1963	1901
1927	636-c <u>1/</u>	1938	966 <u>1/</u>	1951	1201	1964	1901
1928	661, 1171	1939	871, 1111, 1171	1952	1231	1965	<u>5/</u>
1929	681, 1171	1940	891, 1171	1953	1271	1966	<u>5/</u>
1930	696, 1171	1941	921, 1171	1954	1331	1967	<u>5/</u>
1931	711, 1171			1955	1381	1968	<u>5/</u>
1932	726, 741, 1171						

1/ Stage discharge data for major floods.

2/ Through Dec. 31, 1937.

3/ Compilation through 1950.

4/ Compilation 1950 to 1960.

5/ "Water Resources Data for Connecticut".

QUALITY OF WATER

The chemical analyses forming the basis for this study have been published elsewhere by the U.S. Geological Survey or by cooperating agencies, principally the State Water Resources Commission. The following table summarizes the principal publications, the kind of data, and other relevant information.

Publications containing quality-of-water data in the lower Housatonic River basin.

Publication date and number as indicated; WSP, Water-Supply Paper of the U.S. Geological Survey; CWRB, Conn. Water Resources Bull.; WRDC, Water Resources Data for Connecticut. Not necessarily restricted to towns or areas named in "Remarks".

Date	Publication No.	Ground water		Surface water		Precip. Chem. anal.	Remarks
		Chem. anal.	Temp.	Chem. anal.	Temp.		
	WSP 1299	X		X	X		Public supplies only.
	WSP 1350			X			
	WSP 1450			X			
	WSP 1499-J	X	X	X			Waterbury-Bristol area.
	WSP 1571			X	X		
	WSP 1741			X			
	WSP 1812			X			Public supplies only.
	WSP 1881			X	X		
	WSP 1941				X		
	WSP 1947				X		
	WSP 1954				X		
	CWRB 1	X	X	X	X		
	CWRB 6	X	X	X			Additional spectrographic analyses of surface water available.
1965	WRDC			X	X		
1966	WRDC	X	X	X	X	X	
1967	WRDC	X	X	X	X	X	Additional spectrographic analyses of surface water and ground water available.
1968	WRDC	X	X	X	X	X	Additional spectrographic analyses of surface water available.

Quality-of-water collection sites shown on plate A are identified either by the numbering system for ground-water stations as explained in the section: "Well- and test hole-numbering and location systems," or by the numbering system for surface-water stations as explained in the section: "Numbering system for stations on streams," as appropriate.

SELECTED REFERENCES

The following publications provide background information on the collection, analysis, and evaluation of the hydrogeologic data in this report.

- Brown, J. S., 1925, A study of coastal ground water with special reference to Connecticut: U.S. Geol. Survey Water-Supply Paper 537, 101 p.
- Brown, J. S., 1928, Ground water in the New Haven area, Connecticut: U.S. Geol. Survey Water-Supply Paper 540, 206 p.
- 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.
- Ellis, A. J., 1916, Ground water in the Waterbury area, Connecticut: U.S. Geol. Survey Water-Supply Paper 397, 73 p.
- Johnson, A. I., 1963, The Hydrologic Laboratory: U.S. Geol. Survey open-file report, 27 p.
- 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., 1967, Ground-water levels in Connecticut, 1965-1966: Connecticut Water Resources Bull. No. 13, 16 p.
- Meinzer, O. E., 1923, Outline of ground-water hydrology, with definitions: U.S. Geol. Survey Water-Supply Paper 494, 71 p.
- Meinzer, O. E., and Stearns, N. D., 1929, A study of ground water in the Pomperaug basin, Connecticut, with special reference to intake and discharge: U.S. Geol. Survey Water-Supply Paper 597-B, p. 73-146.
- Palmer, H. E., 1921, Ground water in the Southington-Granby area, Connecticut: U.S. Geol. Survey Water-Supply Paper 466, 219 p.
- Upson, J. E., and Spencer, C. W., 1964, Bedrock valleys of the New England coast as related to fluctuations of sea level: U.S. Geol. Survey Prof. Paper 454-M, 44 p.
- Wilson, W. E., Burke, E. L., and Thomas, C. E., Jr., in preparation, Water resources inventory of Connecticut, part 5, lower Housatonic River basin: Connecticut Water Resources Bull. No. 19.
- Works Progress Administration for Connecticut, 1938, Records of wells, springs, and ground-water levels in the towns of Bridgeport, Easton, Fairfield, Stratford, and Trumbull, Connecticut: Connecticut Ground Water Survey Bull., GW-1, 242 p.
- Works Progress Administration for Connecticut, 1938, Records of wells, springs, and ground-water levels in the towns of Bethany, East Haven, Hamden, Milford, North Haven, Orange, West Haven, and Woodbridge, Connecticut: Connecticut Ground Water Survey Bull., GW-3, 247 p.

Table 1.--Records of wells

Well no.: See text for explanation of numbering system.

Location: See text for explanation of location system.

Altitude: Most altitudes are estimated to the nearest 5 feet above mean sea level from topographic maps, contour interval 10 feet. Those given to the nearest foot are based on field surveys.

Type of well:

Cais, caisson
Dr, drilled (method not ascertained)
Drc, drilled by cable tool
Drr, drilled by rotary, including air, hydraulic, reverse hydraulic, and rotary-percussion
Dv, driven
HC, horizontal collector

Total depth: Feet below land surface.

Depth of casing: Feet below land surface.

Finish: Well construction used to permit entrance of water to well.

Type:

OE, open end
OH, open hole
OS, open fieldstone
P, perforated casing
Pg, with gravel pack
S, screen
Sg, with gravel pack
WP, well point

From-to: Depth interval of screen or perforated casing, in feet below land surface.

Slot size: Width of openings in screen or width of perforations in casing.

Aquifer: Type of earth material that is the principal supplier of water to the well.

Crys, crystalline bedrock
Sed-V, sedimentary and/or volcanic bedrock
SD, stratified drift
Till

Depth to bedrock: Feet below land surface.

Water level: Assumed to be static water level, except where noted.

Depths are to nearest foot below land surface.

p, water level affected by nearby pumping at time of measurement.

Remarks:

CA, chemical analysis by U.S. Geological Survey published. See table 7 for reference.

CA_m, analysis for minor metals publishedCA_t, water temperature published

WL, periodic water-level measurements by U.S. Geological Survey published. See table 7 for reference.

L, descriptive geologic log in table 2

PT, pump test data in table 5

Most statements are based on information provided by owners or drillers rather than observed by U.S. Geological Survey.

PR, pumping rate

Yield test: Most data are reported by owners or well drillers. Unless otherwise noted in remarks, data apply to test conducted at or shortly after time that well was completed.

Yield: Discharge rate of well during test, in gpm (gallons per minute).

b, boring test

p, pumping test, including air lift

Use of water: Use at time of well inventory.

AC, air conditioning

Com, commercial

Dom, domestic

Ind, industrial

Inst, institutional

PS, public supply

Un, unused

Status of well: Status at time of well inventory.

Des, destroyed

Obs, observation well. Periodic water-level measurements by U.S.

Geological Survey or owner.

Un, unused

W, well used to withdraw water

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter of motor (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Aquifer	Depth to bedrock (feet)	Water level		Yield test			Use of water	Status of well	Remarks	
									Type	From-to (feet)	Diameter of motor (inches)			Slot size (inches)	Depth (feet)	Date measured	Yield (gpm)	Draw-down (feet)				Duration (hours)
TOWN OF ANSONIA																						
An 20	412050N0730504.1	Ansonia Mfg. Co.	1927	35	Drc	10	77	65	Sg	-	-	-	SD	-	15	-54	400p	20	-	Ind	W	
TOWN OF BETHLEHEM																						
Bm 1	413642N0731057.1	F. W. Buesser, Jr.	1964	720	Drc	6	174	21	OH				Crys	-	45	10-64	2b	-	-	Dom	W	CA.
Bm 2	413646N0731146.1	A. M. Satula	1964	840	Drc	6	114	29	OH				Crys	29	22	-	5b	-	-	Dom	W	CA.
TOWN OF DERBY																						
De 2	411952N0730636.1	Birmingham Water Co.	1950	65	Drc	16	91	76	Sg	76-91	16	.080	SD	-	44	-	950p	-	-	PS	W	CA _t , L. Used as auxiliary supply.
De 3	411931N0730555.1	do	1957	30	Drc	16	62	53	Sg	53-62	16	.125	SD	-	25	7-57	-	23	48	PS	W	CA _t , L. Variable PR during test (595-760 gpm).
De 4	411900N0730512.1	Town of Derby	1965	10	Drc	6	50	42	Sg	42-50	8	.010	SD	-	7	11-65	60p	28	48	Com	W	L. Pumped simultaneously with De 5.
De 5	411900N0730513.1	do	1965	10	Drc	6	50	42	Sg	42-50	8	.010	SD	-	7	11-65	92p	27	48	Com	W	Log same as De 4. Pumped simultaneously with De 4. PR 60 gpm for 24 hours, then 92 gpm for 24 hours more.
De 6	411939N0730608.1	W. E. Bassett Co.	1964	35	Drc	8	61	49	S	49-61	8	-	SD	-	19	11-64	160p	20	9	Ind	W	L.
De 7	411937N0730610.1	Birmingham Water Co.	1966	35	Drc	12	69	55	Sg	55-68	12	.060	SD	76	20	7-66	870p	28	48	PS	W	CA _{mt} , L. PR cut from 1,000 gpm to 870 gpm after 28 hours of test.
De 8	411938N0730608.1	W. E. Bassett Co.	1950	30	Dr	8	41	31	S	31-41	8	-	SD	-	16	9-50	190p	-	-	Ind	W	CA _{mt} . Original screen became plugged, was replaced in 1964.
TOWN OF HARWINTON																						
Ho 1	414347N0730316.1	Lewis Roraback	1930	570	Dug	48	9	9	OE				Till	-	4	-49	3	-	-	Dom	W	CA.
Ho 2	414318N0730335.1	Emil Duby	1955	500	Drc	6	125	-	OH				Crys	0	-	12-55	4b	-	-	Dom	W	CA.
Ho 3	414753N0730604.1	Artesian Well Projects, Inc.	1962	855	Drc	8	250	40	OH				Crys	33	15	-62	20p	235	-	PS	W	CA.
Ho 4	414754N0730604.1	do	1959	855	Drc	8	320	40	OH				Crys	33	39	9-66	33	-	-	Un	Un	Yield dropped to 10 gpm after drilling Ho 3.
Ho 5	414608N0730416.1	Town of Harwinton	1965	775	Drc	6	100	36	OH				Crys	35	35	1-65	22p	0	8	Inst	W	Supplies Harwinton Consol. School.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Depth to bed-rock (feet)	Water level		Yield test			Duration (hours)	Use of water	Status of well	Remarks	
									Type	From-to (feet)	Diameter (inches)		Slot size (inches)	Aquifer	Depth (feet)	Date measured	Yield (gpm)					Draw-down (feet)
TOWN OF LITCHFIELD																						
Lf 21	414629N0731013.1	W. McKenzie	1966	1,065	Drc	6	605	31	OH			Crys	20	200	11-66	<1p	405	-	Dom	W	CA.	
Lf 22	414351N0731015.1	Clarence Sanford	1965	1,050	Dr	6	167	28	OH			Crys	26	15	4-65	2	152	1	Dom	W	CA.	
Lf 23	414427N0730809.1	Ralph Bailey	1965	835	Drc	6	107	57	OH			Crys	48	18	1-65	4bp	89	4	Dom	W	CA.	
Lf 24	414506N0730818.1	S. A. Naser	1963	970	Drc	6	112	24	OH			Crys	14	18	7-63	12b	94	2	Dom	W	CA.	
TOWN OF MIDDLEBURY																						
Md 1	413114N0730827.1	Westover Water Co.	1909	680	Dug	220	17	0	OS			Till	-	3	4-66	-	-	-	PS	W	CA. Md 1, 2, 3 pumped together. CA of composite sample.	
Md 2	413114N0730827.2	do	1909	680	Dug	220	16	0	OS			Till	-	2	4-66	-	-	-	PS	W	CA. See Md 1.	
Md 3	413113N0730825.1	do	1909	680	Dug	220	20	0	OS			Till	-	3	4-66	-	-	-	PS	W	CA. See Md 1.	
Md 4	411243N0730619.1	do	1955	695	Cais	48	25	-	S	-	-	SD	-	-	-	24p	-	-	PS	W	CA. 1965 yield test. Surficial material is till.	
Md 5	413120N0730825.2	do	1964	695	Drc	8	31	23	S	23-31	8	.060	SD	-	-	25p	-	-	PS	W	CA. Pumps into Md 4. 1966 measured depth = 23.9 ft. Surficial material is till.	
Md 6	413313N0730602.1	U.S. Time Corp.	1965	700	Drc	6	345	148	OH			Crys	137	70	10-65	14p	180	24	Ind	W		
Md 7	413233N0730652.1	G. N. Lynch	1964	540	Drc	6	136	46	OH			Crys	35	11	4-64	12b	125	-	Dom	W	CA.	
Md 8	413057N0730710.1	A. Bryan	1962	805	Drc	6	200	19	OH			Crys	3	65	10-62	12b	115	-	Dom	W	CA.	
TOWN OF MILFORD																						
Mf 1	411315N0730444.1	Milford Water Co.	1954	70	Drc	12	74	61	Sg	61-74	12	.060	SD	-	16	-54	348p	41	48	PS	W	CA, L.
Mf 2	411309N0730448.1	do	1955	50	Drc	12	36	28	S	28-36	12	.080	SD	37	4	12-55	302p	21	48	PS	W	CA, L.
Mf 3	411314N0730616.1	D. J. Carten Co.	1962	30	Dr	8	12	*6	S	6-12	7	.160	SD	-	7	9-62	15p	4	<1	Un	Un	
Mf 4	411243N0730619.1	Conn. Light & Power Co.	1962	60	Dr	6	41	36	S	36-41	5	.160	SD	-	25	6-62	50p	14	2	Un	Des	Test well. Surficial material is till.
Mf 5	411243N0730619.2	do	1962	60	Dr	6	44	39	S	39-44	5	.160	SD	44	27	10-62	16p	6	2	Un	Des	Test well. Drawdown measured in obs well 5 ft away. Surficial material is till.
Mf 6	411302N0730415.1	Robertshaw Controls Co., Milford Div.	1955	65	Drc	10	45	35	Sg	35-45	10	.060	SD	55	9	8-55	247p	25	24	Ind	W	Approx. 400 ft outside basin. Surficial material is till.
Mf 7	411313N0730439.1	Leo Blaise	1957	60	Dr	6	116	106	OH			Crys	106	15	11-57	6	101	2	Dom	W	CA.	
Mf 8	411418N0730530.1	R. A. Perry	1964	140	Dr	6	80	13	OH			Crys	8	12	12-64	7	68	3	Dom	W	CA.	
Mf 9	411208N0730626.1	J. DePhillips	1966	30	Drc	6	101	15	OH			Crys	10	18	12-66	6b	83	3	Dom	W	CA.	
Mf 10	411425N0730547.1	H. R. Elker	1956	20	Drc	6	125	35	OH			Crys	12	4	5-56	15p	6	8	Dom	W	CA.	
TOWN OF MONROE																						
Mo 40	411847N0731318.1	Monroe Water Co.	1956	425	Cais	100	23	20	S	20-22	100	.160	SD	23	2	12-56	103p	11	8	PS	W	CA, L.
Mo 41	411817N0731229.1	do	1961	405	Drc	10	46	41	Sg	41-46	10	.060	SD	47	3	12-61	150p	39	48	PS	W	CA, L. Exposed top of casing is 16-in. diam.
Mo 42	411847N0731320.1	do	1956	425	Dr	6	28	20	S	20-28	5	.160	SD	28	2	9-56	33p	16	10	Un	Des	L. Test well.
Mo 43	411847N0731318.2	do	1956	425	Dr	6	36	31	S	31-36	5	.160	SD	36	3	9-56	30p	17	4	Un	Des	L. Test well.
Mo 44	411845N0731316.1	do	1956	430	Dr	6	27	22	S	22-27	5	.160	SD	27	3	9-56	55p	15	8	Un	Des	L. Test well.
TOWN OF NAUGATUCK																						
Na 3	412805N0730228.1	Peter Paul, Inc.	1940	205	Drc	8	30	27	Sg	27-30	8	-	SD	-	10p	12-66	-	-	-	Un	Un	Owner's well no. 1. 1966 measured depth = 12.3 ft. Sand and gravel, 0-100 ft.
Na 9	412802N0730045.1	Conn. Water Co., Naugatuck Div.	1944	345	Drc	2	66	63	WP	63-66	2	-	SD	76	8	6-67	-	-	-	Un	Un	L.
Na 10	412800N0730047.1	do	1944	340	Drc	2	62	59	WP	59-62	2	-	SD	74	5	7-67	42p	-	-	Un	Un	WL, L. Test well. Former USGS obs well; obs well during 1967 test of Na 16 and 31.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Aquifer	Depth to bed-rock (feet)	Water level		Yield test			Use of water	Status of well	Remarks	
									Type	From-to (feet)	Diameter (inches)			Slot size (inches)	Depth (feet)	Date measured	Yield (gpm)	Draw-down (feet)				Duration (hours)
TOWN OF NAUGATUCK--Cont.																						
No 11	412759N0730050.1	Conn. Water Co., Naugatuck Div.	1944	335	Drc	2	56	53	WP	53-56	2	-	SD	-	4	5-67	-	-	-	Un	Un	WL, L. Test well. Former USGS obs well; obs well during 1967 test of No 16 and 31.
No 12	412750N0730054.1	do	1944	345	Drc	2	16	-	WP	-	-	-	SD	74	9	4-67	-	-	-	Un	Un	WL, L. Test well. Former USGS obs well. Originally designated No 15.
No 16	412801N0730049.1	do	1944	340	Drc	12	77	59	Sg	59-70	12	.060	SD	80	7	7-44	371p	68	-	PS	W	CA _{mt} , PT.
No 16A	412801N0730049.2	do	1944	340	Drc	2	80	-	WP	-	-	-	SD	80	-	-	200p	-	-	Un	Des	Test well. Originally designated No 12. L.
No 17	412802N0730316.1	UniRoyal, Inc., Synthetic Div.	1942	180	Dr	-	57	-	-	-	-	-	SD	57	-	-	600p	-	-	Un	Des	1944 yield reported as 60 gpm.
No 18	412801N0730314.1	do	1942	170	Dr	-	88	-	-	-	-	-	SD	88	-	-	600p	-	-	Un	Des	1944 yield reported as 60 gpm.
No 20	412857N0730307.1	UniRoyal, Inc., Naug. Chem. Div.	1937	175	Dr	16	120	-	-	-	-	-	SD	-	-	-	1,000p	30	-	Un	Des	1944 continuous PR = 700 gpm with 45 ft drawdown.
No 21	412837N0730303.1	do	1942	175	Dr	16	87	-	-	-	-	-	SD	-	-	42	1,000p	42	24	Un	Des	1944 continuous PR = 450 gpm.
No 22	412913N0730318.1	UniRoyal, Inc., Footwear Div.	1944	180	Dr	16	70	50	Sg	50-70	16	-	SD	105	15	12-66	1,220p	11	-	Ind	W	L. 1966 PR = 300 gpm.
No 23	412920N0730316.1	do	1942	185	Dr	16	112	92	Sg	92-112	16	-	SD	134	-	-	1,200p	11	-	Ind	W	L. 1966 PR = 420 gpm, with 16 ft drawdown.
No 24	412914N0730321.1	do	1944	185	Dr	16	104	84	S	84-104	16	-	SD	108	19	4-44	508p	64	-	Un	Des	L.
No 29	412924N0730314.1	do	1945	190	Dr	16	102	82	Sg	82-102	16	-	SD	-	24	6-45	1,137p	12	-	Ind	W	CA _{mt} , L. 1966 PR = 400-600 gpm.
No 30	412806N0730309.1	UniRoyal, Inc., Naug. Chem. Div.	1948	156	Dr	6	83	-	-	-	-	-	SD	-	1	6-49	-	-	-	Un	Un	WL, L. Former USGS obs well.
No 31	412801N0730053.1	Conn. Water Co., Naugatuck Div.	1954	340	Drc	12	55	40	Sg	40-55	12	.080	SD	-	7	-54	270p	39	-	PS	W	L, PT.
No 32	412810N0730308.1	UniRoyal, Inc., Naug. Chem. Div.	1948	160	Dr	6	95	-	-	-	-	-	SD	101	10p	7-66	-	-	-	Un	Un	L. Measured WL approx. 9 ft below river level, 7-20-66 (No 34 pumping).
No 33	412816N0730305.1	do	1948	175	Dr	6	92	-	S	-	-	-	SD	-	19p	7-66	-	-	-	Un	Un	
No 34	412813N0730307.1	do	1949	168	HC	156	88	82	P	-	-	-	SD	-	-	-	-	-	-	Ind	W	L. 8 laterals, 8-in diam, with 1/2-in slots, 4-200 ft long, at depth 82 ft. Caisson extends to 88 ft. Avg PR of 12 24-hr tests during 1949 was 1,832 gpm. Avg daily pumpage in 1964 was 1.7 mgd (1,180 gpm). High iron, manganese concentrations require treatment. Since fall, 1965, water from Beacon Hill Brook pumped into caisson.
No 35	412852N0730303.1	do	1945	180	Dr	16	113	93	Sg	93-113	16	-	SD	-	14	7-51	1,025p	48	-	Ind	W	CA _z , L. 1966 PR = 100 gpm.
No 36	412936N0730313.1	Lewis Engineering Co.	1942	240	Drc	10	125	115	Sg	115-125	8	.060	SD	-	23	9-42	200p	90	-	Un	Un	
No 37	412810N0730229.1	Peter Paul, Inc.	1955	260	Drc	10	100	85	S	85-100	10	.040	SD	101	70	-55	140p	25	24	Un	Un	L.
No 38	412806N0730228.1	do	1962	210	Drc	10	63	48	S	48-63	10	.040	SD	-	10	10-62	350p	25	23	Ind	W	L. No 38 and 39 tested simultaneously.
No 39	412805N0730227.1	do	1962	210	Drc	10	60	45	S	45-60	10	.040	SD	-	13	10-62	175p	34	23	Ind	W	L. See No 38.
No 40	412807N0730229.1	do	1965	205	Drc	10	60	50	S	50-60	10	.040	SD	-	18	8-65	200p	22	24	Ind	W	L. No 38 pumping during yield test.
No 41	412826N0730314.1	UniRoyal, Inc., Synthetic Div.	-	185	Dr	14	48	-	-	-	-	-	SD	-	19	12-66	-	-	-	Un	Un	
No 42	412828N0730356.1	James Flora	1961	680	Drc	6	110	15	OH	-	-	-	Crys	5	10	5-61	3b	100	-	Dom	W	CA.
No 43	412900N0730100.1	D. E. Brown	1965	745	Drc	6	150	22	OH	-	-	-	Crys	20	50	11-65	5b	90	1	Dom	W	CA.
No 44	412818N0730017.1	J. Gendron	1956	490	Dr	6	375	70	OH	-	-	-	Crys	70	60	3-56	4	240	<1	Un	Un	CA _z . Formerly supplied trailer park.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Aquifer	Depth to bed-rock (feet)	Water level		Yield test		Duration (hours)	Use of water	Status of well	Remarks	
									Type	From-to (feet)	Diameter (inches)			Slot size (inches)	Depth (feet)	Date measured	Yield (gpm)					Draw-down (feet)
TOWN OF NEWTOWN																						
Nt 1	412451N0731517.1	E. Carey	-	430	Dr	6	130	10	OH		Crys	10	-	-	8	-	-	Dom	W	CA.		
Nt 2	412448N0731557.1	Joseph Hanlon	1956	330	Dug	42	17	17	OE		SD	-	12	7-66	-	-	-	Dom	W	CA.		
Nt 11	412403N0731604.1	Fairfield Hills Hosp.	1947	275	Drc	18	86	66	Sg	66-86	12	.250	SD	90	6	6-66	725p	50	48	Inst	W	L.
Nt 12	412400N0731559.1	do	1947	275	Drc	18	108	90	Sg	90-112	12	.250	SD	-	5	11-47	725p	34	90	Inst	W	L.
Nt 13	412424N0731732.1	do	1954	365	Dr	8	238	108	OH		Crys	95	16	2-54	44p	74	8	Dom	W			
Nt 14	412511N0731641.1	Town of Newtown	1955	270	Drc	8	68	58	Sg	58-68	6	.040	SD	-	25	9-55	240p	15	8	Inst	W	L. Sandy Hook Elementary School.
Nt 15	412429N0731651.1	U.S. Geol. Survey	1966	265	Bored	1	33	31	WP	31-33	1	.006	SD	-	8	12-66	-	-	-	Un	Obs	WL, L.
Nt 16	412537N0731649.1	D. Eaton	1961	300	Dr	6	235	34	OH		Crys	27	5	5-61	2	228	4	Dom	W	CA.		
Nt 17	412506N0731648.1	C. Check	1956	260	Dr	6	118	72	OH		Crys	70	25	8-56	8	90	3	Dom	W	CA.		
TOWN OF ORANGE																						
O 1	411621N0730426.1	G. Mazur	1966	120	Dr	6	245	40	OH		Crys	30	20	3-66	5	120	8	Dom	W	CA.		
O 2	411813N0730239.1	Mary A. Little	1962	280	Drc	6	127	41	OH		Crys	23	23	10-62	4b	87	8	Dom	W	CA.		
TOWN OF OXFORD																						
Ox 1	412541N0731117.1	Frank Miller	1956	385	Drc	6	125	25	OH		Crys	-	15	10-56	8b	-	-	Dom	W	CA.		
Ox 2	412412N0730526.1	Seymour Water Co.	1950	170	Drc	16	45	33	Sg	33-45	16	.080	SD	45	11	-50	500p	30	24	PS	W	
Ox 3	412359N0730523.1	do	1957	230	Drc	12	58	44	S	44-58	12	.100	SD	-	6	-57	300p	50	24	PS	W	L. 1963 test, PR = 165 gpm, drawdown 52 ft.
Ox 4	412405N0730524.1	do	1957	160	Drc	12	45	37	Sg	37-45	12	.080	SD	-	5	11-57	350p	22	33	PS	W	CA, L.
Ox 5	412400N0730524.1	do	1954	180	Drc	10	50	39	S	39-49	10	.060	SD	-	10	-54	60p	28	-	PS	W	L. Water from Ox 5 pumped into Ox 3.
Ox 6	412419N0730530.1	do	1963	165	Drc	16	50	35	S	35-45	16	.080	SD	55	1	8-63	250p	31	24	PS	W	CA, L.
Ox 7	412417N0730529.1	do	1966	165	Drc	12	49	38	S	38-50	12	.060	SD	-	5p	5-66	150p	25	24	PS	W	L.
Ox 7A	412417N0730529.2	do	1966	165	Drc	2	42	39	WP	39-42	2	-	SD	-	5p	5-66	-	-	-	Un	Obs	Test well.
Ox 8	412606N0730702.1	Oxford Cong. Church	1965	360	Drc	6	27	21	Sg	21-27	3	.040	SD	27	4	4-65	10	20	8	Dom	W	
Ox 9	412358N0730704.1	L. T. Tomasheski	1962	720	Dr	6	165	80	OH		Crys	70	38	2-62	6	87	2	Dom	W	CA.		
TOWN OF PLYMOUTH																						
Pm 26	413939N0730119.1	R. Anderson	1965	825	Drc	6	100	23	OH		Crys	15	-	-	4b	-	-	Dom	W	CA.		
Pm 27	413951N0730229.1	Kendall Queor	1956	635	Drc	6	150	10	OH		Crys	5	12	7-56	41	138	-	Dom	W	CA.		
Pm 28	413946N0730149.1	A. Lyga	1955	810	Dug	30	18	16	OS		Till	-	3	4-67	-	-	-	Dom	W	CA. Dry for 3 months in 1965; not dry in 1966.		
Pm 29	413927N0730155.1	Robert Leroux	1958	665	Dug	30	9	9	OE		Till	-	0	4-67	-	-	-	Dom	W	CA.		
Pm 30	414014N0730125.1	B. Brzankalski	-	890	Dug	24	22	0	OS		Till	-	5	4-67	-	-	-	Dom	W	CA. Dug in 1700's.		
TOWN OF PROSPECT																						
Pr 2	412931N0725920.1	J. Vilano	-	790	Dug	24	18	0	OS		Till	-	5	4-67	-	-	-	Dom	W	CA.		
TOWN OF SEYMOUR																						
Se 5	412355N0730421.1	Bridgeport Brass Co.	1947	90	Drc	16	47	31	S	31-47	16	.080	SD	-	13	-47	500p	32	-	Ind	W	CA.
Se 6	412357N0730421.1	do	1947	90	Drc	16	78	53	S	53-59	16	.080	SD	-	11	-47	1,000p	31	-	Ind	W	
Se 7	412400N0730418.1	do	1955	95	Drc	16	93	73	S	73-93	16	.080	SD	-	12	11-55	2,500p	43	24	Un	Un	Never used because of high iron concentration.
TOWN OF SHELTON																						
Sh 1A	412123N0730829.1	Bridgeport Hydraulic Co.	1951	40	Dug	16	106	85	Sg	85-106	16	.080	SD	-	18	11-51	1,100p	66	24	Un	Un	Constructed by "orange peel" excavation.
Sh 2	412120N0730825.1	do	1951	35	Dug	18	94	63	S	63-73	18	.125	SD	-	12	2-52	1,800p	56	24	Un	Un	Constructed by "orange peel" excavation. Replaced by Sh 2A.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Depth to bed-rock (feet)	Water level		Yield test			Use of water	Status of well	Remarks		
									Type	From-to (feet)	Diameter (inches)		Slot size (inches)	Depth (feet)	Date measured	Yield (gpm)	Draw-down (feet)				Duration (hours)	
TOWN OF SHELTON--Cont.																						
Sh 2A	412121N0730824.1	Bridgeport Hydraulic Co.	1966	35	Drr	24	209	179	Sg	179-209	24	.250	SD	210	43p	3-66	2,435p	34	4	PS	W	L. Nearby wells pumping approx. 8 mgd during test.
Sh 3	412118N0730825.1	do	1951	30	Dug	18	85	50	S	50-78	18	.125	SD	-	10	12-51	567p	11	24	Un	Un	Constructed by "orange pool" excavation. Also screened at 78-85 ft with .100-in. screen openings.
Sh 3A	412119N0730824.1	do	1966	30	Drr	24	218	188	Sg	188-218	22	.250	SD	-	40p	1-66	2,343p	53	7	PS	W	L. Nearby wells pumping approx. 8 mgd during test.
Sh 4	412128N0730831.1	do	1954	40	Drr	20	173	143	Sg	143-173	18	.250	SD	-	21	8-67	2,500p	-	-	PS	Un	Shut down 8-67 because lost prime. Used as obs well during test of Sh 10.
Sh 5	412115N0730824.1	do	1954	30	Drr	20	169	116	Sg	116-169	21	.250	SD	-	-	-	2,100p	-	-	Un	Un	Screen damaged. Replaced by Sh 5A.
Sh 5A	412115N0730824.2	do	1966	30	Drr	24	209	179	Sg	179-209	24	.250	SD	-	55p	6-66	2,204p	57	25	PS	W	L. Nearby wells pumping approx. 15 mgd during test.
Sh 6	412131N0730826.1	do	1964	40	Drr	24	208	177	Sg	177-208	24	.250	SD	212	9	4-64	2,513p	51	24	PS	W	L.
Sh 7	412127N0730825.1	do	1964	40	Drr	24	205	173	Sg	173-203	24	.250	SD	207	16	5-64	2,513p	55	24	PS	W	L.
Sh 8	412117N0730824.1	do	1965	30	Drr	24	222	192	Sg	192-222	24	.250	SD	-	44p	2-66	2,260p	84	24	PS	W	L. Nearby wells pumping approx. 7 1/2 mgd during test.
Sh 9	412113N0730823.1	do	1966	30	Drr	24	209	178	Sg	178-209	24	.250	SD	209	24p	5-66	2,360p	71	13	PS	W	L. Nearby wells pumping approx. 10 1/2 mgd during test.
Sh 10	412128N0730825.1	do	1967	40	Drr	24	210	180	Sg	180-210	24	.250	SD	214	13	8-67	2,118p	122	24	PS	W	CA ₂ , L. PT.
Sh 13	412138N0730829.1	do	1963	30	Drr	6	87	77	S	77-87	6	-	SD	108	2	8-67	-	-	-	Un	Obs	Test well.
Sh 14	412131N0730826.2	do	1963	40	Drr	6	196	186	S	186-196	6	-	SD	214	16p	8-67	-	-	-	Un	Obs	Test well.
Sh 15	412127N0730825.2	do	1963	40	Drr	6	185	175	S	175-185	6	-	SD	211	19p	8-67	-	-	-	Un	Obs	Test well. Obs well during test of Sh 10.
Sh 16	412136N0730834.1	do	-	45	Dr	2	84	-	WP	-	-	-	SD	-	18p	8-67	-	-	-	Un	Obs	Test well.
Sh 17	412132N0730833.1	do	1951	45	Drc	2	65	62	WP	62-65	2	-	SD	-	19p	8-67	-	-	-	Un	Obs	Test well.
Sh 18	412125N0730834.1	do	1951	35	Drc	2	87	-	WP	-	-	-	SD	-	20p	8-67	-	-	-	Un	Obs	Test well.
Sh 19	412119N0730829.1	do	1951	35	Drc	2	-	-	WP	-	-	-	SD	-	-	-	-	-	-	Un	Obs	Test well.
Sh 20	412122N0730825.1	do	1957	40	Drr	6	196	190	S	190-196	2	.025	SD	210	17	8-67	-	-	-	Un	Obs	Test well. 1967 measured depth = 188 ft; screen filled with sediment.
Sh 27	411716N0730821.1	do	1951	225	Drc	16	59	34	S	34-59	18	.060	SD	-	2	5-51	350p	30	24	PS	W	CA ₂ , L. Yield data refer to 8-in. diam. test well.
Sh 28	411720N0730820.1	do	1951	225	Drc	-	-	-	S	-	-	-	SD	54	-	-	295p	>44	19	Un	Un	L. Yield data refer to 8-in. diam. flowing test well.
Sh 29	411713N0730437.1	Industrial Lofting Co.	1964	26	Drc	3	65	59	WP	59-65	2	-	SD	-	26	2-64	10	2	<1	Un	Un	L. Test well, developed for Ind use, but pumped sand.
Sh 30	411713N0730440.1	USH Fastener Co., Div. of United Shoe Machinery	1956	50	Drc	6	74	49	S	49-74	8	.060	SD	77	40	4-56	220p	34	24	Un	Des	Test well. Sh 32 drilled at this site.
Sh 31	411711N0730443.1	do	1956	53	Drc	10	79	69	S	69-79	10	.060	SD	79	46	7-56	350p	24	24	Ind	W	CA ₂ , L.
Sh 32	411713N0730440.2	do	1957	50	Drc	10	72	62	Sg	62-72	16	.060	SD	77	40	5-57	300p	18	24	Ind	W	L. At site of test well Sh 30.
Sh 33	411652N0730932.1	Noel Cayer	1956	350	Dr	6	90	30	OH				Crys	20	17	2-56	15	-	3	Dom	W	CA.
Sh 34	411731N0730819.1	Warner A. Wolff	1966	260	Drr	6	358	15	OH				Crys	8	30	7-66	<1	-	-	Dom	W	CA.
Sh 35	411712N0730437.1	Industrial Lofting Co.	1967	20	Drc	8	42	42?	OE?				SD	-	17	2-67	40p	-	-	Ind	W	
Sh 36	411722N0730419.1	Joseph Tlikl	1956	70	Drc	6	200	101	OH				Crys	90	84	11-56	1b	66	8	Dom	W	CA ₂ .

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Aquifer	Depth to bedrock (feet)	Water level		Yield test			Use of water	Status of well	Remarks	
									Type	From-to (feet)	Diameter (inches)			Slot size (inches)	Depth (feet)	Date measured	Yield (gpm)	Draw-down (feet)				Duration (hours)
TOWN OF SOUTHBURY																						
Sb 2	413017N0731413.1	W. Robinson	1960	370	Dr	6	48	24	OH			Sed-V	5	4	-60	60	-	-	Dom	W	CA.	
Sb 3	412843N0731301.1	Sun Oil Co.	1960	215	Drc	6	100	100	OE			SD	-	5	10-60	8b	-	-	Com	W	CA.	
Sb 4	412928N0731324.1	Paparozzo Devel. Corp.	1966	184	Drc	10	64	49	S	49-59	10	.040	SD	69	7	7-66	220p	30	100	PS	W	L. Obs well during USGS test of Sb 5.
Sb 4A	412928N0731324.2	do	1966	189	Dr	2	48	45	WP	45-48	2	-	SD	69	6	4-66	-	-	-	Un	Obs	Obs well during USGS test of Sb 5.
Sb 5	412924N0731324.1	do	1966	182	Drc	10	64	49	S	49-64	10	.040	SD	-	5	4-66	250p	30	100	PS	W	CA ₂ , L, PT. USGS test in 7-66.
Sb 5A	412924N0731324.2	do	1966	182	Drc	2	66	63	WP	63-66	2	-	SD	-	6	4-66	-	-	-	Un	Obs	
Sb 6	412930N0731325.1	do	1966	185	Drc	2	56	53	WP	53-56	2	-	SD	-	7	4-66	-	-	-	Un	Obs	L. Test well. Obs well during USGS test of Sb 5.
Sb 7	412926N0731324.1	do	1966	181	Drc	2	42	38	WP	38-41	2	-	SD	-	2	4-66	-	-	-	Un	Obs	L. Test well. Obs well during USGS test of Sb 5.
Sb 8	412924N0731324.1	do	1966	182	Drc	2	55	52	WP	52-55	2	-	SD	-	5	4-66	-	-	-	Un	Obs	L. Test well. Obs well during USGS test of Sb 5.
Sb 9	412923N0731317.1	do	1966	182	Drc	2	60	57	WP	57-60	2	-	SD	-	5	4-66	-	-	-	Un	Obs	Test well. Obs well during USGS test of Sb 5.
Sb 10	412924N0731322.1	U.S. Geol. Survey	1966	181	Bored	1	53	50	WP	50-52	1	.010	SD	-	5	7-66	-	-	-	Un	Obs	L. Obs well during USGS test of Sb 5.
Sb 11	412924N0731321.1	do	1966	182	Bored	1	53	50	WP	50-52	1	.010	SD	-	6	7-66	-	-	-	Un	Obs	L. Obs well during USGS test of Sb 5.
Sb 12	412924N0731321.2	do	1966	182	Bored	1	48	45	WP	45-47	1	.010	SD	-	6	7-66	-	-	-	Un	Obs	L. Obs well during USGS test of Sb 5.
Sb 13	412517N0731223.1	State of Conn.	1957	120	Drc	6	68	65	S	65-70	5	.040	SD	-	32	7-67	15b	15	8	PS	W	CA ₂ . Kettletown State Park.
Sb 14	412832N0731306.1	Southbury Bldg. Supply Co.	1931	280	Drc	8	241	26	OH			Crys	26	35	-31	40p	55	-	Dom	W		
Sb 15	412806N0731502.1	M. Pierce	1959	155	Dr	6	115	69	OH			Sed-V	55	-	-	-	-	-	Dom	W	CA.	
Sb 16	412841N0731309.1	E. Lipowski	1966	220	Drc	6	190	56	OH			Sed-V	50	40	10-66	4b	145	6	Dom	W	CA.	
Sb 17	412643N0731505.1	G. Gracenko, Jr.	1964	220	Dr	6	180	102	OH			Crys	102	75	9-44	5	105	3	Dom	W	CA.	
Sb 18	412929N0731532.1	Southbury Training School	1939	180	Dug	12	54	40	Sg	40-54	12	-	SD	-	-	-	235p	-	-	Inst	W	1967 PR = 100 gpm. "Orange peel" excavation.
Sb 19	412928N0731532.1	do	1939	180	Dug	12	54	40	Sg	40-54	12	-	SD	-	-	-	500p	-	-	Inst	W	1967 PR = 285 gpm. "Orange peel" excavation.
Sb 20	412944N0731333.1	Paparozzo Devel. Corp.	1968	190	Drc	8	79	64	OH			Sed-V	64	8	12-68	150p	42	2	Un	Un	L. Test well.	
Sb 21	412931N0731328.1	do	-	185	Drc	8	63	-	-			SD	70	-	-	-	-	-	Un	Un	L. Test well, not completed at time of inventory (1968).	
TOWN OF STRATFORD																						
St 11	410934N0730649.1	Town of Stratford	1959	5	Drc	6	60	22	S	22-26	5	.160	SD	-	6	3-59	31	16	5	Un	Des	L. Test well at town incinerator.
St 12	411449N0730552.1	United Aircraft Corp., Sikorsky Aircraft Div.	1938	20	Dr	10	38	28	S	28-38	10	.180	SD	38	19	-	300p	12	-	Un	Des	L. Formerly used in grave pit operations.
St 13	411451N0730543.1	do	1954	10	Dr	12	40	-	S	-	-	-	SD	-	8	2-54	-	11	48	Un	Des	Test well. Variable PR during test (310-440 gpm). Brackish water.
St 14	411454N0730546.1	do	1954	20	Dr	12	30	26	S	26-30	12	-	SD	-	4	3-54	-	12	26	Un	Des	Test well. Variable PR during test (278-318 gpm). St 13 and 15 also pumping during test. Brackish water.
St 15	411451N0730549.1	do	1954	25	Dr	12	53	-	-			SD	-	10	3-54	402p	20	26	Un	Des	Test well. St 13 and 14 pumping during test. Brackish water.	

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter of motor (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Aquifer	Depth to bed-rock (feet)	Water level		Yield test			Use of water	Status of well	Remarks	
									Type	From-to (feet)	Dia-meter (inches)			Slot size (inches)	Depth (feet)	Date measured	Yield (gpm)	Draw-down (feet)				Duration (hours)
TOWN OF THOMASTON																						
Tm 1	414008N0730432.1	General Time Corp.	1936	360	Dug	30	70	57	Pg	57-69	36	.250	SD	70	6	8-36	1,300p	24	24	Ind	W	
Tm 12	414146N0730327.1	U.S. Army Corps of Engineers	1959	535	Dr	6	328	43	OH				Crys	43	108	12-59	8	-	-	Dom	W	CA. At Thomaston Dam.
Tm 13	412937N0730506.1	Thomaston Water Co.	1946	355	Dr	8	33	23	S	23-33	10	.080	SD	-	3	4-6	155p	14	-	Un	Un	L. Former public supply well.
Tm 14	413906N0730528.1	do	1962	335	Drc	10	102	92	S	92-102	10	.060	SD	-	4	3-62	650p	56	48	PS	W	CA, L.
Tm 14A	413906N0730528.2	do	1962	355	Drc	2	62	59	WP	59-62	2	-	SD	-	8p	5-66	-	-	-	Un	Obs	
Tm 15	413835N0730445.1	Whyco Chromium Co.	1957	330	Drc	10	38	33	S	33-38	10	.040	SD	-	12	11-57	170p	14	-	Un	Un	L.
Tm 16	413837N0730451.1	do	1964	330	Drc	8	40	30	S	30-40	10	.040	SD	40	-	-	100p	-	-	Ind	W	Test well, later pumped for ind. supply.
Tm 17	413836N0730452.1	do	1965	330	Drc	16	20	15	S	15-20	16	.060	SD	20	5p	8-66	-	-	-	Ind	W	Est. 1966 PR = 250 gpm.
Tm 18	413837N0730452.1	do	1964	330	Drc	16	20	15	S	15-20	16	.060	SD	20	4	9-64	300p	14	24	Ind	W	CA, L. Est. 1966 PR = 250 gpm.
Tm 19	413836N0730446.1	do	1969	330	Drc	12	50	39	S	39-50	12	.050	SD	51	11	1-69	500p	15	24	Ind	W	L. Location approximate.
TOWN OF TORRINGTON																						
T 1	414956N0730645.1	Colonial Bronze Co.	1948	700	Drc	8	200	-	OH				Crys	10	-	-	12	-	-	Ind	W	CA, Flowing well.
T 2	414910N0730723.1	Warrenton Woolen Co.	1908	650	Drc	8	381	34	OH				Crys	34	7	8-58	-	-	-	Un	Obs	WL.
T 7	414840N0730731.1	The Torrington Co.	-	605	Drc	10	650	10	OH				Crys	3	10	4-40	-	180	-	AC	W	Est 1967 PR = 150 gpm.
T 21	414809N0730554.1	Artesian Well Projects, Inc.	1953	905	Drc	8	318	35	OH				Crys	25	15	5-53	18p	303	-	Un	Un	Emergency public supply use only.
T 22	414809N0730546.1	do	1955	915	Drc	-	250	-	OH				Crys	-	10	5-55	105p	100	-	PS	W	CA.
T 23	414851N0730428.1	do	1951	1,105	Drc	8	235	45	OH				Crys	35	20	5-51	33	215	-	PS	W	CA.
T 26	414756N0730546.1	do	1964	960	Drc	8, 6	375	35	OH				Crys	25	20	5-64	42	355	-	PS	W	6-in. diam below 275 ft.
T 27	414947N0730931.1	Earl Benton	1942	905	Drc	6	376	-	OH				Crys	5	90	3-42	1	-	8	Un	Un	Abandoned in 1966 because of salty taste.
T 28	414825N0731006.1	P. Toweloupis	1964	1,230	Dr	6	155	79	OH				Crys	79	60	1-64	8	60	2	Dom	W	CA.
T 29	414719N0730809.1	P. Kwas	1955	765	Dr	6	120	58	OH				Crys	58	32	9-55	6	38	-	Dom	W	CA.
T 30	415028N0730817.1	A. Troughton	1964	1,155	Dr	6	100	68	OH				Crys	50	3	3-64	20	97	3	Dom	W	CA.
T 31	415121N0730921.1	R. Foster	1963	770	Drc	6	228	114	OH				Crys	114	25	1-63	2b	175	3	Dom	W	CA.
T 32	414750N0730703.1	Torrington Mfg. Co.	1953	535	Drc	8	154	69	OH				Crys	69	-	-	250p	-	-	Ind	W	In 1961 test, PR = 115 gpm.
T 33	414750N0730657.1	do	1953	535	Drc	8	150	69	OH				Crys	69	-	-	150p	-	-	Ind	W	In 1961 test, PR = 75 gpm.
TOWN OF WATERBURY																						
Wb 2A	413527N0730316.1	Scovill Mfg. Co.	1927	-	Drc	10	54	44	S	44-54	10	-	SD	-	11	5-27	-	-	-	Un	Des	Location approximate.
Wb 2B	413525N0730313.1	Brownstein Realty Corp.	1927	285	Drc	10	56	46	S	46-56	10	-	SD	-	11	7-39	500p	-	-	Ind	W	CA, Formerly owned by Scovill Mfg Co.; used by Light Metals Coloring Co. since 1960. 1967 PR = 100-200 gpm.
Wb 2C	413527N0730316.2	Scovill Mfg. Co.	1929	-	Drc	10	62	52	S	52-62	10	-	SD	-	11	7-39	-	-	-	Un	Des	Location approximate.
Wb 2D	413527N0730316.3	do	1929	-	Drc	10	-	-	-				SD	-	12	10-41	150p	13	-	Un	Des	Location approximate.
Wb 3A	413307N0730136.1	do	1941	310	Drc	10	35	30	Sg	30-35	12	.060	SD	-	10	9-42	280p	19	24	Ind	W	CA, In 1959 test, PR = 250 gpm, drawdown 12 ft.
Wb 7	413211N0730223.1	A. Bozzuto	1923	255	Drc	8	166	111	OH				Crys	111	15	1-43	30	-	-	Un	Un	Former ind. use.
Wb 10	413214N0730221.1	Thinsheet Metals Co.	1938	255	Drc	8	33	23	Sg	23-33	8	-	SD	33	18	5-38	300p	8	24	Ind	W	CA, 1967 PR = 200-250 gpm.
Wb 10A	413214N0730218.1	do	1943	255	Drc	12	45	33	Pg	33-45	12	-	SD	-	18	9-43	750p	-	-	Ind	W	CA, Est. 1966 PR = 90 gpm.
Wb 11A	413300N0730239.1	Plume & Atwood Mfg. Co.	1940	260	Drc	10	55	47	Sg	47-55	10	-	SD	-	-	-	700p	-	-	Un	Un	CA, Former ind. use.
Wb 11B	413300N0730239.2	do	1940	260	Drc	8	55	47	Sg	47-55	8	-	SD	-	-	-	300p	-	-	Un	Des	

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Depth to bed-rock (feet)	Water level		Yield test			Use of water	Status of well	Remarks		
									Type	From-to (feet)	Diameter (inches)		Slot size (inches)	Aquifer	Depth (feet)	Date measured	Yield (gpm)				Draw-down (feet)	Duration (hours)
TOWN OF WATERBURY--Cont.																						
Wb 11C	413300N0730239.3	Plume & Atwood Mfg. Co.	1940	295	Drc	6	55	47	Sg	47-55	6	-	SD	-	-	-	200p	-	-	Un	Des	
Wb 12	413433N0730326.1	Waterbury Steel Ball Co., Inc.	1925	295	Drc	8	84	74	S	74-84	8	-	SD	-	-	-	50p	-	-	Un	Un	CA _{mt} .
Wb 12A	413433N0730326.2	do	1947	295	Drc	6	110	100	Sg	100-110	6	.030	SD	-	27	9-47	25p	63	-	AC	W	
Wb 14	413212N0730218.1	The Aljim Co.	-	255	Drc	6	80	-	S	-	-	-	SD	-	16	4-43	-	-	-	Un	Un	Well unused at least since 1943. Formerly used in brewery.
Wb 16	413606N0730335.1	Chase Brass and Copper Co., Inc.	1928	295	Drc	10	86	78	Sg	78-86	8	-	SD	86	16	-28	600p	10	24	Ind	W	CA _{mt} . 1964 PR = 600 gpm.
Wb 16A	413604N0730335.1	do	-	295	Drc	-	50	45	S	45-50	-	-	SD	50	-	-	250p	-	-	Ind	W	1964 PR = 350 gpm.
Wb 17	413535N0730325.1	do	1943	290	Drc	10	46	25	G	25-33	10	-	SD	-	14	-	300p	-	-	Ind	W	CA _{mt} . 1963 PR = 280 gpm.
Wb 18	413430N0730339.1	Chromium Corp. of America	1933	290	Drc	10	80	72	S	72-80	10	-	SD	-	-	-	100p	40	-	Un	Un	Former ind use. Unused since 1966.
Wb 61	413137N0730222.1	Krodel Foundry, Inc.	1928	275	Drc	6	71	10	OH	-	-	-	Crys	10	-	-	6b	-	-	Ind	W	CA _t .
Wb 65	413322N0730244.1	Eyelet Specialty Co.	1941	290	Drc	4	72	52	S	52-72	4	-	SD	-	27	-	100p	-	-	Un	Des	
Wb 93	413134N0730217.1	Mrs. S. Nichols	-	320	Dug	32	33	0	OS	-	-	-	SD	-	28	10-43	-	-	-	Un	Obs	WL.
Wb 176	413200N0725854.1	Mrs. Frank Bergin	1915	650	Dug	30	16	0	OS	-	-	-	Till	-	16	10-43	-	-	-	Un	Un	WL. Former dam and obs well.
Wb 198	413245N0725842.1	A. A. Baker	-	540	Dug	30	31	0	OS	-	-	-	Till	-	20	10-43	-	-	-	Un	Obs	WL.
Wb 334	413059N0730322.1	Bristol Co.	1932	215	Drc	10	47	-	Sg	-	-	-	SD	-	16	9-59	160p	21	-	Ind	W	CA _{mt} . Yield data from 1959 test.
Wb 335	413057N0730322.1	do	1943	210	Drc	10	53	46	S	46-53	12	-	SD	-	12	9-59	172p	16	1	Ind	W	Yield data from 1959 test.
Wb 336	413100N0730323.1	do	1932	215	Drc	4	64	44	S	44-64	10	-	SD	-	18	8-66	60p	-	-	Un	Un	WL.
Wb 339	413210N0730215.1	Conn. Light & Power Co.	1944	250	Drc	16	43	35	Sg	35-43	16	.080	SD	-	17	-45	400p	13	-	Un	Un	CA _{mt} .
Wb 340	413210N0730215.2	do	1944	250	Dv	2	41	-	WP	-	-	-	SD	-	18	8-66	-	-	-	Un	Un	WL.
Wb 341	413413N0730329.1	Leo Mfg. Co.	1957	275	Dv	2	20	-	WP	-	-	-	SD	-	10	7-57	-	-	-	Un	Un	Data apply to 2 wells, pumped together at 218 gpm. One developed "cracked casing", and both replaced by Wb 341A.
Wb 341A	413413N0730329.2	do	1966	270	Dv	2	25	20	WP	20-25	2	.010	SD	-	10	-66	100p	0	8	Ind	W	CA _t .
Wb 341B	413413N0730329.3	do	1967	270	Drc	8	42	34	S	34-42	8	.025	SD	-	14	10-67	200p	7	24	Ind	W	
Wb 342	413421N0730335.1	Waterbury Rolling Mills, Inc.	1931	275	Drc	8	450	103	OH	-	-	-	Crys	103	-	-	125p	-	-	Un	Un	Well never used because of inadequate yield and high cost of pumping. CA _t . 1966 PR = 100 gpm.
Wb 343	413437N0730318.1	Brock-Hall Dairy Co.	1945	290	Drc	6	74	69	Sg	69-74	8	.060	SD	-	23	-45	200p	-	-	AC	W	L. Also .060-in slot. 1966 PR = 75 gpm.
Wb 344	413408N0730015.1	Cly Del Mfg. Co.	1956	460	Drc	8	35	25	S	25-35	8	.040	SD	-	3	12-56	115p	22	8	Ind	W	L. Also cased 40-44 ft.
Wb 345	413407N0730001.1	do	1956	455	Drc	8	44	30	S	30-40	10	.060	SD	-	1	12-66	150p	33	8	Un	W	CA _t . L. Also cased 37-44 ft.
Wb 346	413404N0730005.1	do	1956	455	Drc	8	44	27	S	27-37	8	.060	SD	44	5	12-56	250p	22	8	Ind	W	CA _t . 1966 PR = 80-100 gpm. Screen fills with sand. Replaced in 1968 by Wb 374.
Wb 368	413213N0730216.1	Production Finishing, Inc.	1961	255	Dr	8	46	36	S	36-46	8	-	SD	-	10	5-61	115p	24	-	Ind	Un	CA _{mt} . L. Variable PR during yield test (90-210 gpm). Maximum drawdown 27 ft.
Wb 369	413216N0730219.1	ThinSheet Metals Co.	1965	255	Drc	8	60	56	S	56-60	8	.045	SD	-	-	-	-	-	4	Ind	W	CA _{mt} . L. Variable PR during yield test (90-210 gpm). Maximum drawdown 27 ft.
Wb 370	413113N0730336.1	E. Livingston	1958	410	Dr	6	101	12	OH	-	-	-	Crys	12	14	10-58	6	87	1	Dom	W	CA _t .
Wb 371	413517N0730226.1	R. Gee	1860	500	Dug	24	15	0	OS	-	-	-	Till	-	4	4-67	-	-	-	Dom	W	CA _t . Well goes dry part of most summers.
Wb 372	413216N0730225.1	D. Jannetty	1957	255	Drc	6	90	45	OH	-	-	-	Crys	42	10	6-57	5b	65	2	Un	Un	Formerly used at bait and tackle shop, now closed.
Wb 373	413348N0730012.1	G. Fox and Co.	1967	455	Drc	10	44	34	S	34-44	10	.040	SD	-	5	11-67	178p	29	24	AC	W	L.
Wb 374	413213N0730216.2	Production Finishing, Inc.	1968	255	Drc	10	84	75	Sg	75-84	10	.040	SD	-	16	6-68	170p	52	24	Ind	W	L. Replaces Wb 368.

Table 1.--Records of wells--Continued

Well no.	Location	Owner	Year completed	Altitude (feet)	Type of well	Diameter (inches)	Total depth (feet)	Depth of casing (feet)	Finish			Aquifer	Depth to bed-rock (feet)	Water level		Yield test			Use of water	Status of well	Remarks	
									Type	From-to (feet)	Diameter (inches)			Slot size (inches)	Depth (feet)	Date measured	Yield (gpm)	Draw-down (feet)				Duration (hours)
TOWN OF WATERTOWN																						
Wa 1	413612N0730647.1	Princeton Industrial Park	1950	480	Drc	10	27	17	Sg	17-27	10	.080	SD	-	4	-50	165p	-	-	Ind	W	CA _L .
Wa 2	413609N0730646.1	do	1959	480	Drc	8	27	22	S	22-27	8	.040	SD	-	4	8-59	50p	20	24	Ind	W	L.
Wa 3	413607N0730646.1	do	1959	480	Drc	8	24	19	S	19-24	8	.040	SD	-	3	9-59	50p	21	8	Ind	W	
Wa 4	413714N0730905.1	Mt. Olivet Cemetery	1959	825	Drc	8	255	146	OH				Crys	146	60	8-59	20	-	-	Com	W	CA.
Wa 5	413740N0730416.1	Summit Finishing Co.	1968	310	Drc	10	53	38	S	38-53	10	.070	SD	-	6	8-68	300p	25	24	Ind	W	L. Location approximate.
Wa 6	413739N0730415.1	do	1968	310	Drc	10	51	39	S	39-51	10	.070	SD	-	7	8-68	300p	9	24	Ind	W	L. Location approximate.
TOWN OF WINCHESTER																						
Wt 13	415259N0730834.1	H. Hill	1956	1,190	Dr	6	120	63	OH				Crys	63	20	3-56	8	100	2	Dom	W	CA.
TOWN OF WOLCOTT																						
Wc 9	413601N0725913.1	Kras Tool Co.	1954	630	Dr	6	100	10	OH				Crys	10	8	-54	26	-	-	Ind	W	CA.
Wc 16	413408N0725653.1	Chase Country Club	1953	685	Drc	8	205	30	OH				Crys	20	10	4-53	20	50	-	Com	W	CA _L .
Wc 28	413615N0725938.1	L. Albert	1959	790	Dr	6	175	64	OH				Crys	60	35	1-59	9	70	-	Dom	W	CA.
Wc 29	413718N0725956.1	R. Gamble	1959	950	Dr	6	265	18	OH				Crys	18	-	-	2	180	-	Dom	W	CA.
Wc 30	413643N0730017.1	A. Provost	-	900	Dug	30	17	0	OS				Till	-	10	4-67	-	-	-	Dom	W	
Wc 30A	413555N0725946.1	W. E. Milo	1956	765	Dr	6	225	-	OH				Crys	-	-	-	9	-	-	Dom	W	CA _L . Water treated for iron.
Wc 31	413402N0725845.1	E. Snyder	1958	650	Dr	6	154	72	OH				Crys	72	19	4-58	11	121	1	Dom	W	CA _L .
Wc 31A	413617N0725916.1	H. P. Cosgrove	1952	700	Dr	6	-	-	OH				Crys	-	-	-	-	-	-	Dom	W	CA _L . Water treated for iron. Total depth 90-120 ft.
Wc 32	413706N0730033.1	Vincent O'Neill	1966	1,010	Dr	6	300	20	OH				Crys	15	-	-	<1	-	-	Dom	W	CA _L .
TOWN OF WOODBURY																						
Wy 1	413202N0731224.1	Irene Thulin	-	270	Dug	30	30	0	OS				SD	-	32	10-13	-	-	-	Un	Obs	WL.
Wy 5	413227N0731312.1	F. N. Taff	-	265	Dug	40	33	0	OS				SD	55	33	9-65	-	-	-	Un	Un	Replaced by drilled well.
Wy 6	413308N0731348.1	Robert Mayhall	-	570	Dug	24	26	26	OE				Till	-	22	9-65	-	-	-	Un	Obs	WL.
Wy 7	413212N0731056.1	L. D. Warner	-	645	Dug	25	35	0	OS				Till	-	31	10-65	-	-	-	Un	Obs	WL.
Wy 8	413151N0731514.1	T. Demko	-	835	Dug	24	13	0	OS				Till	-	12	10-65	-	-	-	Un	Obs	WL.
Wy 9	413307N0731252.1	U.S. Geol. Survey	1967	255	Dv	2	11	8	WP	8-10	2	.006	-	-	6	10-67	-	-	-	Un	Obs	WL. Well taps alluvium overlying SD.
Wy 11	413325N0731235.1	Woodbury Water Co.	1957	265	Dr	8	126	117	S	117-126	6	.050	SD	126	12	8-57	107p	83	8	PS	W	CA _L . 1967 PR less than 100 gpm. pumps sand.
Wy 12	413607N0731026.1	Watertown Fire Dist.	1956	445	Drc	8	35	30	S	30-35	10	.125	SD	-	12	10-56	80p	16	24	PS	W	CA _L .
Wy 13	413611N0731026.1	do	1956	450	Drc	8	32	27	S	27-32	10	.125	SD	-	11	10-56	135p	14	24	PS	W	CA _L .
Wy 14	413608N0731025.1	do	1956	450	Drc	8	39	29	S	29-39	10	.125	SD	-	11	10-56	190p	18	24	PS	W	CA _L .
Wy 15	413610N0731024.1	do	1956	250	Drc	8	40	35	S	35-40	10	.125	SD	-	11	10-56	215p	19	24	PS	W	CA _L .
Wy 16	413612N0731024.1	do	1956	450	Drc	8	40	35	S	35-40	10	.125	SD	-	12	10-56	130p	18	24	PS	W	CA _L .
Wy 18	413607N0731022.1	do	-	450	Dug	180	18	1	OS				SD	-	-	-	-	-	-	PS	W	
Wy 20	413253N0731232.1	Town of Woodbury	1948	280	Drc	6	104	94	S	94-104	6	.030	SD	-	-	-	40p	60	-	Inst	W	CA _L . Elementary school.
Wy 21	413136N0731229.1	W. Rapp	1956	250	Dr	6	93	47	OH				Sed-V	45	25	11-56	15	35	3	Dom	W	CA _L .
Wy 22	413156N0731305.1	K. H. Minor	1965	420	Drr	6	246	150	OH				Sed-V	135	-	-	3p	28	1	Dom	W	CA.
Wy 23	413121N0731227.1	Woodbury Water Co.	1967	215	Dr	10	54	39	SG	39-54	10	.070	SD	-	4	9-67	317p	37	24	PS	W	L.
Wy 24	413318N0731242.1	F. A. Warren	1960	300	Drc	6	123	118	S	118-123	6	.015	SD	-	56	-60	5	64	-	Dom	W	

Table 2.--Logs of selected wells
(includes logs of production wells and nearby test wells)

Well number, latitude and longitude location number,
and owner listed under each town.

Text describes well-numbering and location system.

See table 1 for more well information.

Total depth penetrated may be greater than finished
depth of well shown in table 1.

Data from drillers' logs unless otherwise noted.
U.S. Geological Survey logs based on interpretations
by W. E. Wilson.

Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Town of Derby		Mo 43. 411847N0731318.2. Monroe Water Co.		Na 29. 412924N0730314.1. UniRoyal Inc., Footwear Div.	
De 2. 411952N0730636.1. Birmingham Water Co. Log from 87-ft test well at same site.		Muck and clay	5 5	No record	8 8
Sand, fine, silty	10 10	Sand to gravel, brown	9 14	Boulders and stones	20 28
Sand and gravel, dirty	5 15	Sand, brown	15 29	Gravel and stones	6 34
Gravel hardpan	5 20	Sand to gravel, gray	7 36	Gravel, stony, and coarse sand	68 102
Gravel, fine	5 25	Bedrock	at 36	Sand, fine, brown, muddy, and some clay	8 110
Gravel hardpan	5 30	Mo 44. 411845N0731316.1. Monroe Water Co.		Na 30. 412806N0730309.1. UniRoyal Inc., Naugatuck Chem. Div.	
Gravel	5 35	Muck and clay, gray	5 5	Boulders, gravel, sand, and silt	7 7
Hardpan	15 50	Sand to gravel, coarse, brown	14 19	Gravel, sand, and traces of clay	18 25
Sand, clean, brown	5 55	Sand to gravel, coarse, gray	8 27	Gravel, coarse sand, and some clay	30 55
Sand, clean, gray	5 60	Bedrock	at 27	Sand, coarse, and some gravel	9 64
Sand and gravel, clean	15 75	Town of Naugatuck		Sand, fine, and some silt	7 71
Sand and gravel, clean	5 80	Na 9. 412802N0730045.1. Conn. Water Co., Naugatuck Div.		Sand and gravel	12 83
Sand, coarse, clean	5 85	Cobbles and boulder	14 14	Na 31. 412801N0730053.1. Conn. Water Co., Naugatuck Div.	
Gravel	2 87	Sand, fine, dirty	54 68	Cobbles and boulder hardpan	15 15
De 3. 411931N0730555.1. Birmingham Water Co.		Sand, coarse	6 74	Sand, fine, and clay	10 25
Hardpan and boulders	30 30	No record	2 76	Sand, fine	15 40
Gravel, very coarse, and boulders	32 62	Na 10. 412800N0730047.1. Conn. Water Co., Naugatuck Div.		Sand, coarse, and some gravel	11 51
De 4. 411900N0730512.1. Town of Derby.		Cobbles and gravel hardpan	24 24	Hardpan	21 72
Fill and muck	5 5	Sand, fine, dirty	36 60	Ledge	at 72
Silt and clay	5 10	Sand, dirty	14 74	Na 32. 412810N0730308.1. UniRoyal Inc., Naugatuck Chem. Div.	
Sand, medium, and gravel	10 20	Ledge	at 74	Boulders, gravel, sand, and silt	10 10
Sand, medium	5 25	Na 11. 412759N0730050.1. Conn. Water Co., Naugatuck Div.		Sand and gravel	30 40
Sand, fine	10 35	Cobbles and gravel hardpan	16 16	Sand, medium, some gravel, and some silt	26 66
Sand, very fine	15 50	Sand, dirty	34 50	Sand, medium, and some silt	16 82
De 6. 411939N0730608.1. W. E. Bassett Co.		Sand, coarse, dirty	14 64	Sand, fine, and silt	19 101
Gravel, coarse and silty	12 12	Na 12. 412750N0730054.1. Conn. Water Co., Naugatuck Div.		Na 34. 412813N0730307.1. UniRoyal Inc., Naugatuck Chem. Div.	
Gravel, sandy	3 15	Sand, coarse, and fine gravel	20 20	Gravel, sand, and silt	28 28
Gravel, silty	8 23	Gravel, medium, clean	10 30	Boulders, large, and silt	5 33
Gravel, coarse	5 28	Gravel, medium, with some coarse sand	5 35	Gravel and coarse sand	54 87
Gravel, sandy, hard-packed	15 43	Gravel, coarse, with some coarse sand	5 40	No record	1 88
Sand, fine to medium, silty	7 50	Sand, coarse	10 50	Na 35. 412852N0730303.1. UniRoyal Inc., Naugatuck Chem. Div.	
Sand, coarse with little fine gravel	3 53	Gravel, medium to coarse, poorly sorted, with coarse sand	5 55	Fill	15 15
Sand, coarse and silty gravel	8 61	Gravel, medium, and coarse sand	1 56	Sand and gravel, gray	15 30
De 7. 411937N0730610.1. Birmingham Water Co.		Boulder	2 58	Sand, fine	10 40
Gravel hardpan	25 25	Sand, coarse	7 65	Sand, coarse, and some gravel	43 83
Sand, coarse, and gravel	15 40	Sand, coarse to fine	9 74	Boulders	7 90
Sand, medium to coarse	20 60	Rock	9 83	Sand, coarse, gray	10 100
Sand, coarse, and gravel	9 69	Na 16A. 412801N0730049.2 Conn. Water Co., Naugatuck Div.		Gravel, large, and coarse sand	16 116
Clay to hardpan	7 76	Sand, coarse	15 15	Gravel and some clay	3 119
Ledge	4 80	Boulder, large	5 20	Na 37. 412810N0730229.1. Peter Paul, Inc.	
Town of Milford		Sand, coarse	5 25	Clay and silt	86 86
MI 1. 411315N0730444.1. Milford Water Co.		Quicksand	15 40	Sand	15 101
Topsoil	5 5	Sand, fine	10 50	Bedrock	at 101
Gravel, dirty	15 20	Sand, coarse to fine	5 55	Na 38. 412806N0730228.1. Peter Paul, Inc.	
Gravel with some clay	10 30	Sand, medium	5 60	Cobble hardpan	35 35
Clay and silt	6 36	Sand, fine	10 70	Gravel, dirty, with clay	5 40
Gravel hardpan	8 44	Sand, fine to medium	5 75	Gravel, coarse, dirty	20 60
Sand, fine	21 65	Sand, coarse	5 80	No record	3 63
Gravel hardpan	8 68	Na 22. 412913N0730318.1. UniRoyal, Inc., Footwear Div.		Na 39. 412805N0730227.1. Peter Paul, Inc.	
Hardpan	3 74	Cinders, rocks, boulders, and gravel	4 4	Cobble hardpan	30 30
No record	6 74	Sand, coarse, gravel, and boulders	9 13	Sand, dirty, with clay	30 60
MI 2. 411309N0730448.1. Milford Water Co.		Sand, muddy, gravel, and boulders	4 17	Na 40. 412807N0730229.1. Peter Paul, Inc.	
Sand and gravel	11 11	Sand, coarse, gravel, and boulders	22 39	Sand, medium	10 10
Gravel hardpan	3 14	Sand, fine to coarse, gravel and boulders, little yellow clay	81 120	Sand, coarse, some gravel	15 25
Gravel, dirty, coarse	15 29	Na 24. 412914N0730321.1. UniRoyal, Inc., Footwear Div.		Sand, medium	6 31
Silt and clay	8 37	Sand, coarse, with some gravel	73 73	Sand, coarse, layers of clay	16 47
Ledge	at 37	Sand, medium	5 78	Sand, coarse	12 59
Town of Monroe		Gravel, sand, and boulders	29.5 107.5	Hardpan	3 62
Mo 40. 411847N0731318.1. Monroe Water Co.		Bedrock	at 107.5	Town of Newtown	
Muck	1 1	Na 11. 412403N0731604.1. Fairfield Hills Hosp.		Gravel	5 5
Sand, clay, and boulders	6 7	Sand, very fine, tan	10 15	Sand, medium to coarse, tan	15 30
Sand, silty, to gravel, and boulders	11 18	Sand, medium to coarse, grayish-tan	20 50	Sand, medium to coarse, tan	40 90
Sand, clean, to gravel, and boulders	4.5 22.5	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Bedrock	at 90
Bedrock	at 22.5	Sand, medium to coarse, little fine gravel	30 30	Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Mo 41. 411817N0731229.1. Monroe Water Co.		Sand, fine, brown	10 40	Sand and pebble gravel	20 60
Peat	14 14	Sand, coarse, clean	25 85	Sand, medium to coarse	2 87
Silt and clay	6 20	No record	21 108	Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Sand, medium	10 30	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Sand, coarse, and clay	7 37	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Sand, fine, and clay	9 46	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
No record	1 47	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Bedrock	at 47	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Mo 42. 411847N0731320.1. Monroe Water Co.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Muck and clay	5 5	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Sand to gravel, clayey, gray	3 8	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Sand to gravel, brown	8 16	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Hardpan	2 18	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Sand to gravel, brown	4 22	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Sand to gravel, gray	6 28	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	
Bedrock	at 28	Na 12. 412400N0731559.1. Fairfield Hills Hosp.		Na 12. 412400N0731559.1. Fairfield Hills Hosp.	

Table 2.--Logs of selected wells--Cont.

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Newtown--Cont.								
Nt 14, 412511N0731641.1. Town of Newtown.			Sh 3A, 412115N0730824.1. Bridgeport Hydraulic Co.			Sh 8. (Cont.)		
Fill: Sand, clean	20	20	Sand, fine, silty, brown	9	9	Sand, fine, brown; mica and boulders	3	128
Sand, fine, with clay	30	50	Sand, coarse, multicolored; gravel, and layers of boulders	31	40	Sand, fine to coarse; grits, gravel, mica, and boulders	35	163
Sand, very fine, with some clay	21.5	71.5	Sand, medium, brown; grits, and some gravel	8	48	Sand, fine, brown; some grits, and mica	5	168
Nt 15, 412429N0731651.1. U.S. Geol. Survey. U.S. Geol. Survey log.			Sand, fine, brown; some grits, and mica	7	55	Sand, coarse, multicolored; grits, gravel, and boulders	6	174
Topsoil and sand	5	5	Sand, medium to coarse, brown; grits, and small gravel	6	61	Sand, fine to coarse, brown; gravel, boulders, and mica	11	185
Gravel	8	13	Sand, very fine, brown, with mica	11	72	Sand, coarse, multicolored; grits, gravel, and large stones	9	194
Sand, fine to medium, with some thin beds of fine pebble gravel	5	18	Sand, medium to coarse, brown; grits, and gravel	12	84	Sand, fine to medium, brown; gravel, large stones, and mica	9	203
Sand, fine to medium	12	30	Sand, fine, brown; grits, and mica	6	90	Sand, medium to very coarse, multicolored; gravel, and boulders	20	223
Sand, medium to coarse, and fine pebble gravel	4	34	Sand, coarse, multicolored; grits, and gravel	8	98			
Sand, very fine, silty	20	54	Sand, medium to coarse; grits, and gravel	17	115	Sh 9, 412113N0730823.1. Bridgeport Hydraulic Co.		
Gravel (?)	3	57	Sand, medium to coarse; grits, gravel, and boulders	55	170	Sand, fine, silty, brown	9	9
Refusal (tilt)		at 57	Sand, fine, brown; grits, and mica	2	172	Sand, coarse; gravel, and boulders	19	28
Town of Oxford								
Ox 3, 412359N0730523.1. Seymour Water Co.			Sand, very coarse, multicolored; grits, gravel, and boulders	13	185	Sand, very fine, silty, brown; mica, some clay, and boulders	38	66
Topsoil	2	2	Sand, fine to coarse; grits, gravel, mica, and boulders	8	193	Sand, coarse, brown; gravel, grits, mica, and boulders	99	165
Hardpan gravel	3	8	Sand, fine to coarse; grits, mica, gravel, and boulders	5	198	Sand, medium, brown; grits, gravel, mica, and boulders	16	181
Gravel	3	11	Sand, fine to medium, brown, with mica	12	210	Sand, coarse, multicolored; grits, gravel, and boulders	7	188
Hardpan gravel, very tight	26	37	Sand, medium to coarse, brown; grits, gravel, and boulders	4	214	Sand, fine to medium, multicolored, with large stones	9	197
Gravel, coarse	21	58		5	219	Sand, medium to coarse, multicolored; grits, gravel, and boulders	3	200
Ox 4, 412405N0730524.1. Seymour Water Co.			Sh 5A, 412115N0730824.2. Bridgeport Hydraulic Co.			Bedrock	9	209
Swamp muck	5	5	Fill	4	4	Sh 10, 412128N0730825.1. Bridgeport Hydraulic Co.		
Gravel, very coarse	5	10	Sand, fine, brown	5	9	Sand, medium, brown	9	9
Gravel, coarse, dirty	15	25	Sand, fine to coarse, gravel, and boulders	16	25	Sand, medium to coarse, brown; gravel, and boulders	23	32
Sand, coarse, yellow, and gravel	15	40	Sand, fine, brown, with mica	76	101	Sand, fine, brown	6	38
Sand, coarse, and gravel	5	45	Sand, fine to coarse, brown, with mica	17	118	Sand, coarse; grits, gravel, and boulders	11	49
Ox 5, 412400N0730524.1. Seymour Water Co.			Sand, coarse, brown; grits, gravel, and boulders	7	125	Sand, fine, brown; mica and some large stones	76	125
Topsoil	2	2	Sand, fine, brown; mica, and grits	29	154	Sand, very coarse; grits, and some large stones	15	140
Gravel and cobbles	7	9	Sand, coarse, brown; grits, gravel, and boulders	55	209	Sand, very fine, brown, and mica	5	205
Sand, dirty	22	31	Sh 6, 412131N0730826.1. Bridgeport Hydraulic Co.			Sand, fine, brown, and mica	9	214
Gravel (hardpan)	8	39	Sand, fine, brown, and loam	12	12	Bedrock		at 214
Sand, coarse, and dirty gravel	11	50	Sand, coarse, multicolored, and large stones	61	73	Sh 27, 411716N0730821.1. Bridgeport Hydraulic Co. Log from 57-ft test well at same site.		
Gravel hardpan, gray	10	60	Sand, very coarse, multicolored; large stones	9	82	Muck, black	5	5
Refusal		at 60	Sand, fine to medium, brown; some mica and stones	48	130	Sand	2	7
Ox 6, 412419N0730530.1. Seymour Water Co.			Sand, very fine, silty, brown, with mica	23	153	Sand and gravel	7	14
Swamp muck	4	4	Sand, coarse, multicolored; large stones	38	191	Sand, fine, dirty	7	21
Cobbles, hard-packed	8	12	Grits, coarse, and gravel	13	204	Clay and gravel	6	27
Sand, fine	3	15	Grits, coarse, and gravel, with large stones and boulders	8	212	Sand and gravel	6	33

Table 2.--Logs of selected wells--Cont.

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Shelton--Cont.			Sb 12. 412924N0731321.2. U.S. Geol. Survey. U.S. Geol. Survey log.			Tn 15. 413835N0730445.1. Whyco Chromium Co.		
Sh 32. 411713N0730440.2. USM Fastener Co., Div. of United Shoe Machinery. Log from 77-ft test well at same site.			Silt, organic, black to brown, and silty brown fine sand	6	6	Cobbles	10	10
Sand, coarse	35	35	Pebble gravel	2	8	Sand, fine, silt, and clay	10	20
Sand with clay	18	53	Sand, medium to coarse, little fine sand with pebbles	4	12	Sand and gravel, dirty	18	38
Sand, coarse, with some clay	5	58	Sand, coarse to very coarse, and fine gravel	3	15	Tn 18. 413837N0730452.1. Whyco Chromium Co.		
Sand with clay	17	75	Gravel, fine to medium, poorly sorted, with some coarse to very coarse sand Gravel, medium to coarse, pebbles and cobbles	10	25	Cobbles, large	2	2
Hardpan	2	77	Sand, coarse to very coarse, and fine gravel, few pebbles	15	40	Muck	2	4
Ledge		at 77	Gravel, fine to medium, and sand, very coarse	7	48	Sand, coarse, clean	9	13
Town of Southbury			No sample	7	55	Sand, medium coarse	7	20
Sb 4. 412928N0731324.1. Paparazzo Development Corp.			Refusal	55.5	at 55.5	Tn 19. 413836N0730446.1. Whyco Chromium Co.		
Loam	2	2	Sb 20. 412944N0731333.1. Paparazzo Development Corp. Log intervals from driller's log; descriptions from U.S. Geol. Survey log.			Gravel hardpan with boulders	17	17
Sand, coarse, and gravel	13	15	Sand	9	9	Gravel, medium to coarse	19	36
Sand, medium	10	25	Sand, fine to medium, trace of coarse sand, and trace of gravel	12	21	Sand, medium to coarse	4	40
Sand, medium to coarse	5	30	Sand, medium, little coarse to very coarse sand, and little very fine gravel	6	27	Gravel, medium to coarse	7	47
Sand, coarse	5	35	Sand, very fine, and trace of medium to coarse sand	4	31	Sand, fine, with clay	4	51
Sand, medium	5	40	Sand, very fine, and little silt	18	49	Ledge	5	56
Sand, coarse, and gravel	5	45	Gravel, dirty, pebbly, red (till?)	4	53	Town of Waterbury		
Sand, coarse	15	60	Till, silty, red, pebbly	11	64	Wb 344. 413408N0730015.1. Cly Del Manufacturing Co.		
Sand, fine	5	65	Rock, red	15	79	Hardpan gravel	25	25
Sb 5. 412924N0731324.1. Paparazzo Development Corp.			Sb 21. 412931N0731328.1. Paparazzo Development Corp. Log intervals from driller's log; descriptions from U.S. Geol. Survey log.			Gravel with some clay	10	28
Sand and gravel	15	15	Muck and alluvium	10	10	Gravel	4	32
Silt and clay	5	20	Sand, silty, very fine, little medium to coarse sand, and trace of very fine gravel, olive	5	15	Hardpan gravel	12	44
Sand, coarse, and gravel	5	25	Sand, silty, very fine, gray	5	20	Wb 345. 413407N0730001.1. Cly Del Manufacturing Co.		
Sand, coarse	5	30	Silt and very fine sand, clayey, gray	5	25	Hardpan gravel	3	3
Sand, coarse, and gravel	7	37	Sand, very fine to fine, and medium to coarse sand, and little very fine gravel, gray	5	30	Topsoil	31	34
Sand, medium	5	42	Sand, fine to fine, and medium to coarse sand, and little very fine gravel, gray	5	35	Hardpan gravel	10	44
Sand, coarse	20	62	Sand, medium, some coarse to very coarse sand, and trace of gravel	5	40	Gravel with some clay	at 44	
Sand, fine, and silt	6	68	Sand, medium, little coarse to very coarse sand, and trace of gravel	5	45	Wb 369. 413216N0730219.1. Thinsheet Metals Co. Log from 67-ft test well at same site.		
Sb 6. 412930N0731325.1. Paparazzo Development Corp.			Sand, medium to coarse, and little fine gravel	5	45	Fill	9.5	9.5
Sand, coarse, and gravel	15	15	Sand, medium, little fine sand, and little fine gravel	5	50	Fill: Sand and gravel	5.8	15.3
Sand, coarse	5	20	Sand, fine to medium, trace of coarse sand, and trace of gravel	5	55	Sand and gravel hardpan	4.7	20
Sand, medium to coarse	5	25	Sand, medium to coarse, and trace of gravel	5	60	Sand, very fine to fine, and some silt Sand, very fine	5	25
Sand, medium	15	40	Sand, fine to medium, trace of coarse sand, and trace of gravel	5	63	Sand, fine to coarse, trace of fine gravel, and layers of silty sand	12	37
Sand, coarse	5	45	Till, pebbly, dirty, red	7	70	Sand and gravel hardpan, layers of fine sand, and rock fragments	7	44
Sand, coarse, and gravel	5	50	Town of Stratford			Refusal	22.8	66.8
Sand, coarse	5	55	St 11. 410934N0730649.1. Town of Stratford.			Wb 373. 413348N0730012.1. G. Fox and Co.		
Gravel hardpan	3	61	Fill, sanitary	13	13	Fill	8	8
Refusal	at 61		Sand, fine, gray	2	15	Sand, fine, and clay	15	23
Sb 7. 412926N0731324.1. Paparazzo Development Corp.			Sand, gray	5	20	Sand, medium, with clay	5	28
Sand and gravel	10	10	Sand, fine and coarse, with bird's-eye gravel, brown	5	25	Sand, fine, and clay	11	39
Clay, gray	7	13	Sand, brown	2	27	Sand, medium, with clay	3	42
Sand, coarse, and fine gravel	17	30	Sand, fine, silty, non water-bearing, brown	33	60	Sand, coarse, with layers of clay	11	53
Sand, coarse	11	44	St. 12. 411449N0730552.1. United Aircraft Corp., Sikorsky Aircraft Div. Log from 38-ft test well 2 ft away.			Hardpan	11	64
Sand, fine	5	50	Sand, fine	17	18	Refusal	at 64	
Sand, medium	14	64	Sand, medium, and clay, brown	18	35	Wb 374. 413213N0730216.2. Production Finishing, Inc.		
Gravel hardpan	2	66	No record	3	38	Cobble hardpan	15	15
Sb 8. 412924N0731324.2. Paparazzo Development Corp.			Rock	at 38		Sand, coarse, and gravel	10	25
Loam	2	2	Town of Thomaston			Sand, medium to coarse	5	30
Cobble hardpan	9	11	Tn 13. 412937N0730506.1. Thomaston Water Co.			Sand, coarse, and gravel	25	55
Sand, coarse	19	30	Peat	5	5	Sand, fine to medium	5	60
Sand, medium	5	35	Sand, cuddy	10	10	Clay and fine sand	7	67
Sand, medium to coarse	10	45	Clay	5	15	Sand, medium to fine, dirty	8	75
Sand, fine	5	50	Sand	5	20	Sand, medium to coarse, and traces of clay	10	85
Sand, medium	14	64	Sand, and fine gravel, water-bearing	5	25	Refusal	at 85	
Gravel hardpan	2	66	No record	5	30	Town of Watertown		
Sb 9. 412928N0731322.1. U.S. Geol. Survey. U.S. Geol. Survey log.			Clay and fine sand	3	38	Wa 2. 413609N0730646.1. Princeton Industrial Park.		
Topsoil	5	5	Gravel, hard, no water	12	50	Soil, black	3	3
Silt, black, organic	2	7	Tn 14. 413906N0730528.1. Thomaston Water Co.			Sand, fine, with mica and clay	24	27
Gravel and pebbles	2	9	Gravel and boulders	15	15	Wa 5. 413740N0730416.1. Summit Finishing Co.		
Sand, coarse to very coarse, and some gramules	2	11	Sand, medium	5	20	Cobbles, very hard	11	11
Sand, very fine, and silt	9	20	Sand, fine	5	25	Sand, coarse, and some pea gravel	9	20
Sand, very fine, and silt, gray; some clay Sand, coarse to very coarse, and fine gravel	9.5	29.5	Sand, fine, water-bearing	5	35	Sand, coarse, with layers of clay	15	35
Sand, coarse to very coarse, and fine gravel	20.5	50	Clay and fine sand	3	38	Sand, medium to coarse	10	45
Sand, coarse to very coarse, and fine to medium gravel	10	60	Gravel, hard, no water	9	104	Sand, medium to fine	3	48
Sand, medium to coarse, some very coarse sand	5	65	Town of Watertown			Sand, coarse, and gravel	5	53
Sand, very coarse, and some fine gravel	3	68	Wa 2. 413609N0730646.1. Princeton Industrial Park.			Soil, black	3	3
Refusal (till)	68		Wa 5. 413740N0730416.1. Summit Finishing Co.			Sand, fine, with mica and clay	24	27
Sb 11. 412928N0731321.1. U.S. Geol. Survey. U.S. Geol. Survey log.			Tn 14. 413906N0730528.1. Thomaston Water Co.			Wa 5. 413740N0730416.1. Summit Finishing Co.		
Silt, black, organic	5	5	Gravel and boulders	15	15	Cobbles, very hard	11	11
Sand, coarse to very coarse, and fine gravel	5	10	Sand, medium	5	20	Sand, coarse, and some pea gravel	9	20
Sand, coarse to very coarse, with some medium sand and fine gravel; sand, medium to coarse at 11.5 ft.	2	12	Sand, fine	5	25	Sand, coarse, with layers of clay	15	35
Sand, fine to medium, gray, with some very coarse sand	8	20	Sand, and gravel, dirty	10	35	Sand, medium to coarse	10	45
Sand, coarse to very coarse, and some fine to medium gravel	10	30	Sand and gravel, clean	10	45	Sand, medium to fine	3	48
Sand, fine to very coarse, and trace of pebble gravel	5	35	Sand and gravel, very dirty	40	85	Sand, coarse, and gravel	5	53
Sand, coarse to very coarse, some fine gravel and pebbles, and some to trace of medium sand	26	61	Sand and gravel, clean	10	95			
Till	1	62	Sand and gravel, dirty	9	104			

Table 2.--Logs of selected wells--Cont.

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
<u>Town of Watertown--Cont.</u>			Wy 13. 413611N0731026.1. Watertown Fire Dist.			Wy 21. 413135N0731229.1. W. Rapp.		
Wa 6. 413738N0730415.1. Summit Finishing Co.			Fill	2	2	Gravel, coarse	45	45
Sand, coarse, and gravel	50	40	Topsoil	2	4	Trap rock, hard, black	48	93
Sand, coarse, gravel, and cobbles	11	51	Hardpan and cobbles	22	26			
			Sand, dirty	6	32			
<u>Town of Woodbury</u>			Wy 14. 413608N0731025.1. Watertown Fire Dist.			Wy 23. 413121N0731227.1. Woodbury Water Co.		
Wy 11. 413325N0731235.1. Woodbury Water Co.			Fill	3	3	Fill	1	1
Sand, very fine, grayish, silt, and mica	20	20	Topsoil	2	5	Clay, sandy, dark brown, and large stones	9	10
Sand, very fine, brownish, silt, and mica	25	45	Hardpan and cobbles	20	25	Clay, sandy, brown, and few large stones	15	25
Sand, medium, brown, silt, and mica	19	64	Sand, dirty	14	39	Sand, fine, brown, mica, and few large stones	5	30
Sand, fine, brown, silt, and mica	3	67				Sand, fine, brown, mica, and some clay	5	35
Sand, medium, light gray, few grits, silt, and mica	21	88	Wy 15. 413610N0731024.1. Watertown Fire Dist.			Sand, fine, brown, mica, and some clay	4	39
Sand, medium to fine, gray; few grits, gravel, silt, and mica	26	114	Fill	2	2	Sand, coarse, brown, grits, and gravel	15	54
Sand, medium to coarse, gray; grits, some gravel, silt, mica, and some clay	12	126	Topsoil	2	4	Sand, very fine, silty, brown, and mica	4	58
Rock		at 126	Cobble hardpan	24	28	Sand, very fine, silty, brown, mica, clay, large stones, and boulders	5	63
			Sand, dirty	12	40	Stones, large, boulders, and brown clay	13	76
Wy 12. 413607N0731026.1. Watertown Fire Dist.			Wy 16. 413612N0731024.1. Watertown Fire Dist.					
Fill	4	4	Fill	2	2			
Topsoil	2	6	Topsoil	2	4			
Hardpan and cobbles	22	28	Cobble hardpan	24	28			
Sand, dirty	7	35	Sand, dirty	12	40			

Table 3.--Logs of test holes

Altitude: Estimated from topographic map, except for most Connecticut State Highway Department and U.S. Army, Corps of Engineers borings, whose altitudes were determined by leveling.

U.S. Geol. Survey borings: All logs for which the U.S. Geological Survey is listed as owner are based on hollow-stem 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.

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. Army, Corps of Engineers: Similar to Connecticut State Highway Department borings, except split-spoon sampling was usually continuous above bedrock.

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

Thick- ness (feet)			Depth (feet)			Thick- ness (feet)			Depth (feet)			Thick- ness (feet)			Depth (feet)		
<u>Town of Ansonia</u>						An 4 th. 412028N0730457.1. Conn. State Highway Dept. Drilled 1957. Altitude 41.7 ft. Depth to water 25 ft. est.						BF 2 th. 412538N0730417.1. Conn. State Highway Dept. Drilled 1964. Altitude 105.8 ft. Depth to water 4 ft.					
An 1 th. 412030N0730451.1. Conn. State Highway Dept. Drilled 1957. Altitude 26.5 ft. Depth to water 15 ft. est.						Fill Sand, coarse to medium, gravel, cobbles, brown to tan 3 32 Sand, medium to fine, some silt, brown 5 40 Till(?) : Sand, medium to coarse, gravel, cobbles, silt, brown to tan 2 42 Till(?) : Sand, coarse, gravel, cobbles, small boulder, brown to tan 3 45 Till(?) : Boulders 1 46 Till(?) : Sand, coarse, gravel, cobbles, brown to tan 3 49 Rock 6 55						Sand, coarse, gravel, and some cobbles, trace of silt, brown 7.5 7.5 Gravel, some cobbles, coarse sand, trace of fine sand, silt, gray-brown 8.5 16 Sand, fine, trace of silt, gray-brown 3 19 Sand and gravel, trace of silt, gray- brown 11.5 30.5 Sand, fine, trace of silt, brown 13.5 44 Sand, fine to coarse, trace of gravel, silt, brown-gray 11 55 Sand, fine to coarse, trace of silt, brown 7 62					
Fill: Concrete fragments, little fine to medium sand, trace of silt 2 2 Sand, fine to medium, trace of gravel and silt, brown 6 8 Sand, fine, gravel, trace of cobbles and silt, tan 12 20 Gravel, little coarse to fine sand, trace of cobbles and silt, tan 5 25 Sand, fine, trace of mica and silt, tan 5 30 Sand, fine, trace of medium sand and silt and mica, tan 22 52 Silt, some fine sand, trace of mica, gray Till(?) : Sand, fine, fine gravel, trace of silt, tan 4.5 92.5						An 5 th. 412019N0730429.1. Holy Rosary Church. Drilled 1965. Altitude 25 ft. Depth to water 12.3 ft. Drilled by Soil Testing, Inc.						BF 3 th. 412538N0730415.1. Conn. State Highway Dept. Drilled 1964. Altitude 110.8 ft. Depth to water 9 ft.					
An 2 th. 412030N0730449.1. Conn. State Highway Dept. Drilled 1957. Altitude 26.0 ft. Depth to water 15 ft. est.						Sand, fine to coarse, little fine to medium gravel, trace of silt, cobbles, very dense, yellowish-brown 16.8 16.8 Sand, fine to medium, trace of silt, brown 7.5 24.3 Sand, fine to coarse, dense, brown 7.2 31.5						Fill: Sand, gravel and ashes, brown- black 4.5 4.5 Sand, fine to coarse, some gravel, cobbles, brown 9.5 14 Sand, fine, trace of silt, gray-brown Sand, fine to coarse, some fine gravel, little coarse gravel, brown, trace of cobbles, silt 9.5 38.5 Sand, fine, trace of silt, brown 41.5 80					
Fill: Gravel, sand, concrete fragments, brick, coal 5 5 Fill: Sand, fine, trace of silt, tan to brown 4 9 Fill: Sand, fine, tan, gravel, trace of silt, coal, brick 6 15 Gravel, some fine to coarse sand, trace of silt, little cobbles, tan 6 21 Sand, coarse and medium, little fine sand, trace of gravel, silt, mica, tan 16 37 Sand, fine, trace of medium sand, mica, and silt, light brown 6 43 Sand, fine, little silt and medium sand, tan 11 54 Silt, some fine sand, trace of mica, gray 33 87 Till(?) : Gravel, medium, little fine to coarse sand, trace of silt, cobbles, tan 11 98						An 6 th. 412050N0730451.1. Farrel Corp. Drilled 1964. Altitude 35 ft. Depth to water more than 36.5 ft. Drilled by Soil Testing, Inc.						BF 4 th. 412806N0730307.1. Conn. State Highway Dept. Drilled 1941. Altitude 158.5 ft. Depth to water 0 ft. est.					
An 3 th. 412920N0730452.1. Conn. State Highway Dept. Drilled 1957. Altitude 21.0 ft. Depth to water 5 ft. est.						Sand, fine, little fine to medium gravel, trace of silt, dark-brown 9 9 Sand, fine to coarse, little coarse gravel, trace of silt, medium-compact, brown 4 13 Sand, fine, little fine gravel, trace of silt, medium-compact, dark-brown 22 35 Sand, fine, trace of silt, little fine gravel, compact, yellowish-brown 1.5 36.5						Sand, coarse, silt, gravel, light gray Sand, coarse, uniform 7 18 Gravel, sand, and silt, light brown 14 32 Sand, medium and fine, sand and silt, very light gray 6 38 Gravel, sand, and silt, light gray 13 51 Sand, medium and fine, and silt, light gray 12 63 Gravel, sand, and silt 2 65 Gravel, coarse to fine, sand, silt, brown 18 83 Sand, medium, and silt, light gray 3 86 Gravel, sand, and silt, light gray 4 90 Sand, medium, and silt, light brown 5 95					
Fill 12 12 Sand, fine, little silt, trace of gravel, gray-black 2 14 Gravel, some dark brown, coarse to fine sand, trace of silt and cobbles 4 18 Sand, fine to medium, trace of silt and mica, tan 17 35 Sand, fine, some silt, trace of mica, tan Silt, some fine sand, trace of mica, gray Silt, some fine sand, trace of mica and gravel, tan 2 67 Till(?) : Sand, fine, little medium sand, some medium gravel, trace of silt and mica, tan-hardpan 5 72 Till(?) : Gravel, medium, some fine to medium sand, trace of silt, mica, brown- hardpan 5 77						BF 1 th. 412538N0730420.1. Conn. State Highway Dept. Drilled 1964. Altitude 103.4 ft. Depth to water 4 ft.						BF 5 th. 412631N0730349.1. Conn. State Highway Dept. Drilled 1934. Altitude 125 ft. Depth to water 4 ft. est.					
An 3 th. 412920N0730452.1. Conn. State Highway Dept. Drilled 1957. Altitude 21.0 ft. Depth to water 5 ft. est.						Sand, gravel and cobbles, little silt, gray-brown; little wood chips 9 9 Sand, fine to coarse, trace of silt, gravel, gray 10.5 19.5 Sand, fine to coarse, little gravel, trace of silt, brown-gray 4.5 24 Sand, trace of silt, gravel, brown 14.5 38.5 Sand and gravel, little silt, brown; sand, fine to coarse, brown, trace of silt 10.5 49 Sand, fine to coarse, little gravel, trace of silt, brown 5 54 Sand, fine, trace of silt, brown 9 63 Sand, some gravel, trace of silt, brown 2 65						Sand and boulders 4 4 Sand, fine 56 60 Clay and sand 22 82 Gravel 9 91					
An 3 th. 412920N0730452.1. Conn. State Highway Dept. Drilled 1957. Altitude 21.0 ft. Depth to water 5 ft. est.						BF 6 th. 412632N0730346.1. Conn. State Highway Dept. Drilled 1934. Altitude 130 ft. Depth to water 5 ft. est.						Gravel and boulders 12 12 Sand, fine 56 68 Gravel, hard 7 75					

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Beacon Falls--Cont.			Town of Bethany--Cont.			Town of Derby--Cont.		
BF 7 th. 412647N0730356.1. Seymour Water Co. Drilled 1957. Altitude 135 ft. Depth to water 10 ft. Drilled by S. B. Church Co. Test well screened 40-55 ft, pumped 500 gpm. Water high in iron. Well destroyed.			Be 2 th. 412442N0730151.1. Ansonia Water Co. Drilled 1965. Altitude 464 ft. Depth to water 34 ft. Drilled by Soiltesting, Inc.			De 9 th. 411915N0730504.1. Conn. State Highway Dept. Drilled 1948. Altitude 18.86 ft. Depth to water 15 ft.		
Sand and gravel, good	35	35	Till: Sand, fine to medium, little silt, gravelly, with boulders	80	80	Fill: Gravel	3	3
Sand, coarse, clean	5	40	Bedrock	10	90	Fill: Sand, medium	8	11
Sand, fine, dirty	9	49	Town of Derby			Sand and silt	4	15
Gravel hardpan	10	59	De 1 th. 411908N0730458.1. Conn. State Highway Dept. Drilled 1957. Altitude 12.9 ft. Depth to water 10 ft. est.			Sand, silt and fine gravel	4	19
Gravel	6	55	Sand and cobbles - gravel			Gravel, gray	8	27
Till	5	60	Gravel, sand, silt, some cobbles			Sand, medium, gray	9	36
Ledge		at 60	Sand, silt, mica, some stones, brown			Sand, fine, and silt, gray	7	43
BF 8 th. 412613N0730308.1. Seymour Water Co. Altitude 185 ft. Depth to water 3 ft. est. Drilled by S. B. Church Co.			Till(?) Gravel, cobbles, stones, sand			Sand, fine, and silt, gray and brown	42	85
Boulders	11	11	Rock, soft, 3 ft core recovery			Till(?) Gravel, gray	3	88
Sand, fine, brown	27	38	De 2 th. 411908N0730456.1. Conn. State Highway Dept. Drilled 1957. Altitude 1.6 ft. Depth to water 1 ft. est.			Rock, gray	4	92
Till: Hardpan	14	52	Sand, coarse to medium, trace of silt, mica, brown			De 10 th. 411856N0730510.1. Conn. State Highway Dept. Drilled 1948. Altitude 8.0 ft. Depth to water 8 ft.		
Bedrock		at 52	Sand, fine, dirty, dark brown; trace of silt, mica			Dump fill	1	1
BF 9 th. 412615N0730252.1. Seymour Water Co. Altitude 205 ft. Depth to water 3 ft. est. Drilled by S. B. Church Co.			Gravel, medium, some oily black coarse to fine sand; trace of silt, cobbles			Sand, fine, and dark silt	6	7
Gravel	7	7	Till: Sand, coarse to fine, some medium gravel Trace of silt, rotten rock, cobbles, tan. Glacial till			Sand, medium to coarse, brown, dark silt	5	12
Sand, fine, brown	13	20	Rock, sandy, hard, gray. 7 ft core recovery			Sand, fine, and silt, brown	12	39
Clay, gray	5	25	De 3 th. 411908N0730454.1. Conn. State Highway Dept. Drilled 1957. Altitude 11.1 ft. Depth to water 10 ft. est.			Sand, gravel, and silt, brown	4	43
Till: Hardpan	24	49	Fill: Brick, cement, sand, and silt			Sand, medium, and silt, brown	6	49
Ledge		at 49	Sand and silt, gray			Sand, medium, and silt, gray	19	68
BF 10 th. 412620N0730244.1. Seymour Water Co. Altitude 215 ft. Depth to water 3 ft. est. Drilled by S. B. Church Co.			Gravel, sand, cobbles			Till(?) Gravel, sand, and silt	13	81
Gravel(?) Hardpan	10	10	Sand, fine, and silt			Rock	5	86
Till(?) Hardpan	29	39	Gravel, sand			De 11 th. 411940N0730510.1. Conn. State Highway Dept. Drilled 1949. Altitude 12.6 ft. Depth to water 10 ft. est.		
Ledge		at 39	Till: Gravel, sand, silt, clay (hardpan)			Sand, coarse, gravel, and cobbles	19	19
BF 11 th. 412614N0730354.1. Grasso Construction Co. Drilled 1953. Depth to water more than 26.5 ft. Drilled by Soiltesting, Inc.			Rock, gray, good recovery			Sand, coarse	4	23
Sand and gravel, loose, brown	5	5	De 4 th. 411901N0730505.1. Conn. State Highway Dept. Drilled 1949. Altitude 2.0 ft. Depth to water 0 ft.			Muck, silt, and fine sand, black	2	25
Sand and medium gravel	5	10	Sand, gravel, and muck			Till(?) Sand, silt, and gravel	18.5	43.5
Gravel, coarse, and sand	10	20	Sand, coarse, and gravel			Rock, soft	5	48.5
Gravel, medium, and sand	6.5	26.5	Sand, medium to fine, brown			De 12 th. 411908N0730502.1. Conn. State Highway Dept. Drilled 1948. Altitude 17.5 ft. Depth to water 15 ft. est.		
BF 12 th. 412527N0730413.1. U.S. Geol. Survey. Drilled 1966. Altitude 110 ft. Depth to water 10 ft. est.			Sand, fine, and silt, brown			Fill: Sand and gravel	13	13
Gravel, with cobbles and boulders	15	15	Sand, fine, and silt, gray			Silt and fine sand, black	6	19
Sand, medium, little fine, little coarse sand, little silt, moderate yellowish- brown	40	55	Gravel, sand, silt, clay (hardpan)			Sand and gravel, gray	11	30
Sand, fine, moderate yellowish-brown	10	65	Rock, gray, good recovery			Sand, medium to fine, gray	18	48
Gravel	5	70	De 5 th. 411903N0730506.1. Conn. State Highway Dept. Drilled 1949. Altitude 19 ft. Depth to water 17 ft.			Sand, fine, brown, and mica	52	100
Till	5	75	Fill: Gravel, cobbles, and sand			De 13 th. 411930N0730509.1. Conn. State Highway Dept. Drilled 1948. Altitude 8 ft. Depth to water 5 ft. est.		
Refusal		at 75	Gravel, sand, and cobbles, gray			Loam and silt	5	5
BF 13 th. 412554N0730403.1. U.S. Geol. Survey. Drilled 1966. Altitude 115 ft. Depth to water 5 ft.			Sand, gray, and mica			Sand, fine to medium, brown	9	14
Sand and fine gravel	14	14	Sand, medium to coarse, brown			Gravel and sand	3	17
Gravel, coarse, compact, with silt and sand, dark yellowish-brown	9	23	Sand, fine, brown, and mica			Gravel and coarse sand	8	25
Gravel, coarse, with sand	12	35	Till(?) Gravel, sand, cobbles, and silt			Sand, fine, and silt	15	40
Gravel, fine to coarse, and coarse to very coarse sand, moderate to dark yellowish-brown	23	58	De 6 th. 411909N0730502.1. Conn. State Highway Dept. Drilled 1949. Altitude 12 ft. Depth to water 10 ft. est.			Sand, fine, and some silt	10	50
Till	10	68	Fill: Sand and gravel			Sand, coarse, and some silt and gravel	10	60
Refusal, probable bedrock		at 68	Sand, fine, black silt and rotten wood			Rock	2	62
BF 14 th. 412652N0730406.1. U.S. Geol. Survey. Drilled 1966. Altitude 145 ft. Depth to water 12 ft.			Sand and gravel, gray			De 15 th. 411900N0730513.1. Town of Derby. Drilled 1964. Altitude 8.6 ft. Depth to water 5.5 ft.		
Gravel, with cobbles and boulders	8	8	Sand, fine, and silt, fine, brown			Fill: Sand, fine to coarse, black, some silt, clinders and brick	2	2
Sand	3	11	Sand, fine, and silt, gray			Sand, fine, brown, and mica, trace of silt, and organic matter	5.5	7.5
Sand and fine to coarse gravel, light olive-gray	17	28	De 7 th. 411910N0730505.1. Conn. State Highway Dept. Drilled 1948. Altitude 23.04 ft. Depth to water 15 ft. est.			Sand, fine to coarse, and gravel, little silt, brown	23	30.5
Sand and fine gravel, moderate to dark yellowish-brown	6	34	Fill: Sand, gravel, concrete and some wood			Sand, fine, and mica, little silt, brown	9.5	40
Sand and gravel	11	45	Fill: Sand and gravel, brown			De 16 th. 411859N0730512.1. Town of Derby. Drilled 1964. Altitude 8.3 ft. Depth to water 5.7 ft.		
Gravel, coarse	23	68	Silt, dark, and medium sand			Sand, fine, and silt, brown	2	2
Till, micaceous, gray	3	71	Sand, coarse, and gravel, gray			Sand, fine, brown, with peat layers	7	9
Refusal, probable bedrock		at 71	Boulder			Sand, coarse to fine, gray and coarse to fine gravel	4	18
Town of Bethany			Sand, fine to medium, brown, and mica			Sand, coarse to fine, gray, and gravel	9	27
Be 1 th. 412445N0730149.1. Ansonia Water Co. Drilled 1965. Altitude 443 ft. Depth to water 28 ft. Drilled by Soiltesting, Inc.			De 8 th. 411912N0730505.1. Conn. State Highway Dept. Drilled 1948. Altitude 17.64 ft. Depth to water 15 ft.			Boulder	2	29
Sand, fine, and trace of silt, brown	-	-	Fill: Cinders, slag, and gravel			Sand, coarse to fine, brown, cobbles, some gravel	11	40
Sand, fine, and trace of silt, yellowish- brown	-	-	Sand, silt, and woodchips			De 17 th. 411909N0730454.1. Howard Johnson Restaurant. Drilled 1964. Altitude 30 ft. Depth to water 25 ft. est. Drilled by Soiltesting Inc.		
Sand, fine, and trace of silt, brown	-	-	Gravel, gray			Fill	12	12
Sand, fine, and little silt, brown	-	-	Sand, coarse, gray			Silt, very fine, sand, and trace of clay, black-brown	9	21
Sand, fine to medium, brown, and trace of silt	52	52	Sand, fine, brown, and some silt			Sand, fine to medium, yellow, and trace of black silt	6	27
Boulder		at 52	Till(?) Gravel, coarse			Sand, fine to coarse, and little fine to coarse gravel, trace of silt, brown	9.5	36.5
Sand, fine to medium, cobbles, and boulders, brown	18	70	Rock, hard, gray					
Bedrock, light-gray gneiss	10	80						

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Derby--Cont.			Town of Litchfield			Town of Litchfield--Cont.		
De 18 th. 411934N0730606.1. Conn. Light and Power Co. Drilled 1927. Altitude 3.8 ft. Depth to water 0 ft est.			Lf 1 th. 414419N0730641.1. Conn. State Highway Dept. Drilled 1958. Altitude 502.5 ft. Depth to water 7 ft est.			Lf 9 th. 414650N0730927.1. U.S. Geol. Survey. Drilled 1966. Altitude 865 ft. Depth to water 1 ft.		
Gravel	3	3	Topsoil	0.5	0.5	Muck and peat	3	3
Sand and gravel	50	53	Sand, medium, and silt	6.5	7	Gravel	2	5
Sand, fine, white	10	63	Rock, decomposed	7	14	Sand, very fine to medium, little coarse to very coarse sand, little silt and clay, trace of gravel, medium to dark gray	13	18
Gravel and boulders	7.6	70.6	Rock, soft, gray, no recovery	7	21	Sand, very fine to fine, and silt, trace of medium to coarse sand, olive-gray	24	42
Rock	15.5	86.1				Sand, fine to coarse, some gravel, olive-gray	18	60
De 19 th. 411932N0730610.1. Conn. Light and Power Co. Drilled 1927. Altitude -4.77 ft. Depth to water 0 ft est.			Lf 2 th. 414551N0730708.1. Conn. State Highway Dept. Drilled 1958. Altitude 499.5 ft. Depth to water 5 ft est.			Sand, fine to coarse, little gravel, olive-gray	19	79
Sand, gravel, and boulders	17.4	17.4	Sand and silt	2	2	Silt	1	80
Bedrock	16	33.4	Gravel, fine, medium to coarse sand, trace of fine sand, and trace of silt, gray	14	16	Refusal, probably bedrock		at 80
De 20 th. 411933N0730609.1. Conn. Light and Power Co. Drilled 1927. Altitude -2.52 ft. Depth to water 0 ft est.			Sand, medium to coarse, layers of fine gravel, trace of fine sand and trace of silt, gray	13	29			
Sand, gravel, and boulders	14	14	Sand, medium, trace of silt, gray	5	34			
Sand	21	35	Sand, fine to medium, trace of silt, gray	20.5	54.5			
Bedrock	16	51	Rock, soft to medium, gray	2.5	57			
			Rock, medium, gray, good core recovery	8	65			
Town of Goshen			Lf 3 th. 414551N0730707.1. Conn. State Highway Dept. Drilled 1958. Altitude 505.5 ft. Depth to water 8 ft.			Town of Middlebury		
Go 1 th. 415335N0731035.1. Conn. State Highway Dept. Drilled 1960. Altitude 882 ft. Depth to water 2 ft.			Gravel, sand, and cobbles	5	5	Md 1 th. 413139N0730548.1. Conn. State Highway Dept. Drilled 1941. Altitude 380.8 ft. Depth to water 0 ft est.		
Sand, fine, little silt with organic matter (alluvium), brown	3	3	Gravel, fine, coarse to medium, sand, few cobbles, trace of fine sand and silt, gray	5	10	Gravel, cobbles, and some silt	18	18
Sand, variable, stratified, some silt with gravel inclusions, gray and brown	11	14	Gravel and sand, gray, no recovery	4	14	Sand, brown, and some silt	4	22
Silt, little fine sand, gray to brown	12	26	Sand, medium to coarse, fine gravel, trace of fine sand, gray	5	19	Sand and some silt, brown and gray	12	34
Sand, fine, little silt, gray to brown	4	30	Sand, medium, trace of silt, gray	5	24	Rock	5	39
Sands and gravels, variable, trace of silt with cobbles, brown, (boulder core at 37-39 ft)	12	42	Sand, medium to coarse, trace of fine gravel and fine sand, gray	6	30			
Bedrock, blue-gray gneiss, hard, 57% recovery	7	49	Sand, medium to coarse, layers of fine gravel, trace of fine sand, gray	10	40			
			Sand, medium and fine, little silt, trace of coarse sand, gray	12	52			
Town of Harlington			Gravel, gray	4	56			
Ha 1 th. 414421N0730642.1. Conn. State Highway Dept. Drilled 1958. Altitude 467.8 ft. Depth to water 5 ft est.			Rock, medium, gray, fair core recovery	10	66			
Sand, fine and medium, trace of silt, tan . . . . .	.5	.5						
Gravel, trace of silt, some cobbles, tan, boulder 11.5-12.5	17.5	18	Lf 4 th. 414704N0730908.1. Conn. State Highway Dept. Drilled 1955. Altitude 863.9 ft.					
Sand, fine, some silt, tan	13	31	Loam, silt with large boulders on surface	2	2			
Gravel and decomposed rock fragments, trace of silt, tan	2	33	Till: Sand, silt, fine gravel, gray	3	5			
Rock - gray mica schist - steeply inclined formation	9	42	Sand, fine, silt, and fine gravel, gray	10	15			
Ha 2 th. 414542N0730657.1. Conn. State Highway Dept. Drilled 1962. Altitude 519.8 ft. Depth to water 15 ft.			Sand, fine, silt, fine gravel, gray	10	25			
Till(2): Sand, fine to coarse, brown, little decomposed rock, trace of fine to medium gravel			trace of clay, gray	14	39			
Sand, fine to coarse, brown, little fine to medium gravel			Hardpan					
Sand, fine to coarse, brown, little decomposed rock	13	13	Lf 5 th. 414641N0730812.1. Conn. State Highway Dept. Drilled 1956. Altitude 653.5 ft.					
Sand, fine to coarse, brown, trace of fine to medium gravel	4	17	Silt and fine sand, very soft	2	2			
Topsoil, fine sand, little silt	2	19	Gravel, cobbles, sand, and silt	2.5	4.5			
Sand, fine, brown, some silt	6	25	Till: Hardpan - very hard - no recovery	5.5	10			
Boulder	2	27	Till: Hardpan, cobbles	4	14			
Till(2): Gravel, fine to medium, some coarse sand, some coarse gravel, gray	17	44	Rock, medium hard, gray	7	21			
Gneiss	10	54						
Ha 3 th. 414752N0730459.1. Conn. State Highway Dept. Drilled 1957. Altitude 840.57 ft. Depth to water 3 ft est.			Lf 6 th. 414449N0730658.1. U.S. Army, Corps of Engineers. Drilled 1957. Altitude 497 ft. Depth to water 6 ft.					
Topsoil	1	1	Sand, silty, with roots and organic matter . . . . .	.5	.5			
Sand, fine, and silt, brown	3	4	Gravel, sandy, with decomposed cobbles	4.5	5			
Sand, medium and coarse, gravel (organic), brown and tan	3	7	Till(2): Gravel, silty, sandy (sandy till-like in part)	2	7			
Sand, medium and coarse, gravel, cobbles, gray and tan	5	12	Boulder	2	9			
Sand, medium and fine, and silt, brown and tan	8	20	No sample	1	10			
Till(2): Sand, medium to coarse, gravel, cobbles, and some silt, gray and brown	7	27	Sand, medium to fine, with silt nodules	5	15			
Sand, medium and coarse, gravel, and some silt, gray and tan	3	30	Sand, medium to fine	6	21			
Sand, medium and coarse, gravel, some silt, trace of clay, gray and tan (hardpan)	4	34	Sand, silty, gravelly, with decomposed cobbles	4	25			
Ha 4 th. 414405N0730619.1. U.S. Army, Corps of Engineers. Drilled 1958. Altitude 450.7 ft. Depth to water 1 ft.			Gravel, silty, sandy (till-like in part with decomposed rock)	3	28			
Gravel, sandy, brown, with some silt	13	13	Quartz pegmatite	20	48			
Schist	14.3	27.3						
Ha 5 th. 414238N0730333.1. U.S. Army, Corps of Engineers. Drilled 1958. Altitude 434.6 ft.			Lf 7 th. 414404N0730621.1. U.S. Army, Corps of Engineers. Drilled 1958. Altitude 456.8 ft.					
Sand, fine, silty, (topsoil)	1	1	Topsoil	1	1			
Gravel, sandy	5	6	Sand, fine to coarse, with silt and roots, dark brown	1.5	2.5			
Schist	15	21	Schist	11.5	14			
			Granite	3.5	17.5			
			Lf 8 th. 414348N0730609.1. U.S. Army, Corps of Engineers. Drilled 1958. Altitude 514.4 ft.					
			Sand, silty, gravelly	20.7	20.7			
			Schist	15.3	36			

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Middlebury--Cont.			MI 2 th. 411405N0730411.1. Conn. State Highway Dept. Drilled 1954. Altitude 48.0 ft. Depth to water 0 ft. Drilled by Haller Testing Lab., Inc.			MI 10 th. 411051N0730720.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
MD 7 th. 413025N0730332.1. Conn. State Highway Dept. Drilled 1960. Altitude 693.7 ft. Depth to water 4 ft.			Decayed vegetation and organic matter	8	8	Water	9	9
Till: Topsoil, brown, small boulders, tan fine sand, little silt	3	3	Sand, fine, with gravel, gray	5	13	Sand, medium, fine sand, and sand and shells, gray	6	15
Till: Sand, fine, gray-tan, to gravel, little silt, trace clay (glacial till)	79	82	Sand, coarse, and gravel, brown	10	28	Mud and silt, some peat, brown	21	36
MD 8 th. 413005N0730908.1. Conn. State Highway Dept. Drilled 1960. Altitude 635.7 ft. Depth to water 1 ft.			Sand, fine, gray	5	33	Mud and silt, some peat, brown, and very fine gray sand	14	50
Silt, black, cobbles, boulders on surface Till: Sand, fine, tan, trace of gravel, trace of silt, trace of cobbles	1	1	Silt, gray	5	38	MI 11 th. 411059N0730719.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand, silt, coarse, (trace of gravel, little silt, gray (sandy till)) Gravel, sand, little cobbles, little silt, gray	59	60	Silt, sandy, gray	5	43	Water	6	6
Sand, fine to coarse, little gravel little silt, gray-tan	59	60	Sand, fine, gray	7	50	Sand, medium, gray	9	15
MD 9 th. 413138N0730553.1. Conn. State Highway Dept. Drilled 1941. Altitude 383.3 ft. Depth to water 0 ft. est.			Till: Boulders and cobbles	2	52	Sand, medium to fine, gray, dark silt	7	22
Gravel, cobbles, and some silt	18	18	Till: Sand, fine, with gravel, gray	6	60	Muck, peat and silt, brown	14	36
Sand, and some silt, brown	4	22	No log	2	62	Silt, dark, fine gray sand	4	40
Rock	5	27	Mica schist, soft	3	65	Muck, peat, and silt, brown	10	50
MD 10 th. 413117N0730444.1. Conn. State Highway Dept. Drilled 1941. Altitude 321.7 ft. Depth to water 0 ft. est.			Mica schist, medium hard	4	69			
Gravel, boulders, and some silt	5	5	Mica schist, medium	3	72			
Till (?): Gravel, cobbles, and some silt Rock	23	28						
MD 11 th. 413120N0730442.1. Conn. Water Co., Naugatuck Div., Altitude 325 ft. Depth to water 5 ft. est. Drilled by S. B. Church Co.			MI 3 th. 411335N0730434.1. Conn. State Highway Dept. Drilled 1954. Altitude 61.1 ft. Depth to water 2 ft. Drilled by Haller Test- ing Lab., Inc.			MI 12 th. 411110N0730718.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Topsoil	2	2	Gravel, sandy, and silt, brown, moist	8.5	8.5	Water	10	10
Sand, fine, yellow	15	17	Sand and gravel, gray	5.5	14	Sand, medium to fine, gray, dark silt	9	19
Sand, silt, yellow	5	22	Sand, fine, with gravel and silt, gray and brown	5	19	Muck, peat, and silt, brown	16	35
Till (?): Hardpan	10	32	Gravel, sandy, gray	7	26	Sand, medium to fine, gray	20	55
Sand, fine, gray, with clay	13	45	Sand, silt, gray	33	59			
Cobble hardpan	16	61	Schist, medium, soft	8	67	MI 13 th. 411124N0730707.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Ledge	2	63				Water	10	10
MD 12 th. 413131N0730541.1. U.S. Geol. Survey. Dept. Drilled 1966. Altitude 380 ft. Depth to water 2 ft.			MI 4 th. 411321N0730443.1. Conn. State Highway Dept. Drilled 1954. Altitude 80.4 ft. Depth to water 35 ft. Drilled by Haller Testing Lab., Inc.			Mud	8	18
Sand, very fine to fine, little silt, olive gray	12	12	Gravel and cobbles	2	2	Sand, fine, gray, silt, and wood chips	28	46
Gravel, medium to coarse sand matrix, olive gray	10	22	Boulders	3.5	5.5			
Gravel, coarse	8	30	Broken rock	1.5	7	MI 14 th. 411134N0730657.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Refusal	at 30		Sand, coarse, gray	5	12	Water	7	7
MD 13 th. 412924N0730928.1. UniRoyal, Inc. Dept. Drilled 1967. Altitude 515 ft. Depth to water 0.21 ft.			Boulder	2	14	Mud and sand	1	8
Peat	3	3	Sand and gravel	1.5	15.5	Sand, medium, gray, and silt, woodchips and clam shells	5	13
Sand, medium, gray	12	15	Sand and cobbles	1.5	17	Sand, fine to medium, gray, silt, clam shells, and woodchips	24	37
Sand, fine, gray	6	21	Sand and pea gravel	7.5	24.5	Sand, fine, gray, silt, some peat, woodchips and clam shells	13	50
Sand, very fine to fine, brown	5	26	Cobbles and coarse gravel	2.5	27	Sand, gray	4	54
Sand, medium to coarse with some fine to medium gravel	5	31	Sand, coarse, gray, and some gravel	4	31	MI 15 th. 411149N0730646.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand and gravel, gray	4	35	Sand and gravel with some silt, gray brown Gravel and coarse sand with some silt, gray-brown	6	42	Water	15	15
Refusal	at 35		Sand, coarse, gray, and some small gravel	5	47	Sand, medium, gray	12	27
MD 14 th. 412330N0730927.1. UniRoyal, Inc. Dept. Drilled 1967. Altitude 515 ft. Depth to water 0 ft. est.			Sand, coarse, gray	10	57	Sand, medium to fine, gray, and some silt Sand, fine, gray, some silt	18	45
Fill	3	3	Sand, fine, gray	5.4	62.4	Hardpan or soft rock	0.5	49.5
Sand, very fine to medium, some fine gravel, grayish-brown	7	10	MI 5 th. 411300N0730503.1. Conn. State Highway Dept. Drilled 1954. Altitude 57.6 ft. Depth to water 22 ft. Drilled by Haller Testing Lab., Inc.			MI 16 th. 411127N0730638.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand, medium to very coarse with fine gravel	17	27	Sand with gravel, loose, brown	13	13	Water	12	12
Refusal	at 27		Gravel with sand, brown, wet	7	20	Sand, medium to fine, gray, dark silt	13	25
Town of Milford			Sand and gravel, loose, brown	7	27	Sand, medium to fine, gray	5	30
MI 1 th. 411355N0730419.1. Conn. State Highway Dept. Drilled 1954. Altitude 72.6 ft. Depth to water 16 ft.			Sand with some silt and gravel, brown and gray	5	32	Sand, medium to coarse, gray, and woodchips	20	50
Sand and gravel, brown, also cobbles and boulders	7.5	7.5	Sand, fine, brown and gray, wet	13	45	MI 17 th. 411257N0730635.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand, coarse, with coarse gravel, brown	10	17.5	Rock, hard, broken	5	50	Water	5	5
Sand, medium, brown	10	27.5	Rock, medium to soft, broken	5	55	Sand, medium, gray, some silt and wood- chips	30	35
Silt, brown	5	32.5	MI 6 th. 411247N0730519.1. Conn. State Highway Dept. Drilled 1954. Altitude 62.4 ft. Depth to water 19 ft. Drilled by Haller Testing Lab., Inc.			Peat, brown, layers of gray medium sand	5	40
Sand, fine, silty, brown	5	37.5	Clay, sand, and gravel	8	8	Sand, medium to coarse, gray, some wood- chips	11	51
Sand, fine, brown	5	42.5	Sand and gravel	10	18			
Sand, medium, brown	5	47.5	MI 7 th. 411229N0730542.1. Conn. State Highway Dept. Drilled 1954. Altitude 56.4 ft. Depth to water 14.4 ft. Drilled by Haller Testing Lab., Inc.			MI 18 th. 411309N0730631.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand, silty, brown	5	52.5	Fill	3	3	Water	7	7
Silt, sandy, brown	5	57.5	Sand, very fine to medium, some fine gravel, grayish-brown	7	10	Sand, medium, gray, and woodchips	20	27
Till: Sand with some silt, gravel, well graded, brown	12.5	70	Sand, medium to fine, gray	11	55	Sand, fine to medium, gray, and some woodchips	10	37
Boulders	3	73	Till: Gravel, sandy, compact, brown	5.5	7.5	Sand, fine, gray, and silt, woodchips, layers of peat	8	45
Sand, fine, with gravel, brown	7	80	Sand, coarse, and gravel, brown and gray	5	12.5	Sand, fine, gray, and silt and woodchips Gravel, hardpan, tan	6	51
MI 8 th. 411026N0730659.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.			Cobbles, coarse sand, gravel	3	15.5		3	54
Water	14	14	Gravel, sandy, brown	2	17.5			
Sand, medium, and shells	4	18	Cobbles, sandy gravel	2.5	20			
Muck, peat, and silt, brown	26	44	Gravel, sandy, compact, brown	9	29	MI 19 th. 411354N0730628.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand, medium to fine, gray	11	55	Rocky, broken, soft	16.5	45.5	Water	2	2
MI 9 th. 411039N0730716.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.						Sand, medium, gray, and woodchips	15	17
Water	5	5				Sand, fine to medium, gray, silt and thin layers of peat	15	32
Sand, medium, gray	5	10				Sand, medium, gray, and silt, some wood- chips	12	44
Silt and sand, black	6	16				Gravel, gray	3	47
Muck, peat, and silt, black	44	60				Gravel, gray, hardpan	1	48

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Milford--Cont.			Town of Monroe			Na 5 th. 412904N0730314.1. Conn. State Highway Dept. Drilled 1958. Altitude 181.0 ft. Depth to water 11 ft.		
MI 20 th. 411218N0730631.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.			Mo 7 th. 411826N0731303.1. U.S. Geol. Survey Drilled 1966. Altitude 435 ft. Depth to water 5 ft.			Fill, medium to fine sand, some coarse to fine silt, trace of gravel, loose dark brown	12	12
Water	1	1	Sand and fine gravel	7	7	Gravel, cobbles with coarse to fine gravel, some coarse to medium sand, loose, grayish-tan	4	16
Sand, fine, gray, organic silt, peat	7	8	Sand, medium to coarse, little fine sand, little silt, trace of pebble gravel, dark yellowish-brown	15	22	Sand, coarse to fine, trace of gravel, medium compact, grayish-tan	12	28
Sand, fine, gray	5	13	Sand, very fine to medium, little silt, dark yellowish-brown	13	35	Sand, coarse to fine, some fine gravel, medium compact, grayish-tan	5	33
Sand, fine, gray, some organic silt	5	18	Sand and gravel, interbedded, some compact gravel, light olive-gray to olive-gray	25	60	Sand, coarse to fine, trace of gravel, medium compact, grayish-tan	8	41
Silt, organic, peat, some fine sand	5	23	Refusal, probably bedrock		at 60	Sand, coarse to fine, some fine gravel, medium compact, gray	11	52
Silt, organic, some fine sand, peat, dark gray	5	28	Town of Naugatuck			Na 6 th. 412916N0730310.1. Conn. State Highway Dept. Drilled 1958. Altitude 191.4 ft. Depth to water 19 ft.		
Silt, organic, some fine sand (mica), peat, dark gray	10	38	Na 1 th. 413033N0730258.1. Conn. State Highway Dept. Drilled 1962. Altitude 258.8 ft.			Fill, medium to fine sand, little ashes, loose, dark brown	5	5
Till(?) : Sand, coarse, brown, and fine to medium gravel	5	43	Fill: Blacktop, 2 in. sand, fine to coarse, fine to coarse gravel, cobbles, and silt Fill: Dark brown and brown, fine to coarse sand, silt, trace of gravel, and roots Sand, fine, and silt, trace of gravel, few cobbles, roots, brown	2.5	2.5	Gravel, cobbles, some coarse to fine gravel, little coarse to fine sand, trace of silt, medium compact, tan	6	11
Sand, fine to medium, brown, some gravel	17	60	Sand, silt, trace of gravel, and roots Cobbles, coarse gravel, sand, silt, boulders, very hard	1	3.5	Sand, coarse to fine, some medium to fine gravel, trace of silt, medium compact, grayish-tan	3	14
Sand, fine to coarse, brown round quartz, gravel chopped and washed below casing	2.3	62.3	Sand, fine, and silt, trace of gravel, few cobbles, roots, brown	2	5.5	Sand, medium to fine, very compact, tan Sand, coarse to fine, trace of gravel, very compact, tan	5	52
Rock, flaky mica schist, near vertical laminations	5	67.3	Sand, fine to coarse, trace of gravel, silt, trace of cobbles, trace of mica, brown-tan Na 2 th. 412910N0730330.1. Conn. State Highway Dept. Drilled 1958. Altitude 193.7 ft. Depth to water 4 ft. est.	8.5	25	Fill, medium to fine sand, little ashes, loose, dark brown	5	5
MI 21 th. 411219N0730628.1. Conn. State Highway Dept. Drilled 1955. Altitude 5.9 ft. Depth to water 2.1 ft. (Borehole number 45-HR in Upson and Spencer, 1964, plate 1b.)			Blacktop pavement	1	1	Gravel, cobbles, some coarse to fine gravel, little coarse to fine sand, trace of silt, medium compact, tan	6	11
Fill: Silt, fine sand, trace of gravel, gray, organic	3	3	Organic matter, black, coarse brown sand, some angular gravel, loose to medium compact	4	5	Sand, coarse to fine, some medium to fine gravel, trace of silt, medium compact, grayish-tan	3	14
Sand, coarse to fine, trace of gravel and silt, gray, 1 piece of coal	5	8	Fill: Gravel, angular, black and brown, some round gravel, and coarse brown sand, compact	4	9	Sand, medium to fine, very compact, tan Sand, coarse to fine, trace of gravel, very compact, tan	5	52
Silt, organic, gray, peat, trace of sand and gravel	11	19	Fill: Gravel, angular, coarse to fine, tan, and coarse to fine sand, trace of silt	8	17	Fill: Sand, coarse to fine, some fine gravel, trace of silt, very compact, gray	16	68
Till(?) : Sand, coarse to fine, some gravel trace of silt, brown	38	57	Feldspar, white to pink	2	19	Gneiss, micaceous, sandy, gray	10	78
Rock, gray	5	62	Gneiss, grayish	8.5	27.5	Na 7 th. 412941N0730305.1. Conn. State Highway Dept. Drilled 1958. Altitude 195.7 ft. Depth to water 14 ft.		
MI 25 th. 411447N0730527.1. Conn. State Highway Dept. Drilled 1938. Altitude 0 ft.			Na 3 th. 412902N0730319.1. Conn. State Highway Dept. Drilled 1958. Altitude 194.2 ft. Depth to water 23 ft.			Fill, brown	6	6
Water	15	15	Fill, gray	10	16	Gravel, coarse to fine, waterworn, little coarse to medium sand, compact, tan	3	20
Sand, soft	12	27	Fill: Gravel, angular, black and brown, some round gravel, and coarse brown sand, compact	4	9	Sand, medium to fine, mica, trace of fine gravel, little clayey silt, compact to medium compact, gray	9	29
Ledge, hard	5	32	Fill: Gravel, angular, coarse to fine, tan, and coarse to fine sand, trace of silt	8	17	Sand, coarse to fine, little coarse to fine gravel, trace of silt, compact to medium compact, brownish tan	9	38
MI 26 th. 411448N0730525.1. Conn. State Highway Dept. Drilled 1938. Altitude 0 ft.			Feldspar, white to pink	2	19	Sand, fine, mica, little coarse silt, medium compact to very compact, tan	61	99
Water	1	1	Gneiss, grayish	8.5	27.5	Sand, medium to fine, very compact, tan	5	104
Sand	1	2	Na 4 th. 412904N0730316.1. Conn. State Highway Dept. Drilled 1956. Altitude 195.8 ft. Depth to water 26 ft.			Fill, dark brown	1	1
Rock, soft	1	3	Fill, brown	6	6	Boulders and cobbles, little coarse to fine gravel, little coarse to fine sand, trace of silt, trace of clay, compact, tan	25	29
Ledge	11	14	Fill, gray	10	16	Gravel, coarse to fine, angular, some coarse to fine sand, trace of clay, very compact, tan	19	48
MI 27 th. 411201N0730638.1. Conn. State Highway Dept. Drilled 1918. Altitude 0 ft.			Fill, medium to fine, tan, mica, trace of silt, trace of gravel, medium compact	15	31	Sand, coarse to fine, some coarse to fine gravel, trace of silt, medium compact, gray	9	57
Water	14	14	Fill: Sand, medium to fine, brownish- tan, little coarse to fine silt, trace of clay, little coarse to fine angular gravel, medium compact to compact	9	40	Gravel, coarse to fine, little coarse to fine sand, trace of silt, trace of clay, compact, tan	49	106
Sand, coarse, brown	20	34	Gneiss, solid, gray, sandy, micaceous	5	45	Gneiss, micaceous, sandy, solid, gray	10	116
Loam, sandy, fine, gray	10	44	Na 8 th. 413005N0730254.1. Conn. State Highway Dept. Drilled 1958. Altitude 205.1 ft. Depth to water 15 ft.			Fill, dark brown	4	4
Sand, fine, gray	6	50	Fill, coarse to fine sand, little clayey silt, compact	4	28	Boulders and cobbles, little coarse to fine gravel, little coarse to fine sand, trace of silt, trace of clay, compact, tan	25	29
Rock	4	54	Gravel, coarse to fine, tan, angular, some coarse to fine sand, little clayey silt, compact	4	32	Gravel, coarse to fine, angular, some coarse to fine sand, trace of clay to fine silt, compact, tan	19	48
MI 28 th. 411200N0730635.1. Conn. State Highway Dept. Drilled 1918. Altitude 0 ft.			Sand, medium to fine, brownish-gray mica, trace of clayey silt, medium compact	5	37	Sand, coarse to fine, some coarse to fine gravel, trace of silt, medium compact, gray	9	57
Water	11	11	Sand, coarse to fine, light brownish-gray, trace of silt, medium compact to compact Sand, medium to fine, brownish-gray, trace of clayey silt, trace of gravel, very compact	15	67	Gravel, coarse to fine, little coarse to fine sand, trace of silt, trace of clay, compact, tan	49	106
Sand	4	15	Gravel, coarse to fine, brownish-gray, some coarse to fine sand, trace of clayey silt, medium compact	5	72	Gneiss, micaceous, sandy, solid, gray	10	116
Rock	2	17	Sand, medium to fine, light brownish-gray, trace of silt, trace of gravel, medium compact	5	72	Na 9 th. 413008N0730250.1. Conn. State Highway Dept. Drilled 1957. Altitude 203.3 ft. Depth to water 10 ft.		
MI 38 th. 411306N0730419.1. Robertshaw Controls Co. Altitude 75 ft. Drilled by S. B. Church Co.			Fill: Sand, coarse to fine, brownish- gray, little coarse to fine gravel, trace of clayey silt, compact	7	79	Fill, dark brown	1	1
Hardpan gravel	30	30	Fill: Sand, medium to fine, brownish- gray, trace of silt, trace of gravel, very compact	3	82	Boulders and cobbles, coarse to fine sand, trace of silt, compact to very compact, tan	56	57
Clay, red, with fine sand and silt	54	84	Gneiss, micaceous, solid, gray	3	85	Boulders and cobbles, coarse to fine sand coarse to fine gravel, little coarse to fine silt, very compact, brown	12	69
Ledge	7	91	Na 8 th. 413005N0730254.1. Conn. State Highway Dept. Drilled 1958. Altitude 205.1 ft. Depth to water 15 ft.			Boulders and cobbles, coarse to fine gravel, some coarse to fine sand, trace of silt, very compact, tan	10	79
MI 39 th. 411301N0730425.1. Robertshaw Controls Co. Altitude 70 ft. Drilled by S. B. Church Co.			Fill, dark brown	1	1	Sand, coarse to fine, some coarse to fine gravel, little coarse to fine silt, trace of clay, very compact, brown	9	88
Hardpan gravel	30	30	Boulders and cobbles, coarse to fine sand, trace of silt, very compact, tan	12	69	Boulders and cobbles, coarse to fine gravel, some coarse to fine sand, little coarse to fine silt, very compact, tan	20	108
Hardpan gravel and clay	7	37	Gravel, coarse to fine, brownish-gray, some coarse to fine sand, trace of clayey silt, medium compact	15	67	Gneiss, micaceous, sandy, solid, gray	10	118
Ledge	4	41	Sand, medium to fine, light brownish-gray, trace of silt, trace of gravel, medium compact	5	72	Na 9 th. 413008N0730250.1. Conn. State Highway Dept. Drilled 1957. Altitude 203.3 ft. Depth to water 10 ft.		
MI 40 th. 411242N0730503.1. U.S. Geol. Survey. Drilled 1966. Altitude 35 ft. Depth to water 7 ft.			Fill: Sand, coarse to fine, brownish- gray, little coarse to fine gravel, trace of clayey silt, compact	7	79	Fill, dark brown	1	1
Silt, clayey	7	7	Fill: Sand, medium to fine, brownish- gray, trace of silt, trace of gravel, very compact	3	82	Boulders and cobbles, coarse to fine sand, trace of silt, compact to very compact, tan	56	57
Gravel, coarse, silty and sandy matrix, compact, light olive-gray; till?	14	21	Gneiss, micaceous, solid, gray	3	85	Boulders and cobbles, coarse to fine gravel, some coarse to fine sand, little coarse to fine silt, very compact, tan	20	108
Gravel, coarse, sandy matrix, compact, moderate olive-brown to dark yellowish- brown	10	31	Na 9 th. 413008N0730250.1. Conn. State Highway Dept. Drilled 1957. Altitude 203.3 ft. Depth to water 10 ft.			Gneiss, micaceous, sandy, solid, gray	10	118
Gravel, coarse, silty and sandy matrix, compact; till?	5	36	Fill, dark brown	1	1	Na 9 th. 413008N0730250.1. Conn. State Highway Dept. Drilled 1957. Altitude 203.3 ft. Depth to water 10 ft.		
Gravel, coarse, sandy matrix, compact	3.5	39.5	Boulders and cobbles, coarse to fine sand, trace of silt, very compact, tan	12	69	Fill, dark brown	1	1
Till: clayey and silty, medium gray . . . . .	.5	40	Gravel, coarse to fine, brownish-gray, some coarse to fine sand, trace of clayey silt, medium compact	15	67	Boulders and cobbles, coarse to fine gravel, some coarse to fine sand, little coarse to fine silt, very compact, tan	20	108
Refusal, probably bedrock		at 40	Sand, medium to fine, light brownish-gray, trace of silt, trace of gravel, medium compact	5	72	Gneiss, micaceous, sandy, solid, gray	10	118
MI 41 th. 411211N0730525.1. U.S. Geol. Survey. Drilled 1966. Altitude 20 ft. Depth to water 1 ft.			Fill: Sand, coarse to fine, brownish- gray, little coarse to fine gravel, trace of clayey silt, compact	7	79	Na 9 th. 413008N0730250.1. Conn. State Highway Dept. Drilled 1957. Altitude 203.3 ft. Depth to water 10 ft.		
Sand, fine to medium, some coarse to very coarse sand, trace of pebble gravel, light olive-gray	16	16	Fill: Sand, medium to fine, brownish- gray, trace of silt, trace of gravel, very compact	3	82	Fill, dark brown	1	1
Silt, and very fine to fine sand, medium gray	31.5	47.5	Gneiss, micaceous, solid, gray	3	85	Boulders and cobbles, coarse to fine sand, trace of silt, compact to very compact, tan	56	57
Till, with schist fragments, medium gray	8	54.5	Na 9 th. 413008N0730250.1. Conn. State Highway Dept. Drilled 1957. Altitude 203.3 ft. Depth to water 10 ft.			Boulders and cobbles, coarse to fine gravel, some coarse to fine sand, little coarse to fine silt, very compact, tan	20	108

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

Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Town of Naugatuck--Cont.					
Na 10 th. 413007N0730252.1. Conn. State Highway Dept. Drilled 1958. Altitude 201.9 ft. Depth to water 14 ft.					
Fill, dark brown	8	8			
Fill, grayish tan	4	12			
Boulders and cobbles to fine gravel, little coarse to fine sand, trace of silt, compact to very compact, grayish-tan.	43	55			
Gneiss, micaceous, seamy, gray	5	60			
Na 11 th. 412926N0730308.1. Conn. State Highway Dept. Drilled 1958. Altitude 175.5 ft.					
Water, with scattered boulders	1.5	1.5			
Cobbles and coarse to fine gravel, little coarse to fine sand, little clayey silt, loose, blackish-brown	8.5	10			
Gravel, coarse to fine, waterworn, and coarse to fine sand, trace of clayey silt, medium compact, brown	9	19			
Sand, coarse to fine, clay, some coarse to fine gravel (gray, angular, partially decomposed mica, gneiss fragments) little clayey silt, medium compact to compact.	19	38			
Gneiss, micaceous, seamy, solid, medium hard, gray	3	41			
Na 12 th. 412812N0730307.1. Conn. State Highway Dept. Drilled 1958. Altitude 198.4 ft. Depth to water 26 ft.					
Fill, brown	11	11			
Sand, coarse to fine, micaceous, trace of silt, trace of gravel, tan	9	20			
Sand, coarse to fine, trace of silt, trace of gravel, tan	10	30			
Boulders and cobbles	8	38			
Sand, medium to fine, micaceous, trace of clayey silt, trace of gravel	9	47			
Sand, medium to fine, micaceous, trace of silt, tan	10	57			
Sand, medium to fine, micaceous, grayish- tan	6	63			
Sand, coarse to fine, subangular gravel, trace of clayey silt, tan	10	73			
Fill(?) Boulders and cobbles, little coarse to fine gravel, little coarse to fine sand, trace of silt, trace of clay, gray	14	87			
Gneiss, micaceous, seamy, gray	-	-			
Na 13 th. 412908N0730306.1. Conn. State Highway Dept. Drilled 1958. Altitude 189.4 ft. Depth to water 15 ft.					
Fill, dark brown	11	11			
Sand, coarse to fine, some coarse to fine gravel, little coarse to fine silt, compact tan	9	20			
Sand, coarse to fine, little coarse to fine gravel, trace of silt, medium compact, tan	12	32			
Sand, coarse to medium, coarse to fine gravel, waterworn, medium compact, grayish-tan	15	47			
Boulders and cobbles, coarse to fine gravel, some coarse to fine sand, trace silt, compact, grayish-tan	22	69			
Boulders and cobbles, very compact, tan	7	76			
Sand, medium to fine, mica, trace of gravel, scattered boulders and cobbles, compact to very compact, tan	25	101			
Fill(?) Boulders and cobbles	5	106			
Fill(?) Sand, coarse to medium, some coarse to fine gravel, subangular, trace of silt, very compact, gray	5	111			
Gneiss, micaceous, with quartz seams, gray	6	117			
Na 14 th. 413006N0730257.1. Conn. State Highway Dept. Drilled 1960. Altitude 190.0 ft.					
Water	4	4			
Gravel, large and small cobbles, sand, trace of silt, gray	7	11			
Sand, fine to coarse, trace of fine gravel, trace of silt, gray	9	20			
Sand, fine to medium, trace of silt and medium to coarse sand, tan	12	32			
Sand, fine, to fine gravel, trace of silt, tan	10	42			
Na 15 th. 413006N0730244.1. Conn. State Highway Dept. Drilled 1957. Altitude 210.6 ft. Depth to water 12 ft.					
Fill, dark brown	8	8			
Gravel, coarse to fine, waterworn, little loose coarse sand, grayish-tan	6	14			
Boulders, coarse to fine gravel, little compact coarse sand, grayish-tan.	14	28			
Gneiss, micaceous, seamy, gray.	14	42			
Na 16 th. 413010N0730253.1. Conn. State Highway Dept. Drilled 1957. Altitude 189.5 ft.					
Water, with scattered boulders	1	1			
Gravel, coarse to fine, with cobbles, little coarse to fine sand, trace of silt, trace of clay, loose, dark grayish- brown	9	10			
Boulders and cobbles, trace of gravel, trace of sand, gray	10	20			
Gravel, coarse to fine, little coarse to fine sand, trace of silt, compact, grayish-brown	6	26			
Boulders and cobbles, trace of gravel, trace of silt, gray	7	33			
Gneiss, micaceous, seamy, solid, gray	10	43			
Na 17 th. 413010N0730256.1. Conn. State Highway Dept. Drilled 1957. Altitude 207.3 ft. Depth to water more than 23 ft.					
Fill, dark gray	5	5			
Fill, dark tan	3	8			
Gravel, coarse to fine, with cobbles, little coarse to fine sand, trace of silt, trace of clay, compact, tan	6	14			
Gneiss, micaceous, seamy, gray and white.	9	23			
Na 18 th. 412839N0730300.1. Conn. State Highway Dept. Drilled 1956. Altitude 171.5 ft. Depth to water 8 ft.					
Fill: Concrete and tar slabs, cobbles, boulders, gravel, sand and silt	5	5			
Cobbles and gravel	5	10			
Gravel, sand and cobbles.	37	47			
Sand, fine, brown	6.5	53.5			
Gravel, sand, and cobbles	3.5	57			
Na 19 th. 412831N0730259.1. Conn. State Highway Dept. Drilled 1942. Altitude 240 ft. Depth to water 10 ft est.					
Loam, sand, and gravel; chiefly fine sand and silt, light gray.	6	6			
Sand, gravel, silt; light brown fine sand and cobbles of dark gray granite - gneiss	16	22			
Na 20 th. 413019N0730246.1. Conn. State Highway Dept. Drilled 1958. Altitude 193.3 ft. Depth to water 0 ft.					
Sand, medium to fine, little coarse to fine silt, loose, dark gray	2	2			
Boulders and cobbles, coarse to fine sand, coarse to fine gravel, trace of silt, very compact, grayish-tan	7	9			
Sand, coarse to fine, some coarse to fine gravel, little coarse to fine silt, compact, brown	2	11			
Sand, coarse to fine, some coarse to fine gravel, angular, little coarse to fine silt, medium compact, grayish-tan	17	28			
Boulders and cobbles, coarse to fine sand, and coarse to fine gravel, little coarse to fine silt, trace of clay, gray	9	37			
Gneiss, micaceous, seamy, gray.	12	49			
Na 23 th. 413020N0730328.1. Conn. Water Co., Naugatuck Div. Altitude 215 ft. Depth to water 10 ft est. Drilled by S. B. Church Co.					
Topsoil	2	2			
Sand, fine, dirty	6	8			
Sand, fine, clean	7	15			
Sand, fine, dirty	9	24			
Fill: Hardpan, gray	16	40			
Fill: Cobble hardpan	3	43			
Ledge	3	46			
Na 24 th. 413018N0730326.1. Conn. Water Co., Naugatuck Div. Altitude 208 ft. Depth to water 5 ft est. Drilled by S. B. Church Co.					
Topsoil	2	2			
Sand, good	4	6			
Hardpan	5	11			
Sand, fine, with clay	19	30			
Fill: Cobble hardpan	11	41			
Ledge	2	43			
Na 25 th. 412800N0730149.1. Conn. Water Co., Naugatuck Div. Drilled 1948. Altitude 26 ft. Depth to water 1.2 ft. Drilled by Jordan Asketh.					
Sand, coarse, gravel, and boulders	10	10			
Sand, fine, with silt, brown	24	34			
Sand, coarse, and gravel	3	37			
Ledge	1	38			
Na 26 th. 412804N0730144.1. Conn. Water Co., Naugatuck Div. Drilled 1948. Altitude 280 ft. Depth to water 3.7 ft. Drilled by Jordan Asketh.					
Topsoil and boulders	2	2			
Boulders, large	5	7			
Sand, fine, brown	3	10			
Sand, brown	5	15			
Sand, fine and coarse, with gravel and silt	12	27			
Bedrock	1	28			
Na 27 th. 412756N0730159.1. Conn. Water Co., Naugatuck Div. Drilled 1948. Altitude 245 ft. Depth to water 3 ft. Drilled by Jordan Asketh.					
Topsoil	1	1			
Boulders, large	6	7			
Sand, coarse, gravel and boulders	14	21			
Hardpan	1	22			
Na 28 th. 412756N0730158.1. Conn. Water Co., Naugatuck Div. Drilled 1948. Altitude 250 ft. Depth to water 6.3 ft. Drilled by Jordan Asketh.					
Topsoil	1	1			
Boulders, large	6	7			
Sand, coarse, and gravel, little silt	23	30			
Hardpan	1	31			
Na 29 th. 412859N0730310.1. Naugatuck Chemical Co. Drilled 1947. Altitude 184.2 ft. Depth to water 5 ft est. Drilled by Jordan Asketh.					
Sand, gravel, and large boulders	20	20			
Sand, gravel, and boulders	4	24			
Sand, gravel, silt, and small boulders.	5	29			
Sand, medium, and silt, gray	11	40			
Sand, fine, gray	10	50			
Sand, fine to medium, and coarse gravel	5	55			
Sand and gravel, coarse	15	70			
Sand, coarse, brown, and some gravel	5	75			
Fill(?) Sand, coarse, gray, gravel, some silt and clay.	9	84			
Na 30 th. 412859N0730306.1. Naugatuck Chemical Co. Drilled 1947. Altitude 172.0 ft. Depth to water 3 ft. est. Drilled by Jordan Asketh.					
Topsoil, gravel, clay and boulders	2	2			
Sand, coarse, gravel, and clay, brown	5	7			
Sand, fine, clay, and boulders	2	9			
Sand, medium, some gravel, silt, clay, and boulders	6	15			
Sand, coarse, pea to nut gravel, silt and clay, boulders, gray	10	25			
Sand, fine to coarse, silt, clay, some fine gravel, brown	15	40			
Sand, coarse, gravel, and clay, gray.	5	45			
Sand, coarse, gravel, some clay, brown.	5	50			
Sand, coarse, pea to nut gravel, some clay and silt, brown	10	60			
Sand, coarse, pea to egg gravel, some clay, brown	5	65			
Sand, coarse gravel, some clay, brown	5	70			
Fill(?) Sand, fine, birdseye gravel, silt, some clay, gray	5	75			
Gravel, stone, some coarse, brown sand, and clay	7	82			
Sand, very fine, and silt,	2	84			
Na 31 th. 412854N0730303.1. Naugatuck Chemical Co. Drilled 1947. Altitude 169.6 ft. Depth to water 3 ft est. Drilled by Jordan Asketh.					
Sand, gravel, clay, and boulders	8	8			
Sand, some gravel, clay and boulders.	12	20			
Sand, fine to medium, boulders, some clay and silt	5	25			
Sand, fine to medium, some clay and silt	25	50			
Sand, medium to coarse, some gravel, silt	5	55			
Sand, fine to coarse, gravel, some clay	6	61			

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

		Thick- ness (feet)	Depth (feet)			Thick- ness (feet)	Depth (feet)			Thick- ness (feet)	Depth (feet)
Town of Naugatuck--Cont.				Na 37 th. 412812N0730307.1. UniRoyal, Inc. Drilled 1947. Altitude 170 ft. Depth to water 11.6 ft.				Nt 10 th. 412416N0731611.1. Fairfield Hills Hospital. Drilled 1930's. Altitude 260 ft. Depth to water 5 ft est. Drilled by S. B. Church Co. Log from sample study by W. E. Wilson.			
Na 32 th. 412902N0730311.1. Naugatuck Chemical Co. Drilled 1947. Altitude 179.5 ft. Depth to water 5 ft est. Drilled by Jordan Asketh.				Sand, coarse, brown, gravel, clay and silt				Gravel, brown			
Topsoil, sandy, and clay				Sand, fine to medium, yellow, some gravel, clay and silt				Sand, medium, grading with depth to fine, gray			
Sand, coarse, and gravel				Sand, medium to coarse, brown, birdseye gravel				Sand, medium, larger proportion of dark minerals than above, gray			
Sand, fine to medium, gray				Sand, coarse, brown, birdseye to pea gravel				Till			
Sand, fine to coarse, gray, pea to nut gravel				Sand, coarse, brown, birdseye to pea gravel, some nut gravel				Nt 11 th. 412414N0731616.1. Fairfield Hills Hospital. Drilled 1947. Altitude 265 ft. Depth to water 5 ft est. Drilled by R. E. Chapman Co. Log from sample study by W. E. Wilson.			
Sand, fine to medium, micaceous sand				Sand, coarse, brown, birdseye to nut gravel				Gravel, brown			
Sand, fine to coarse, some pea gravel				Sand, fine to medium, light brown, some clay				Sand, medium, grayish-brown			
Sand, fine, and silt				Sand, fine to coarse, birdseye to pea gravel, some clay and silt				Sand, fine to medium, gray			
Sand, fine to coarse				Sand, fine to coarse, birdseye to pea gravel, clay and silt				Gravel (till?)			
Sand, medium to coarse, some pea gravel				Sand, medium to coarse, birdseye gravel, clay and silt				Bedrock			
Till(?) Sand, fine, silt and clay				Sand, fine to coarse, birdseye to pea gravel, some clay and silt				Nt 12 th. 412412N0731619.1. Fairfield Hills Hospital. Drilled 1947. Altitude 275 ft. Depth to water 5 ft est. Drilled by R. E. Chapman Co. Log from sample study by W. E. Wilson.			
Na 33 th. 412820N0730307.1. Naugatuck Chemical Co. Altitude 165 ft. Depth to water 4.2 ft.				Sand, fine to coarse, birdseye to pea gravel, clay and silt				Gravel			
Sand, fine to coarse, birdseye gravel, clay and silt, boulders				Sand, fine to medium, and clay and silt				Sand, fine, gray			
Sand, fine to medium, and clay and silt				Sand, fine to coarse, birdseye gravel, clay and silt				Sand, fine to medium, brown			
Sand, fine to coarse, birdseye gravel, clay and silt				Sand, fine to coarse, birdseye to nut gravel, clay and silt				Sand, fine to medium, grayish-brown			
Sand, fine to coarse, birdseye to nut gravel, clay and silt				Sand, fine to coarse, birdseye to pea gravel, clay and silt				Gravel (till?)			
Sand, fine to coarse, birdseye to pea gravel, clay and silt				Sand, fine to coarse, some birdseye gravel, clay and silt				Bedrock			
Sand, fine to coarse, some birdseye gravel, clay and silt				Sand, fine to coarse, birdseye to pea gravel, some clay and silt				Nt 13 th. 412419N0731615.1. Fairfield Hills Hospital. Drilled 1947. Altitude 265 ft. Depth to water 5 ft est. Log from sample study by W. E. Wilson.			
Rock				Na 34 th. 412818N0730310.1. Naugatuck Chemical Co. Altitude 165.52 ft. Depth to water 6.14 ft.				Gravel			
Sand, fine to coarse, brown, pea to nut gravel, boulders, clay and silt				Sand, fine to coarse, brown, pea to nut gravel, boulders, clay and silt				Sand, very fine to fine			
Sand, fine to medium, brown, some birdseye gravel, clay and silt				Sand, medium to coarse, birdseye to pea gravel, clay and silt				Bedrock			
Sand, medium to coarse, birdseye to pea gravel, clay and silt				Sand, fine to coarse, birdseye to nut gravel, some clay and silt				Nt 14 th. 412424N0731630.1. Fairfield Hills Hospital. Drilled 1947. Altitude 255 ft. Depth to water <5 ft. est. Drilled by R. E. Chapman Co. Log from sample study by W. E. Wilson.			
Sand, fine to coarse, birdseye to nut gravel, some clay and silt				Sand, fine to coarse, birdseye to pea gravel, some clay and silt				Gravel			
Sand, medium to coarse, birdseye to pea gravel, some clay and silt				Sand, medium to coarse, birdseye to pea gravel, some clay and silt				Sand, medium, tan			
Sand, medium to coarse, chips from ledge Rock				Till(?) Sand, fine to medium, some gravel, trace of boulders, brown				Sand, fine, gray			
Na 35 th. 412813N0730311.1. Naugatuck Chemical Co. Altitude 170.59 ft. Depth to water 14.20 ft.				Sand, fine to coarse, and gravel, some silt, gray				Gravel			
Fill: Recent sanitation fill				Rock, gray-white				Sand and gravel, gray (till?)			
Sanitation cushion: Sand, fine to medium				Nt 2 th. 412555N0731455.1. Conn. State Highway Dept. Drilled 1944. Altitude 126 ft.				Bedrock			
Old sanitation fill, some birdseye gravel, and silt				Sand, coarse, and gravel				Nt 15 th. 412427N0731619.1. Fairfield Hills Hospital. Drilled 1947. Altitude 260 ft. Depth to water 5 ft. est. Drilled by R. E. Chapman Co. Log from sample study by W. E. Wilson.			
Sand, medium to coarse, very clean, brown Sand, medium to coarse, brown, some pea gravel				Nt 3 th. 412504N0731728.1. Conn. State Highway Dept. Drilled 1957. Altitude 331 ft.				Gravel			
Sand, fine to medium				Till(?) Sand, fine to medium, some gravel, trace of boulders, brown				Sand, very fine to fine, gray			
Sand, fine to medium, dark brown, pea to egg gravel, and silt				Sand, fine to coarse, and gravel, trace of clay, brown				Sand, medium, gray			
Sand, fine to medium, some birdseye and pea gravel				Sand, fine silty, some gravel, gray rock				Sand, medium to coarse, gray			
Sand, medium to coarse, brown, pea to nut gravel, clay and silt				Schist, micaceous, and quartz				Till			
Sand, coarse, brown, and gravel				Nt 4 th. 412545N0731854.1. Conn. State Highway Dept. Drilled 1957. Altitude 399.2 ft. Depth to water 5 ft.				Bedrock			
Sand, coarse, brown, pea to egg gravel				Sand, fine to medium, trace of silt, little gravel, brown				Nt 16 th. 412423N0731611.1. Fairfield Hills Hospital. Drilled 1947. Altitude 260 ft. Depth to water 5 ft est. Log from sample study by W. E. Wilson.			
Sand, fine to medium, and silt				Sand, fine to medium, brown, some decomposed rock				Gravel			
Sand, coarse, and pea to nut gravel				Nt 5 th. 412546N0731858.1. Conn. State Highway Dept. Drilled 1957. Altitude 411.0 ft. Depth to water 4 ft.				Sand, very fine to fine, gray			
Sand, medium to coarse				Sand, fine to medium, little gravel, some silt, brown				Sand, medium, gray			
Sand, fine to coarse, birdseye to nut gravel				Sand, fine to medium, some gravel, some silt, grayish-brown				Sand, medium to coarse, gray			
Sand, fine to medium, some crushed ledge Rock				Gneiss				Till			
Na 36 th. 412806N0730303.1. Naugatuck Chemical Co. Drilled 1948. Altitude 163 ft. Depth to water 3 ft est.				Nt 6 th. 412619N0731452.1. Conn. State Highway Dept. Drilled 1950. Altitude 100 ft.				Bedrock			
Gravel and small boulders				Water				Nt 17 th. 412355N0731557.1. Fairfield Hills Hospital. Drilled 1947. Altitude 275 ft. Depth to water 5 ft est. Drilled by R. E. Chapman Co. Log from sample study by W. E. Wilson.			
Sand, fine, and silt				Mud				Gravel, brown			
Sand, coarse, and pea gravel				Sand, silt, and some fine gravel				Sand, fine to medium, brown			
Sand and silt				Sand, fine, and silt, gray				Sand, medium to very coarse, grayish- brown			
Gravel, sand, and traces of silt				Sand, medium to coarse, and silt, brown				Bedrock			
Sand, fine				Gravel, coarse (hardpan)				Nt 8 th. 412523N0731803.1. Conn. State Highway Dept. Drilled 1957. Altitude 368.7 ft. Depth to water 4 ft.			
Sand, gravel, and traces of silt				Gravel, fine, and coarse sand				Sand, fine to coarse, some gravel, gray and brown			
Gravel, 50 percent coarse, with sand				Rock				Gneiss, hard, fractured			
Sand and medium gravel				Nt 9 th. 412621N0731508.1. Conn. State Highway Dept. Drilled 1950. Altitude 122.4 ft. Depth to water 15 ft est.				Sand, fine to coarse, brown			
Sand, fine, and silt				Loam				Sand, fine to medium, brown			
Bedrock				Sand and gravel, brown				Sand, medium to coarse, brown			
				Sand, coarse, brown				Till			
				Sand, gravel, and cobbles, brown				Bedrock			
				Sand, gravel, cobbles, and silt, brown							

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Newtown--Con.								
Nt 18 th. 412408N0731604.1. Fairfield Hills Hospital. Drilled 1947. Altitude 270 ft. Depth to water 5 ft. est. Drilled by R. E. Chapman Co. Log from sample study by W. E. Wilson.			Nt 28 th. 412456N0731659.1. Conn. State Highway Dept. Drilled 1967. Altitude 250.0 ft. Depth to water 10 ft. Drilled by J. P. Purcell Assoc.			Ox 11 th. 412644N0730933.1. U.S. Geol. Survey. Drilled 1966. Altitude 330 ft. Depth to water 5 ft. est.		
Gravel	10	10	Sand and fine gravel, brown	5	5	Topsoil	2	2
Sand, very fine, silty, gray	90	100	Sand, fine, little to some silt, at 6.5, black silt with trace of organics and fine sand	5	10	Sand and coarse gravel	12	14
Bedrock		at 100	Sand, coarse to fine, some gravel	5	15	Gravel, poorly sorted, compact (tillit?). Refusal, probably bedrock	8.5	22.5
			Sand, coarse to fine	2	17			at 22.5
Nt 19 th. 412650N0731746.1. Conn. Light and Power Co. Altitude 107.7 ft. Depth to water 5 ft. est.			Sand, fine, brown	26	45	Ox 12 th. 412238N0730926.1. U.S. Geol. Survey. Drilled 1966. Altitude 30 ft. Depth to water 7 ft.		
Clay	20	20	Sand, very fine, trace of silt	7	52	Topsoil	3	3
Till(?) Sand, small boulders	7	27	Till: Sand and gravel	8	60	Sand, coarse to very coarse, and pebble gravel, dark yellowish-brown	30	33
Schist	29	56	Bedrock	5	65	Gravel, with pebbles and cobbles	11	44
			Town of Oxford			Sand, fine to coarse, little pebble gravel, dark yellowish-brown	10	54
Nt 20 th. 412648N0731747.1. Conn. Light and Power Co. Altitude 236.4 ft.			Ox 1 th. 412238N0730937.1. Conn. State Highway Dept. Drilled 1940. Altitude 55 ft. Depth to water 0 ft. est.			Gravel, with pebbles and cobbles	14	68
Till: Sand, boulders	9	9	Gravel and boulders	5	5	Refusal, probably bedrock		at 68
Schist	31	40	Gravel	20	25	Ox 13 th. 412409N0730526.1. Seymour Water Co. Drilled 1966. Altitude 160 ft. Depth to water 0 ft. est. Drilled by S. B. Church Co.		
Nt 21 th. 412432N0731535.1. U.S. Geol. Survey. Drilled 1966. Altitude 320 ft. Depth to water 2 ft.			Gravel and cobbles	5	30	Gravel hardpan	14	14
Sand and gravel, dark yellowish-brown	27	27	Sand	2	32	Ledge	4	18
Till(?) sandy and gravelly, compact gray	15	42	Gravel and cobbles	7	39	Ox 14 th. 412410N0730527.1. Seymour Water Co. Drilled 1966. Altitude 160 ft. Depth to water 4.7 ft. Drilled by S. B. Church Co.		
Till, sandy, gray	1	43	Sand	13	52	Sand, coarse, and cobbles	15	15
			Gravel	5	57	Sand, coarse	10	25
Nt 22 th. 412503N0731658.1. U.S. Geol. Survey. Drilled 1966. Altitude 240 ft. Depth to water 4 ft.			Gravel	6	6	Sand, medium	13	38
Gravel with cobbles and boulders	6	6	Sand, dirty, and clay	10	16	Sand, fine, and clay	2	40
Sand, fine to coarse, trace of little fine gravel, dark yellowish-brown	14	20	Sand, fine, and clay	6	22	Hardpan	2	42
Gravel	1	21	Sand, fine, less clay	6	28	Ox 23 th. 412300N0731018.1. Conn. Light and Power Co. Altitude 30.6 ft.		
Till, sandy, gray	11	32	Sand, fine, and clay	6	34	Bedrock		at 36.5
Refusal, probably bedrock		at 32	Sand, fine, less clay	9	43	Ox 24 th. 412301N0731019.1. Conn. Light and Power Co. Altitude 25.4 ft.		
Nt 23 th. 412638N0731617.1. U.S. Geol. Survey. Drilled 1966. Altitude 120 ft. Depth to water 15 ft. est.			Sand, fine	6	49	Bedrock		at 38.0
Gravel, fine	21	21	Sand, fine, clean	5	54	Ox 25 th. 412599N0731020.1. Conn. Light and Power Co. Altitude 26.1 ft.		
Silt, and very fine to fine sand, light olive-gray, becoming finer grained below 75 ft.	57.5	78.5	Sand, fine	5	59	Bedrock		at 43.0
Refusal		at 78.5				Ox 26 th. 412302N0731019.1. Conn. Light and Power Co. Altitude 23.9 ft.		
Nt 24 th. 412156N0731514.1. U.S. Geol. Survey. Drilled 1966. Altitude 430 ft. Depth to water 2.5 ft.			Ox 3 th. 412422N0730548.1. Seymour Water Co. Altitude 180 ft. Depth to water 5 ft. est. Drilled by S. B. Church Co.			Bedrock		at 8.0
Sand and fine gravel	5	5	Sand, very fine and dirty	15	15	Ox 27 th. 412921N0730924.1. UniRoyal, Inc. Drilled 1967. Altitude 520 ft. Depth to water +0.54 ft. 2-in well pulled; screen 27-37; yield 15 gpm.		
Sand, very fine to fine, little silt, moderate olive-brown	18	23	Sand, fine and dirty, tight	5	20	Peat	6	6
Sand, medium, gray	7	30	Sand, coarse, with some gravel, fairly clean	5	25	Clay	11	17
Sand and fine gravel, gray	4	34	Sand, coarse, clean, and gravel	5	30	Sand, very fine to medium	9	26
Till	2	36	Sand, medium, not so clean	5	35	Sand, medium to coarse, some gravel	10	36
Refusal, probably bedrock		at 36	Sand, coarse, dirty	5	40	Sand, very fine to fine with rock fragments, gray	1	37
Nt 25 th. 412429N0731651.1. U.S. Geol. Survey. Drilled 1966. Altitude 265 ft. Depth to water 7 ft.			Sand, fairly coarse with gravel, dirty and packed tight	8	48	Refusal		at 37
Topsoil and sand	5	5	Ox 4 th. 412410N0730526.1. Seymour Water Co. Drilled 1950. Altitude 165 ft. Depth to water 5 ft. est. Drilled by S. B. Church Co.			Ox 28 th. 412917N0730929.1. UniRoyal, Inc. Drilled 1967. Altitude 515 ft. Depth to water +0.53 ft. 2-in observation well; screen 25-34; yield 50 gpm.		
Gravel	8	13	Sand and boulders	10	10	Peat	10	10
Sand, very fine to fine, little medium sand, little coarse to very coarse sand, trace of gravel, light olive-gray to moderate olive-brown	17	30	Sand	5	20	Silt and clay, gray-brown	10	20
Gravel, very fine to medium, and sand	4	34	Sand, brown	5	25	Sand, fine to very coarse, light brown, with some gravel	14	34
Sand, very fine, little silt	20	54	Sand, fine, with clay	10	35	Refusal		at 34
Gravel (tillit?), compact	3	57	Hardpan gravel	3	38	Ox 29 th. 412916N0730925.1. UniRoyal, Inc. Drilled 1967. Altitude 520 ft. Depth to water 1.35 ft. 2-in observation well; screen 38-53; yield 60 gpm.		
Refusal		at 57	Hardpan and ledge	4	42	Peat	2	2
Nt 26 th. 412457N0731700.1. Conn. State Highway Dept. Drilled 1955. Altitude 241.4 ft. Depth to water 6 ft.			Ox 6 th. 412301N0731015.1. Conn. Light and Power Co. Drilled 1957. Altitude 35.4 ft. Depth to water 3 ft. Drilled by Sprague and Henwood, Inc.			Sand, fine to medium, and silt, tan	8	10
Sand, coarse, and silt, gray	5	5	Sand, boulders, gravel	37	37	Sand, very fine to coarse, light brown, with considerable amounts of silt and fine sand	10	20
Sand, medium, and silt, gray	5	10	Granite, micaceous	10	47	fine sand	10	30
Sand, medium and fine, and silt, gray and brown	39	49	Ox 7 th. 412306N0731017.1. Conn. Light and Power Co. Drilled 1956. Altitude 125.0 ft. Depth to water 20 ft. est. Drilled by Sprague and Henwood, Inc.			Sand, very fine to coarse with some very fine sand and silt	23	53
Till: 8-inch boulder, fine gravel	5	54	Sand, gravel, small boulders	1	1	Refusal		at 53
Till: Sand, medium, and silt, hard	4	58	Sand, gravel, boulders	49	50	Ox 30 th. 412921N0730927.1. UniRoyal, Inc. Drilled 1967. Altitude 515 ft. Depth to water +0.72 ft. 2-in observation well; screen 49-53; yield 27 gpm.		
Rock, soft, no cores	5	63	Granite, micaceous	10	60	Silt, gray, peat, black with clay and some fine sand	43	43
			Ox 8 th. 412302N0731021.1. Conn. Light and Power Co. Drilled 1956. Altitude 99.7 ft. Drilled by Sprague and Henwood, Inc.			Sand, very fine to medium with gravel, fine	10	53
Nt 27 th. 412456N0731645.1. Conn. State Highway Dept. Drilled 1955. Altitude 267.0 ft. Depth to water 15 ft. est.			Water	23	23	Refusal		at 53
Sand, fine, to gravel, tan	4	4	River sand, silt	1	24			
Sand, fine, and silt, tan	4	8	Sand, silty, gravel, boulders	8	32			
Sand, fine, to gravel	2	10	Granite, micaceous	10	42			
Sand, fine, silt, tan	5	15	Ox 9 th. 412309N0731017.1. Conn. Light and Power Co. Drilled 1957. Altitude 165.6 ft. Depth to water 30 ft. est. Drilled by Sprague and Henwood, Inc.					
Gravel, sand, and silt, tan	3	18	Boulders, gravel, sand	11	11			
Sand, fine, and silt, tan	9	27	Boulders, gravel	5	16			
Sand, fine to medium, and silt, tan	2	29	Sand, fine gravel	33	49			
Sand, fine, and silt, tan	18	47	Granite, micaceous	2	51			
Sand, fine to medium, and silt, tan	4	51	Ox 10 th. 412310N0731017.1. Conn. Light and Power Co. Drilled 1956. Altitude 126.9 ft. Drilled by Sprague and Henwood, Inc.					
Till(?) Sand, fine to coarse, silt, little clay and gravel, gray	34	85	Boulders, sand, gravel	11	11			
Till(?) Gravel, sand, silt, and cobbles, little clay	3	88	Ledge		at 11			
Rock	3	91						

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Plymouth								
Pm 1 th. 413712N0730222.1. U.S. Army, Corps of Engineers. Drilled 1962. Altitude 452.9 ft. Depth to water 1 ft.			Pm 8 th. 413719N0730216.1. U.S. Army, Corps of Engineers. Drilled 1961. Altitude 452.0 ft. Depth to water 0 ft est.			Se 4 th. 412331N0730430.1. Conn. State Highway Dept. Drilled 1956. Altitude 73.0 ft. Depth to water 5 ft est.		
Topsoil and forest debris	1.5	1.5	Sand, fine, gravelly, silty, micaceous, with organics	3	3	Fill: Gravel, cobbles, boulders, and concrete slabs	14	14
Sand, silty	3.5	5	Gravel, silty, sandy, with cobbles	7	10	Gravel, coarse sand, and cobbles	6	20
Sand, gravelly	5	10	Gravel, silty, sandy, and fine sandy silt	1	11	Sand, coarse, and some gravel	27	47
Sand, silty, gravelly	1	11	Sand, silty, gravelly, with cobbles	12	23	Sand, fine, mica, and silt, brown	8	55
Sand, fine, silty	4	15	Till(?) Boulder . . . . .	.5	23.5	Sand, medium, and silt, gray	2	57
Silt, fine, sandy	5	20	Sand, silty, gravelly, with cobbles	4.5	28	Rock, rotten	2	59
Silt, fine, sandy, with layers of very silty fine sand	10	30	Cobbles and boulders	2.9	30.9			
Silt	2	32	Schist	20.1	51			
Sand, silty	3	35				Se 5 th. 412254N0730448.1. Conn. State Highway Dept. Drilled 1958. Altitude 61.4 ft. Depth to water 7.5 ft. Drilled by American Drilling Co.		
Gravel, silty, sandy, with cobbles	12	47	Pm 9 th. 413820N0730150.1. U.S. Geol. Survey. Drilled 1966. Altitude 470 ft. Depth to water 2 ft est.			Fill, black	3	3
Till: Silt, fine, sandy	4	52	Gravel, fine	4	4	Fill	4	7
Sand, gravelly, silty	4	56	Sand, medium, and very fine to fine little coarse to very coarse sand, becoming silty with increasing depth	48	52	Sand, coarse to medium, micaceous, medium to fine gravel, boulders, trace of silt, brown	6	13
Gneiss	10	66	Till	14	66	Gravel, coarse, little medium micaceous sand, boulders, trace of silt, brown	4	17
			Refusal in till	at 66	66	Sand, medium to fine, micaceous, trace of coarse sand, silty, medium gravel, boulders, brown	23	40
Pm 2 th. 413711N0730224.1. U.S. Army, Corps of Engineers. Drilled 1962. Altitude 454.4 ft. Depth to water 1 ft.			Pm 10 th. 413846N0730200.1. U.S. Geol. Survey. Drilled 1966. Altitude 480 ft. Depth to water 1 ft.			Sand, coarse to fine, coarse to fine gravel, boulders, brown	5	45
Topsoil and forest debris	2	2	Sand	16	16			
Sand, medium to fine, silty, and silty fine sand	8	10	Sand, very fine to fine, some silt, micaceous light to moderate, olive-brown	18	34	Se 6 th. 412351N0730511.1. Conn. State Highway Dept. Drilled 1946. Altitude 134.0 ft. Depth to water 0 ft est.		
Silt, sandy, fine	5	15	Silt, some very fine and fine sand, light to moderate blue-brown	64	98	Fill, ash and clinder	3	3
Silt	2	17				Sand and muck	3	6
Sand, medium to fine	8	25				Sand, gravel, silt, boulders	20	26
						Rock, hard	4	30
Pm 3 th. 413722N0730214.1. U.S. Army, Corps of Engineers. Drilled 1958. Altitude 455 ft. Depth to water 1 ft.			Town of Seymour					
Topsoil . . . . .	.5	.5	Se 1 th. 412332N0730431.1. Conn. State Highway Dept. Drilled 1957. Altitude 56.2 ft.			Se 7 th. 412352N0730454.1. Conn. State Highway Dept. Drilled 1946. Altitude 132.64 ft. Depth to water 0 ft est.		
Sand, medium to fine, silty, gravelly, with cobbles	4.5	5	Water	1	1	Sand, gravel, boulders	9	9
Gravel, sandy	2	7	Gravel, coarse, some coarse sand, cobbles, boulders, brown	5	6	Sand, gravel, silt, and mica	21.5	30.5
Sand, medium to fine	2	9	Gravel, medium, some coarse sand, cobbles, brown	1	7	Rock, hard	4.5	35
Gravel, sandy	1	10	Sand, coarse to medium, brown	30	37			
Gravel, silty, sandy	5	15	Gravel, medium, some coarse sand, cobbles, brown	16	53	Se 8 th. 412319N0730439.1. Conn. State Highway Dept. Drilled 1958. Altitude 75.4 ft. Depth to water 17.9 ft. Drilled by American Drilling Co.		
Till(?) Gravel, sandy, with cobbles	2	17	Sand, medium, some fine sand, trace of mica, tan	16	69	Fill	4	4
Boulder	5	22	Gravel, coarse, and coarse sand, trace of silt, cobbles, brown	18	87	Sand, fine, brown	6	10
Gravel, sandy, with cobbles	2	24	Sand, coarse to medium, trace of mica, brown	8	95	Boulders, some coarse to medium gravel	5	15
Schist	20	44	Gravel, coarse, some coarse sand, cobbles, brown	1	96	Sand, coarse, gravel, and boulders, brown	3	18
			Sand, coarse to medium, brown	4	111	trace of red clay	4	22
Pm 4 th. 413721N0730212.1. U.S. Army, Corps of Engineers. Drilled 1958. Altitude 454 ft. Depth to water 3 ft.			Sand, coarse to medium, cobbles, brown	4	115	Sand, medium, and gravel, brown	8	30
Topsoil	1.5	1.5	Sand, fine to medium, some coarse sand, trace of silt, gray-brown	5	120	Sand, coarse, and medium gravel, brown	7	37
Silt, sandy, with cobbles	3.5	5	Gravel, coarse sand, trace of silt, cobbles, brown-gray	1	121	Sand, fine, running, brown	5	42
Sand, fine, silty, with boulders	4	9	Sand, fine to medium, trace of silt, tan	1	122	Sand, fine, and medium gravel, brown	9.5	51.5
Sand, silty . . . . .	.5	9.5	Sand, medium to coarse, brown	3	125			
Till(?) Cobbles and boulders	2.5	12	Gravel, coarse, some coarse to medium sand, cobbles, brown	10	135	Se 9 th. 412347N0730428.1. Conn. State Highway Dept. Drilled 1958. Altitude 94.4 ft. Depth to water 26.5 ft.		
Gravel, silty, sandy	1	13	Gravel, coarse, some coarse to medium sand, trace of mica, cobbles, brown	2	137	Fill: Sand, fine, trace of gravel, and silt, brown	19	19
Sand, medium to fine, silty . . . . .	.5	13.5	Sand, medium to fine, trace of mica, gray-brown	5	142	Sand, fine, trace of gravel, brown	5	24
Boulder	1.5	15	Gravel, coarse, some coarse to medium sand, cobbles, brown	7	143	Sand, fine, trace of mica, brown	39.5	63.5
Gravel, silty, sandy, with cobbles	5	20	Sand, coarse to medium, brown	7.7	150.7			
Sand, silty, gravelly, with cobbles	5	25				Se 10 th. 412348N0730422.1. Conn. State Highway Dept. Drilled 1958. Altitude 82.8 ft. Depth to water 10 ft.		
Sand, silty, gravelly, with cobbles	5	30	Se 2 th. 412332N0730428.1. Conn. State Highway Dept. Drilled 1957. Altitude 56.2 ft.			Fill: Sand, medium to coarse, and gravel, trace of silt, brown	13	13
Rock, weathered	5	31	Water	1	1	Sand, fine, trace of silt, brown	23.5	36.5
Core (boulder?)	1	31	Organic sewage and silt	1	2			
Schist	20	51	Sand, coarse to fine, little fine gravel, trace of silt, tan	16	18	Se 11 th. 412352N0730415.1. Conn. State Highway Dept. Drilled 1958. Altitude 91.9 ft. Depth to water 11.2 ft.		
			Sand, fine to medium, trace of silt, trace of mica, tan	4	22	Fill: Sand, fine, brown	1	1
Pm 5 th. 413719N0730217.1. U.S. Army, Corps of Engineers. Drilled 1961. Altitude 448.7 ft (river bottom).			Sand, fine, trace of silt, trace of mica, tan	11	33	Sand, fine, little silt, trace of coarse to medium gravel, and mica, dark brown	3	4
Sand, silty, gravelly, with organic matter and odor	1	1	Granite pegmatite (recovered 45 percent - 27 in of core)	5	38	Sand, coarse to fine, and gravel, little silt, trace of mica, brown	5	9
Sand, gravelly, silty	4	5				Sand, fine, little coarse to medium sand, silt, and coarse to fine gravel, trace of mica, brown	4	13
Boulder	1.5	6.5	Se 3 th. 412346N0730430.1. Conn. State Highway Dept. Drilled 1958. Altitude 93.9 ft. Depth to water 24 ft.			Sand, coarse to fine, some coarse gravel, boulders, trace of silt, brown	5	18
Gravel, silty, sandy, with cobbles	1	7.5	Fill: Sand, coarse, brown, some coarse gravel	17	17	Till(?) Sand, medium to fine, some coarse sand and gravel, little silt, boulders, brown	9	27
Sand, silty, gravelly	2.5	10	Sand, coarse to fine, trace of mica, brown	5	22	Gneiss and mica schist (iron stained)	10	37
Gravel, silty, sandy, with cobbles	5	15	Sand, fine, some silt, trace of mica, gray	15	37	Quartz schist, sandy, fractured, medium hard	5	42
Sand, silty, gravelly	4	19	Sand, fine to medium, some silt, trace of gravel and mica, gray	6	43			
Till(?) Cobbles and boulders	6.6	25.6	Sand, medium to fine, trace of mica, gray	7	50			
Schist	20.4	46						
Pm 6 th. 413718N0730215.1. U.S. Army, Corps of Engineers. Drilled 1961. Altitude 454.0 ft. Depth to water 1 ft.								
Forest debris and topsoil	2	2						
Sand, fine, silty (laminated)	3	5						
Silt, sandy, fine (laminated)	4	9						
Gravel, silty, sandy	5	14						
Sand, micaceous	5	19						
Sand, medium to fine, gravelly, silty, micaceous (laminated)	4	23						
Till: Boulder	5	28						
Till: Gravel, silty, sandy	1.5	29.5						
Schist	20.5	50						
Pm 7 th. 413718N0730214.1. U.S. Army, Corps of Engineers. Drilled 1961. Altitude 463.8 ft. Depth to water 8.5 ft.								
Fill, roadbed	1	1						
Sand, gravelly, silty, with hair roots	1	2						
Sand, fine, silty, micaceous (laminated)	3.5	5.5						
Till(?) Sand, silty, gravelly	9.5	15						
Till(?) Gravel, silty sandy	1.7	16.7						
Schist	19.3	36						

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

Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Town of Seymour--Cont.					
Sh 12 th. 412354N0730412.1. Conn. State Highway Dept. Drilled 1958. Altitude 107.3 ft. Depth to water 10 ft. est.					
		Water	2	2	
		Gravel, sand, and some silt	13	15	
		Sand, medium, and silt, brown	9	24	
		Sand, fine and coarse, and silt	9	33	
		Sand and gravel	8	41	
		Rock, hard	7	48	
		Sh 3 th. 411701N0730922.1. Conn. State Highway Dept. Drilled 1941. Altitude 280 ft. Depth to water 0 ft. est.			
		Gravel, boulders, and sand	14	14	
		Ledge, soft	6	20	
		Sh 6 th. 411714N0730820.1. Bridgeport Hydraulic Co. Drilled 1951. Altitude 230 ft. Depth to water 0 ft. Drilled by S. B. Church Co.			
		Mud and sand, gray	7	7	
		Gravel	5	12	
		Mud and sand, gray	5	17	
		Sand, gray	5	22	
		Sand and gravel	11	33	
		Gravel (water flowed from casing)	5	38	
		Sand and gravel	6	44	
		Rock		at 44	
		Sh 7 th. 411724N0730824.1. Bridgeport Hydraulic Co. Drilled 1951. Altitude 230 ft. Water level above land surface. Drilled by S. B. Church Co.			
		Mud	6	6	
		Sand	5	11	
		Sand, fine	5	16	
		Sand, very fine	5	21	
		Clay and sand (flow)	5	26	
		Sand and gravel (flow)	5	31	
		Sand and gravel	6	37	
		Gravel, coarse, and sand (dove hard)	5	42	
		Gravel (hard packed)	5	47	
		Gravel (hard packed) (slight flow)	4	51	
		Rock	2	53	
		Sh 8 th. 411750N0730820.1. Bridgeport Hydraulic Co. Drilled 1951. Altitude 230 ft. Water level above land surface. Drilled by S. B. Church Co.			
		Mud and sand	7	7	
		Sand and gravel	7	14	
		Mud	7	21	
		Clay, sand, and gravel (flow)	6	27	
		Sand and gravel (water ran away)	6	33	
		Sand	11	44	
		Gravel (slight flow)	6	50	
		Gravel (flow)	4	54	
		Gravel	3	57	
		Sh 9 th. 411727N0730827.1. Bridgeport Hydraulic Co. Drilled 1951. Altitude 230 ft. Depth to water 0 ft. Drilled by S. B. Church Co.			
		Sand	18	18	
		Mud and sand	4	22	
		Clay	6	28	
		Sand and gravel	10	38	
		Sand (flow)	6	44	
		Sand, clean, and a layer of coarse gravel	5	49	
		Gravel	5	54	
		Rock		at 54	
		Sh 10 th. 411534N0730527.1. Grasso Construction Co. Drilled 1963. Altitude 154 ft. Drilled by Soiltesting, Inc.			
		Water	21.5	21.5	
		Sand, fine, and silt, yellowish-brown, some fine gravel	13.5	35	
		Sand, coarse, and gravel, yellowish-brown, some silt, trace of clay	5	40	
		Refusal		at 40	
		Sh 11 th. 411608N0730527.1. Auto-Swage Products, Inc. Drilled 1965. Altitude 25 ft. est. Depth to water 10 ft. est. Drilled by Soiltesting, Inc.			
		Gravel, fine to medium, and little sand, fine to coarse, dense brown	10	10	
		Sand, fine to coarse, little gravel, very dense, brown	5	15	
		Sand, fine, and trace of coarse sand, medium to compact, brown	10	25	
		Sand, fine, medium compact, brown	6.5	31.5	
		Sh 12 th. 411903N0730532.1. Drilled 1964. Altitude 25 ft. Depth to water more than 21.5 ft. Drilled by Soiltesting, Inc.			
		Fill: Blacktop, 2 in, sand and medium to coarse gravel, black	5	5	
		Sand, fine to medium, trace of fine gravel, trace of silt, brownish-gray	2.5	7.5	
		Sand, fine to medium, some fine to coarse gravel, trace of silt, brownish-gray	6.5	14	
		Sand, fine, silty, trace of clay, brown	3	17	
		Sand, fine to medium, little fine to medium gravel, trace of silt, brown	4.5	21.5	
		Sh 13 th. 411858N0730523.1. B. F. Goodrich, Drilled 1965. Altitude 10 ft. Drilled by Soiltesting, Inc.			
		Water	5	5	
		Fill	8.5	13.5	
		Silt, black, and oily substance	5.5	19	
		Sand, fine, and oil, trace of silt, grayish-brown	5	24	
		Sand, fine to coarse, trace of fine gravel, grayish-brown, trace of black oily substance	22.5	46.5	
		No sample, cobble	8.5	55	
		Sand, fine, little silt, trace of clay, grayish-brown	2	57	
		Refusal		at 57	
		Sh 14 th. 411858N0730523.1. B. F. Goodrich Co. Drilled 1965. Altitude 10 ft. Drilled by Soiltesting, Inc.			
		Water	5	5	
		Fill	7	12	
		Sand, fine, grayish-brown, some waste and organic matter	12	24	
		Sand, fine, grayish-brown, little fine gravel and black organic matter	5	29	
		Sand, fine, some silt, grayish-brown	8.5	37.5	
		Refusal		at 37.5	
		Sh 15 th. 412003N0730711.1. Bridgeport Hydraulic Co. Drilled 1965. Altitude 24.8 ft. Depth to water 2 ft. est. Drilled by C. W. Lauman Co.			
		Topsoil	1	1	
		Sand, silty, and boulders, brown	8	9	
		Sand, medium to coarse, grit, large gravel, and boulders, brown	20	29	
		Sand, silty, gravel, boulders, some rice, brown	40	69	
		Rock	8.6	77.6	
		Sh 16 th. 412008N0730715.1. Bridgeport Hydraulic Co. Drilled 1966. Altitude 28.4 ft. Depth to water 5 ft. est. Drilled by C. W. Lauman Co.			
		Sand, silty, large gravel, brown	11	11	
		Sand, medium to coarse, and grit, and boulders, brown	14	25	
		Sand, silty, large gravel and boulders, brown	84	109	
		Rock	1	110	
		Sh 17 th. 412017N0730722.1. Bridgeport Hydraulic Co. Drilled 1956. Altitude 29.5 ft. Depth to water 5 ft. est. Drilled by C. W. Lauman Co.			
		Topsoil	1	1	
		Loam	5	6	
		Sand, medium, grit, large gravel and boulders, brown	25	31	
		Sand, silty, fine sand, grit, gravel, boulders, layered, brown	30	61	
		Sand, fine to medium, gravel, boulders, brown	27	88	
		Sand, fine, layers of gravel, streaks of silty sand, brown	14	102	
		Boulders, medium to coarse sand, grit and gravel	12	114	
		Rock	9	123	
		Sh 18 th. 412012N0730718.1. Bridgeport Hydraulic Co. Drilled 1966. Altitude 29.5 ft. Depth to water 5 ft. est. Drilled by C. W. Lauman Co.			
		Topsoil	1	1	
		Sand, silty, large gravel, and boulders, brown	7	8	
		Sand, medium, grit, gravel, and boulders, brown	19	27	
		Sand, silty, streaks of sand, gravel, and boulders, brown	62	89	
		Sand, very fine, clay, grit, gravel, and boulders, brown	55	144	
		Rock	3	147	
Town of Shelton					
Sh 1 th. 411848N0730516.1. Conn. State Highway Dept. Drilled 1948. Altitude 15.41. Depth to water 10 ft. est.					
		Fill: Sand and gravel	2	2	
		Sand, fine, and silt	7	9	
		Sand, coarse, silt, and big gravel	9	18	
		Sand, coarse, gravel and rotten rock	3	21	
		Sand, medium, brown	7	28	
		Sand, gravel, and silt	2	30	
		Sand, medium, silt, brown	10	40	
		Sand, gravel, and silt	7.5	47.5	
		Rock, soft	5.5	53	

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Shelton--Cont.								
Sh 20 th. 412018N0730726.1. Bridgeport Hydraulic Co. Drilled 1966. Altitude 39.1 ft. Depth to water 15 ft est. Drilled by C. W. Lauman Co.			Sb 4 th. 412837N0731244.1. Conn. State Highway Dept. Drilled 1950. Altitude 243.4 ft. Depth to water 10 ft.			Sb 10 th. 412903N0731532.1. Conn. State Highway Dept. Altitude 150 ft. Depth to water 5 ft est.		
Topsoil	0.5	0.5	Topsoil	1	1	Fill: Sand, gravel, silt	5	5
Loam and boulders	1	1.5	Sand, fine, broken cobble pieces, trace of vegetation, brown	5	6	Sand, silt, some gravel	6	11
Sand, medium, large gravel, and boulders	41.5	43	Sand, fine, trace of medium to fine gravel, and coarse sand, brown	7	13	Silt, trace of clay, gray and tan	9	20
Sand, silty, medium sand, grit, gravel, boulders, layered, brown	15	58	Sand, coarse to fine, and coarse to fine gravel, brown	6	19	Silt, trace of clay, trace of very fine sand, gray	10	40
Sand, medium, grit, gravel, boulders, streaks of silty sand, brown	31	89	Till(?) : Gravel, coarse, some fine sand and silt, trace of clay, red-brown (cemented)	13	32	Sand, very fine, and silt, gray	23	73
Sh 21 th. 412033N0730729.1. Bridgeport Hydraulic Co. Drilled 1966. Altitude 30 ft. Depth to water 5 ft est. Drilled by C. W. Lauman Co.			Gneiss, micaceous, fractured, hard	10	42	Sand, very fine, and silt, some clay, gray	8	81
Sand, silty, and clay, boulders, medium brown sand, gravel, layers of silty sand, brown	14	14	Sb 5 th. 412822N0731302.1. Conn. State Highway Dept. Drilled 1950. Altitude 356.6 ft. "Ground water not encountered."			Silt and clay, brown and gray layers, trace of fine sand	11	92
Sand, silty, and some boulders and clay, gray	10	24	Topsoil	4	4	Sand, fine to medium, trace of silt, gray	23	115
Clay, silty, sandy, and gravel, boulders, gray	115	139	Sand, coarse to fine, and coarse to fine gravel, trace of silt, red-brown	5	9	Sand, fine, and silt, gray	1	126
Sand, fine to medium, some clay and gravel, boulders, brown	16	155	Sand, fine, trace of silt, red-brown	7	16	Gravel, brown	11	127
Sand, silty, clay, streaks of gravel and boulders, brown	15	170	Gravel, coarse to fine, and shale, little coarse to fine sand, trace of silt	4	20	Sh 11 th. 412800N0731455.1. Conn. State Highway Dept. Drilled 1935. Altitude 149 ft. Depth to water 0 ft est.		
Sand, fine to medium, clay, grit, gravel, and boulders, brown	19	189	Sand, coarse to fine, medium to fine gravel, trace of silt, brown-gray	10	32	Loam and sand	9	9
Sh 23 th. 411927N0730608.1. Conn. Light and Power Co. Drilled 1927. Altitude 2.3 ft. Depth to water 0 ft.			Till, red-brown	8	40	Gravel and clay	8	17
Sand, gravel, and boulders	14.3	14.3	Till	30	70	Ledge	at 17	
Bedrock	16	30.3	Boulder	1	71	Sb 12 th. 412802N0731556.1. Conn. State Highway Dept. Drilled 1935. Altitude 151 ft. Depth to water 0 ft.		
Sh 24 th. 411929N0730610.1. Conn. Light and Power Co. Drilled 1927. Altitude 0.8 ft. Depth to water 0 ft.			Quartz mica schist, broken, soft	10	81	Loam and sand	8	8
Sand, gravel, and boulders	8	8	Sb 6 th. 412801N0731320.1. Conn. State Highway Dept. Drilled 1950. Altitude 229.1 ft. Depth to water 23 ft.			Gravel and clay	5	13
Rock	16	24	Loam, some fine sand, brown	1	1	Ledge	at 13	
Sh 25 th. 411930N0730612.1. Conn. Light and Power Co. Drilled 1927. Altitude 0.2 ft. Depth to water 0 ft.			Sand, fine, some silt, little medium to fine gravel, red-brown	5	6	Sb 13 th. 412655N0731743.1. Conn. Light and Power Co. Altitude 114.6 ft. Depth to water 5 ft est.		
Sand, gravel, and boulders	5.8	5.8	Sand, fine, some silt, red-brown	6	12	Sand	24	24
Rock	14	19.8	Silt, non-plastic, some fine sand, red-brown	17	29	Sand, small boulders	9	33
Sh 26 th. 411931N0730611.1. Conn. Light and Power Co. Drilled 1927. Altitude -1.09 ft. Depth to water 0 ft.			Silt, clayey, little fine sand, brown-gray	2	31	Till(?) : Boulder	4	37
Sand, gravel, and boulders	13	13	Sand, fine, and silt, trace of clay (slightly plastic), red-brown	8	39	Till(?) : Sand, small boulders	5	42
Bedrock	16	29	Sand, fine, little silt, red-brown	9	58	Schist, brown	30	72
Sh 27 th. 411928N0730614.1. Conn. Light and Power Co. Drilled 1927. Altitude 18.1 ft. Depth to water 0 ft.			Sand, fine, trace of silt, brown	6	64	Sb 14 th. 412653N0731744.1. Conn. Light and Power Co. Altitude 97.8 ft. Depth to water 0 ft.		
Mud	5.5	5.5	Sand, fine, little silt, red-brown	5	69	Sand	26	26
Sand and gravel	4.4	9.9	Sand, fine, trace of silt, brown	10	79	Schist	29	55
Boulders and gravel	2.5	12.4	Sand, fine, little silt, red-brown	5	84	Sb 15 th. 412700N0731744.1. Conn. Light and Power Co. Altitude 218.3 ft. Depth to water 15 ft est.		
Bedrock	6	18.4	Sand, fine, trace of silt, brown	6	90	Sand, gravel	8	8
Town of Southbury								
Sb 1 th. 412622N0731454.1. Conn. State Highway Dept. Drilled 1950. Altitude 100 ft.			Mica schist, broken, medium hard	10	100	Till: Sand, boulders	20	28
Water	11	11	Sb 7 th. 412703N0731454.1. Conn. State Highway Dept. Drilled 1950. Altitude 227.4 ft. "Ground water not encountered."			Till: Sand, gravel	4	32
Mud	7	18	Topsoil	4	4	Schist	30	62
Hardpan, cobbles, gravel, sand, and some silt	4	22	Gravel, medium to fine, some sand, little silt, brown	5	9	Sb 16 th. 412657N0731744.1. Conn. Light and Power Co. Altitude 133.0 ft. Depth to water 5 ft est.		
Gravel, fine, coarse sand with thin layers of hardpan	60	82	Sand, coarse to fine, some fine gravel, little silt, brown	12	21	Sand	13	13
Rock	5	87	Sand, fine, trace of medium to fine gravel, and silt, brown	10	31	Till: Sand, gravel	5	18
Sb 2 th. 412625N0731456.1. Conn. State Highway Dept. Drilled 1950. Altitude 100 ft.			Sand, fine, and silt, trace of medium to fine gravel, gray	8	39	Schist	30	48
Water	3	3	Till, brown	68	107	Sb 17 th. 412655N0731738.1. Conn. Light and Power Co. Altitude 113.5 ft. Depth to water 5 ft est.		
Black muck	5	8	Schist, decomposed	3	110	Loam	2	2
Sand, medium to coarse, brown	8	16	Quartz mica schist, gray	10	120	Sand	16	18
Sand, gravel, and silt--hardpan	8	24	Sb 8 th. 412623N0731506.1. Conn. State Highway Dept. Drilled 1959. Altitude 121.5 ft. Depth to water 21 ft.			Till: Sand, small boulders	8	26
Sand and gravel	4	28	Fill: Sand, fine, little medium to coarse sand, trace of fine to coarse gravel, cobbles, brown	14	14	Schist, brown	30	56
Sand, gravel, and silt--hardpan	18	46	Gravel, fine to coarse, some silt, trace of fine to medium gravel, brown-black	2	16	Sb 18 th. 413002N0731315.1. U.S. Geol. Survey. Drilled 1966. Altitude 195 ft. Depth to water 7 ft est.		
Soft gray mica rock	9	55	Sand, fine to coarse, little fine to coarse gravel, trace of cobbles, some silt, trace of mica, brown	9	25	Fill	4	4
Sb 3 th. 413002N0731314.1. Conn. State Highway Dept. Drilled 1955. Altitude 180 ft. Depth to water 5 ft est.			Sand, fine to coarse, little fine to coarse gravel, little silt, cobbles, brown	9	34	Sand, medium to coarse, some gravel, dark yellowish-brown	6	10
Fill, sand	6	6	Sand, coarse to fine, some fine to coarse gravel, little silt, cobbles, brown	21	55	Sand, fine to medium, dark yellowish-brown	5	15
Silt and fine sand, gray	4	10	Sand, fine to coarse, little fine to coarse gravel, little silt, trace of mica, cobbles, brown	3	58	Sand, fine to medium, grading to silt and very fine sand with increasing depth, dark yellowish to reddish-brown	48	63
Sand, fine, and silt	4	14	Sand, fine, silt, little mica, trace of medium sand, reddish-brown	4	62	Gravel(?)	3	66
Sand, medium, and silt	2	16	Till, sand, fine to coarse, some silt, little fine to coarse gravel, trace of rotten rock, cobbles, brown-tan	4	66	Till, clayey, red	5	71
Gravel, fine, and cobbles, tan	3	19	Rock, sandy, hard, gray	5	71	Refusal	at 71	
Sand, medium, tan	9	28	Sb 9 th. 412621N0731508.1. Conn. State Highway Dept. Drilled 1959. Altitude 121.5 ft. Depth to water 21 ft.					
Sand, fine to medium, and some silt, tan	22	50	Sand, coarse to fine, trace of fine to coarse gravel, little silt, cobbles, brown	21	21			
Sand, fine, silt, and mica, tan	15	65	Till(?) : Sand, fine to coarse, some silt, little fine to coarse gravel, cobbles, tan-brown, rotten mica rock	3	24			
Sand, fine, and silt, brown	18	83	Rock with mica, sandy, hard, gray	10	34			
Till, hard, brown	4	87						
Rock, soft, brown	2	89						

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Southbury--Cont.			Sb 27 th. 412926N0731324.2. U.S. Geol. Survey. Drilled 1966. Altitude 180 ft. Depth to water 5 ft est. Drilled by Testborings, Inc.	St 27 th. 410939N0730554.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.				
Sb 19 th. 412957N0731304.1. U.S. Geol. Survey. Drilled 1966. Altitude 195 ft. Depth to water 7 ft est.			Silt, organic, black	5	5	Water	7	7
Topsoil and sand	4	4	Sand, very fine to fine, little medium sand, trace to some coarse to very coarse gravel, some fine gravel layers	49	54	Sand, coarse, and muck.	2	9
Gravel, fine to medium	4	8	Gravel, fine to medium, with sand and silt	10	64	Sand, medium to coarse, gray	5	14
Sand, very fine to fine, some silt, moderate to dark yellowish-brown. . .	27	35	Refusal		at 64	Sand, medium to coarse, and shells, gray	12	26
Gravel, fine, with fine to very coarse sand, moderate to dark yellowish-brown.	8	43	Town of Stratford			Shells, fine sand, and dark silt. . .	18	44
Sand, very fine to fine, some silt, trace of gravel, moderate to dark yellowish- brown	7	50	St 23 th. 411156N0730707.1. Conn. State Highway Dept. Drilled 1955. Altitude 14.4 ft. Depth to water 9 ft.			Sand, fine, and dark silt	11	55
Sand, very fine to medium, little coarse to very coarse sand, little silt, trace of gravel, dark yellowish-brown	6	56	Sand, coarse to fine, some fine gravel, brown	4	4	Water	7	7
Till(?)	4	60	Sand, coarse to medium, brown, and coarse to fine angular gravel	4	8	Muck, black, medium sand, and shells.	9	16
Till, reddish	3.5	63.5	Sand, coarse, brown, and medium to fine subangular gravel	5	13	Muck, gray, and shells.	13	29
Sb 20 th. 412938N0731322.1. U.S. Geol. Survey. Drilled 1966. Altitude 185 ft. Depth to water 5 ft est.			Sand, coarse to medium, brown, and medium subangular gravel	5	18	Sand, gray	5	34
Topsoil and sand	4	4	Sand, medium to fine, tan	10	28	Sand, fine, gray, and dark gray muck.	14	48
Gravel, fine	6	10	Sand, fine, light brown	5	33	St 29 th. 410958N0730617.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Silt, clayey, some very fine to medium sand, medium to dark gray (wet)	25	35	Sand, medium to fine, tan	5	38	Water	9	9
Sand, fine to medium, little to some coarse sand, trace of gravel, moderate to dark yellowish-brown	19	54	Sand, coarse to medium, trace of silt, yellow-brown	5	43	Sand, gray, and gravel.	3	12
Gravel, fine, moderate to dark yellowish- brown	4	58	Till(?) Sand, coarse to fine, gray-brown, and medium to fine angular gravel, trace of silt	5	48	Sand, coarse, and gravel, gray. . . .	11	23
Till, clayey, silty, reddish	2	60	Sand, coarse to fine, tan, some medium to fine angular gravel, little silt	5	53	Rock or boulder		at 23
Refusal		at 60	Sand, medium to fine, tan, some medium to fine angular gravel	5	58	St 30 th. 411239N0730644.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sb 21 th. 412719N0731437.1. U.S. Geol. Survey. Drilled 1966. Altitude 185 ft. Depth to water 8 ft est.			Sand, medium to fine, gray-brown, some medium to fine angular gravel, little silt	5.5	63.5	Water	3	3
Silt, some very fine sand, reddish-brown.	34	34	Mica schist, fresh texture, dense gray. .	5	68.5	Sand, fine to medium, gray, and silt, woodchips, thin layers of peat. . . .	27	30
Gravel, sandy, silty, pebbly, poorly sorted, compact, grayish red	17	51	St 24 th. 411150N0730717.1. Conn. State Highway Dept. Drilled 1955. Altitude 5.9 ft. Depth to water 1.5 ft.			Sand, fine to medium, gray, and silt.	13	43
Till(?) sandy, silty, trace of clay, pebbly, very compact, reddish-brown	16	67	Fill	5	5	Sand, medium, gray.	10	53
Till, clayey, gravelly, very compact, grayish-red	2.5	69.5	Peat, dark brown.	4	9	St 31 th. 411248N0730640.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sb 22 th. 412821N0731525.1. U.S. Geol. Survey. Drilled 1966. Altitude 130 ft. Depth to water 0.5 ft.			Sand, coarse to medium, little fine gravel, trace of clayey silt, few roots, brown.	4	13	Water	3	3
Topsoil	3	3	Sand, coarse to medium, uniform, tan . .	5	18	Sand, fine, gray, and woodchips . . .	11	14
Sand and fine gravel	8	11	Sand, coarse to fine, uniform, tan. . . .	5	23	Sand, fine to medium, gray, and silt.	11	25
Silt, some very fine sand, trace of clay, light olive-gray to olive-gray	92	103	Sand, coarse to medium, little fine gravel, tan	5	28	Sand, medium, gray, and silt, and thin layers of silt	11	36
Sb 23 th. 412934N0730930.1. UniRoyal, Inc. Drilled 1967. Altitude 520 ft. Depth to water 0 ft est.			Gravel, fine, and coarse to medium sand, light gray	5	33	Sand, medium to coarse, gray.	10	46
Sand, very coarse to coarse with silt and clay	15	15	Sand, coarse to fine, some fine gravel, tan	5	38	Water	2	2
Sand, very fine to coarse	1	16	Sand, coarse to fine, yellow-brown, some fine gravel, trace of clayey silt; gravel waterworn with decomposed parts of high mica content.	5	43	Sand, fine to medium, gray, and wood- chips	17	19
Sand, very fine to very coarse with silt and clay, gray	9	25	Sand, medium to fine, trace of fine gravel, brown	5	48	Sand, fine to medium, silt, gray, and woodchips	12	31
Refusal		at 25	Gravel, coarse to fine, some medium to fine sand, trace of clayey silt; gravel angular with decayed mica schist parts	5	53	Gravel and silt, gray	2	33
Sb 24 th. 412917N0730931.1. UniRoyal, Inc. Drilled 1967. Altitude 515 ft. Depth to water +0.35 ft. 2-in well pulled; screen 24-30; yield 6 gpm.			Sand, medium to fine, tan	5	58	St 32 th. 411320N0730637.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Peat and sand, very fine to fine.	10	10	Sand, fine, tan	5	63	Water	4	4
Sand, very fine to very coarse with silt and clay	10	20	Sand, coarse to fine, little fine gravel, trace of silt, gray-brown	5	68	Sand, silt, gray, and woodchips . . .	10	14
Sand, very fine to coarse, light brown. .	5	25	Till: Sand, fine, gray-brown, and clayey silt, little fine gravel. Gravel con- sists largely of decomposed schist fragments of high mica content.	5	73	Sand, fine to medium, silt, gray, and woodchips	10	24
Sand, very fine to very coarse, light gray	5	30	Till: Gravel, fine, and coarse sand, some clayey silt; gravel consists of schistose fragments with decomposed parts	6	79	Sand, fine to medium, silt, gray, and layers of peat and grassroots	10	34
Sand, very fine to very coarse, silt, light gray	5	35	Mica schist, fresh, gray, flaked structure separating on $\pm 45^\circ$, cleavage lines in places	3	82	Sand, medium, and gray silt	7	41
Refusal		at 35	St 25 th. 411148N0730719.1. Conn. State Highway Dept. Drilled 1955. Altitude 16.1 ft. Depth to water 13 ft.			Gravel, gray	5	46
Sb 25 th. 412914N0730934.1. UniRoyal, Inc. Drilled 1967. Altitude 520 ft. Depth to water 0 ft est.			Fill: Sand and gravel, brown (surface sample)	3	3	Rock		at 46
Sand, medium, brown and gray.	10	10	Sand, fine, little fine gravel, brown . .	5	8	St 34 th. 411406N0730623.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand, fine to medium, brown and gray, cobble zone at 10 ft	9	19	Sand, coarse to fine, and medium to fine gravel, yellow-brown.	5	13	Water	5	5
Sand, medium to coarse, well sorted, reddish-brown	3	22	Sand, coarse to fine, and fine gravel, trace of silt, brown.	5	18	Sand, silt, gray, and woodchips . . .	15	20
Sand, very fine to fine, grayish-brown. .	7	29	Sand, coarse, and medium to fine gravel, dark brown; some organic humus. . . .	5	23	Sand, fine to medium, silt, gray, and woodchips	17	37
Refusal		at 29	Sand, medium to fine, trace of fine gravel, tan	5	28	Sand, medium, gray.	6	43
Sb 26 th. 412939N0731333.1. Poparazzo Bros. Drilled 1968. Altitude 185 ft. Depth to water 5 ft est. Drilled by S. B. Church Co. Log from sample examination of driller's cuttings by W. E. Wilson--depth intervals uncertain.			Sand, medium to fine, some organic humus, trace of fine gravel, brown	5	33	Rock or boulder		at 43
Sand, fine to medium, trace of gravel, orange-brown.	20	20	Sand, medium to fine, little silt, yellow- brown	7	40	St 35 th. 411424N0730613.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
Sand, very fine to fine, well sorted, micaceous, light gray	35	55	Rock, schistose	5.1	45.1	Water	8	8
Till	11	66	St 26 th. 410923N0730537.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.			Sand, coarse, and gravel, gray.	13	21
			Water	12	12	Sand, fine to medium, silt, gray, and woodchips	3	24
			Sand, medium to fine, and black silt. . .	12	24	Sand, fine to medium, and silt, gray.	8	32
			Sand, coarse, and gravel, gray.	11	35	Sand, fine, and silt, tan	10	42
						Rock, soft, or hardpan.		at 42
						St 36 th. 411429N0730600.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.		
						Water	10	10
						Sand, medium to coarse, brown	13	23
						Sand, medium to coarse, gray	17	40

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

Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Town of Stratford--Cont.		St 42 th. 411214N0730645.1. Conn. State Highway Dept. Drilled 1955. Altitude 12.9 ft. Depth to water 8.9 ft.		St 49 th. 411448N0730532.1. Conn. State Highway Dept. Drilled 1938. Altitude 0 ft.	
St 37 th. 411432N0730552.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft.				Water	10 10
Water	5 5	Sand, fine, and fine gravel, some rock fragments, brown, dr.	4 4	Sand, soft	30 40
Sand, medium, gray	30 35	Sand, fine to coarse, and fine gravel, gray and brown, wet	4 8	Fill: Gravel and cobbles, hard	13 53
Sand, medium, gray, and woodchips	4 39	Same as above with rock fragments, probably heavy gravel	5 13	Ledge	6 59
Gravel, gray	4 43	Sand, fine to coarse, and fine gravel, trace of silt and rock fragments, gray; moist compact	3.9 16.9	St 50 th. 411202N0730644.1. Conn. State Highway Dept. Drilled 1918. Altitude 3 ft. Depth to water 7.5 ft.	
St 38 th. 411202N0730700.1. Conn. State Highway Dept. Drilled 1955. Altitude 13.0 ft. Depth to water 7.5 ft.		Rock: Gray, dense, with nearly vertical laminations, some weathering	5 21.9	Loam, sandy, gray	44 44
Sand, fine, little silt, trace of fine gravel, yellow-brown	1.5 1.5	St 43 th. 411216N0730640.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft. Log based on Conn. State Highway Dept. log and sample study by C. W. Spencer (Upson and Spencer, 1964, plate 18, borehole number 31-HR).		Sand, coarse, brown	10 54
Sand, fine, little silt, yellow-brown	2.5 4	Water	21 21	Sand, fine, gray	10 64
Sand, coarse to medium, trace of gravel, brown	1.5 5.5	Clay, silty, organic, dark brown	15 36	Sand, fine, gray	7 71
Sand, coarse to medium, brown	1.5 7	Sand, very fine, gray	3 39	Sand, fine, gray	2 73
Sand, coarse to fine, and fine gravel, tan silt, clayey, gray-brown, medium plastic, contains fine roots	1 8	Sand, fine, silty, and medium to fine gravel, brown (fill-like)	5 44	St 51 th. 411202N0730642.1. Conn. State Highway Dept. Drilled 1918. Altitude 0 ft.	
Sand, coarse to fine, trace of clayey silt, dark gray, slightly plastic . . . . .	.5 8.5	Gravel, fine to medium, some silty fine sand, brown (fill-like)	5 49	Water	13 13
Sand, fine, little clayey silt, gray-brown, slightly plastic	1 10	Sand, fine, silty, some fine to medium gravel, brown (fill-like)	5 54	Gravel	22 35
Sand, medium to fine, trace of silt, brown	5 18	Gravel, fine to medium, angular, some fine to medium sand, brown	5 59	Sand, gray	5 40
Sand, medium to fine, some medium to fine gravel, tan	5 23	Silt and very fine sand with scattered fine gravel, buff	4 63	Sand, coarse, gray	5 50
Sand, coarse to fine, brown, trace of silt with brown fine sand and silt 3-in layer	5 28	Gravel, fine to medium, some silty fine to medium sand, brown (fill-like)	21 84	Sand, very fine, gray	7 57
Sand, coarse to fine, brown, little coarse to fine gravel; gravel waterworn	5 33	Sand, fine, silty, brown	17.3 101.3	Rock	5 62
Sand, medium to fine, brown	5 38	Mica schist	106.3	St 53 th. 411155N0730734.1. Conn. State Highway Dept. Drilled 1931. Altitude 15 ft. Depth to water 10 ft est.	
Fill: Sand, coarse to fine, some fine angular gravel, trace of silt, brown	5 43	St 44 th. 411217N0730636.1. Conn. State Highway Dept. Drilled 1955. Altitude 0 ft. Log based on Conn. State Highway Dept. log and sample study by C. W. Spencer (Upson and Spencer, 1964, plate 18, borehole number 35-HR).		Sand and gravel	15 15
Silt, coarse, and fine sand, tan	5 48	Water	12 12	Sand, fine, yellow	12 27
Silt, tan, little fine sand	5 53	Sand, very fine to coarse, average medium, micaceous, gray-brown, shell fragments. Sand, very fine to medium, trace of coarse sand, gray; no shells	23 35	Bedrock	at 27
Sand, fine, and silt, tan	5 58	Sand, medium to coarse, trace of fine gravel, gray; shells	4 50	St 54 th. 411155N0730731.1. Conn. State Highway Dept. Drilled 1931. Altitude 10 ft. Depth to water 5 ft est.	
Sand, medium to fine, little fine gravel, trace of silt, gray-brown	3.5 61.5	Sand, medium to very coarse, gray; sparse shell fragments	5 55	Swamp deposits	1 1
St 39 th. 411203N0730659.1. Conn. State Highway Dept. Drilled 1955. Altitude 17.5 ft. Depth to water 12 ft.		Sand, medium to coarse, gray; sparse shell fragments	5 60	Sand and gravel	2 3
Fill, topsoil, and sand	4 4	Sand, medium to very coarse, gray; some shell fragments	5 65	Sand, gray	9 12
Sand, coarse to fine, some medium to fine angular gravel, tan	4 8	Fill(?): Gravel, fine to medium, some medium to coarse sand, micaceous	10 75	Sand, brown	22 49
Sand, medium to fine, some medium to fine angular gravel, trace of silt, gray-brown	5 13	Fill: Gravel, fine to medium, some medium to fine sand	4 79	Clay, soft, gray	10 59
Sand, coarse to medium, some medium to fine subangular gravel, tan	5 18	Fill: Sand, fine to medium, gray, chopped and washed	4.8 83.8	Bedrock	at 59
Sand, coarse to medium, and fine subangular gravel, trace of silt, gray-brown	5 23	Mica schist	7 90.8	St 55 th. 411154N0730726.1. Conn. State Highway Dept. Drilled 1931. Altitude 10 ft. Depth to water 5 ft est.	
Sand, medium to fine, yellow-brown	5 28	St 45 th. 411447N0730545.1. Conn. State Highway Dept. Drilled 1938. Altitude 40 ft. Depth to water 40 ft est.		Mud and sand	5 5
Sand, fine, little fine subangular gravel, trace of silt, tan	5 33	Loam and clay	3 3	Sand, and decayed vegetation, dark brown	4 9
Sand, coarse to fine, some gravel, waterworn quartz, trace of silt, tan	5 38	Gravel and sand, hard	43 46	Sand, gray	6 15
Fill: Sand, fine, gray-brown, with high mica content, and medium to fine angular gravel with decayed parts, some clayey silt	7 45	Gravel, cobbles, and clay, very hard	32 78	Sand, coarse, few cobbles, gray	12 27
Mica schist, gray, fresh	5 50	Quicksand	24 102	Sand, fine, drifls very easily with water	35 62
St 40 th. 411211N0730651.1. Conn. State Highway Dept. Drilled 1955. Altitude 16.8 ft. Depth to water 12.8 ft. Log based on Conn. State Highway Dept. log and log of borehole number 11-HR in Upson and Spencer, 1964, plate 18.		Fill: Gravel and boulders, very hard	9 111	St 56 th. 411021N0730844.1. Sun Oil Co. Drilled 1963. Altitude 8 ft. Depth to water 8 ft est. Drilled by Soiltesting, Inc.	
Fill: Coal dust	4 4	Ledge	6 117	Peat and swamp muck	4 4
Sand, medium to fine, some silt, trace of fine gravel, yellow-brown; gravel waterworn	4 8	St 46 th. 411447N0730542.1. Conn. State Highway Dept. Drilled 1938. Altitude 0 ft. Depth to water 0 ft.		Sand, fine to coarse, brown; some fine to medium gravel; little silt	5 9
Sand, fine, some silt, trace of fine gravel; orange-brown, gravel waterworn	5 13	Mud	17 17	Sand, fine to coarse, brownish-gray; some fine to medium gravel; trace of silt	16.5 25.5
Sand, fine, tan	5 18	Gravel, sand, and cobbles, hard	14 31	St 57 th. 411525N0730551.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954(?). Altitude 15.2 ft. Depth to water 11 ft.	
Sand, medium to fine, yellow-brown	5 23	Sand, fine	19 50	Topsoil	1.5 1.5
Fill: Gravel, medium to fine, and brown fine sand, little silt; gravel is generally composed of decayed mica schist in flakes, silt has high mica content	5.9 28.9	Gravel, hard	4 54	Sand, medium to fine, silty	27.5 29
Mica schist; upper 10 in is quartz; remainder is flaky and laminated separating on 45° lines	5.1 34	Sand, soft	4 58	Sand, medium to coarse, and gravel	6 35
St 41 th. 411213N0730648.1. Conn. State Highway Dept. Drilled 1955. Altitude 14.5 ft. Depth to water 10.8 ft. Log based on Conn. State Highway Dept. log and sample study by C. W. Spencer (Upson and Spencer, 1964, plate 18, borehole number 17-HR).		Fill: Gravel and cobbles, hard	9 67	Refusal	at 35
Fill: Topsoil and coal dust	3 3	Ledge	6 73	St 58 th. 411511N0730548.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1957. Altitude 20 ft. Depth to water 16 ft.	
Sand, medium to fine, and medium to fine gravel, trace of silt, yellow-brown; gravel angular	5 8	St 47 th. 411447N0730539.1. Conn. State Highway Dept. Drilled 1938. Altitude 4 ft. Depth to water 4 ft.		Sand, medium, gravel, and fill	9 9
Sand, fine, and silt, yellow	5 13	Mud, soft	16 16	Sand, coarse, gravel, and fill	14 23
Sand, fine, some silt, yellow-brown	5 18	Mud and sand, soft	12 28	Sand, fine, gray, and fill	3 26
Sand, fine to very fine, gray-brown	5 23	Gravel, cobbles, and sand, hard	30 58	Loam, sand	2.5 28.5
Sand, very fine, and silt, buff	5 28	Sand, soft	11 69	Sand, medium to coarse, and gravel	4.5 33
Sand, fine to very fine, some silt, tan	5 33	Gravel, hard	7 76	Sand, fine, yellow, and layers of coarse sand, gravel	9 42
Sand, fine to very fine, tan	5 38	Sand and clay, soft	9 85	Sand, medium to coarse, and gravel	9 51
Sand, fine, some silt, yellow-brown	5 43	Fill: Gravel, cobbles, and sand, hard	9 94	St 59 th. 411458N0730548.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954(?). Altitude 20.6 ft. Depth to water 14 ft.	
Sand, fine, tan	5 48	Rock, rotten	14 108	Sand, fine to medium, and gravel	15 15
Sand, very fine to fine, yellow-brown	4 52	St 48 th. 411447N0730535.1. Conn. State Highway Dept. Drilled 1938. Altitude 0 ft. Depth to water 0 ft.		Sand, medium to coarse, and gravel	4 19
Mica schist, gray. Separated on cleavage lines 45°, fresh, few signs of weathering	5 57	Sand, soft	40 40	Sand, fine to medium, and gravel	2 21
		Gravel, cobbles, and sand, hard	9 49	Refusal	at 21
		Quicksand, soft	8 57	St 60 th. 411458N0730545.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954(?). Altitude 41.0 ft. Depth to water 31 ft.	
		Fill: Cobbles, gravel, and boulders	5 62	Topsoil	1.5 1.5
		Ledge	5 67	Sand, fine	6.5 8
				Sand, fine to medium, gravel	5 13
				Sand, medium to coarse, gravel	15 28
				Sand, fine (boulder at 32 ft)	12.5 40.5
				Sand, fine to medium, and gravel	1.5 42

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

Thick-
ness
(feet)

Depth
(feet)

Town of Stratford--Cont.

St 61 th. 41150N0730558.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954. Altitude 25 ft. Depth to water 9.2 ft. Drilled by Layne New York Co.

Topsoil 1 1

Sand, fine, and gravel, gray, tight 22 23

Sand, medium, and silt, brown 8 31

Fill: Hardpan 5 36

Refusal at 36

St 62 th. 41150N0730540.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954. Altitude 30 ft. Depth to water 20(7) ft. Drilled by Layne New York Co.

Topsoil 1 1

Sand, fine, and clay, brown 11 12

Sand, medium, brown 8 20

Sand, fine, brown 10 30

Sand, fine, brown, tight 3 33

Refusal at 33

St 63 th. 41151N0730533.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954. Altitude 20 ft. Depth to water 10(7) ft. Drilled by Layne New York Co.

Topsoil 1 1

Sand, fine, brown 11 12

Sand, fine, and gravel, brown 20 32

Sand, fine, brown, tight 2 34

Refusal at 34

St 65 th. 41151N0730548.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954. Altitude 10 ft. Depth to water 2.8 ft. Drilled by Layne New York Co.

Sand, medium, and gravel, brown 12 12

Sand, fine, and gravel, brown 13 25

Sand, fine, yellow 27 52

Fill: Hardpan 5 57

Refusal at 57

St 66 th. 41152N0730545.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954. Altitude 5 ft. Depth to water 11.2 ft. Drilled by Layne New York Co.

Topsoil 2 2

Sand, fine, and gravel, brown 8 10

Sand, medium, and gravel, brown 14 24

Sand, fine, yellow 9 33

Sand, medium, brown 9 38

Sand, medium, gray 4 42

Sand, coarse, gray 7 49

Sand, medium, dark gray 5 54

Sand, medium, brown 6 60

Sand, coarse, brown 12 72

Fill: Gravel, blue, tight-packed 9 81

St 67 th. 41151N0730555.1. United Aircraft Corp., Sikorsky Aircraft Div. Drilled 1954. Altitude 25 ft. Depth to water 5 ft. est. Drilled by Layne New York Co.

Topsoil 1 1

Sand, fine, brown 3 4

Fill: Hardpan 7 11

Thick-
ness
(feet)

Depth
(feet)

Tn 5 th. 41394N0730441.1. Conn. State Highway Dept. Drilled 1963. Altitude 349.0 ft. Depth to water 7 ft.

Sand, fine, silt, roots, dark brown . . . 5 5

Sand, medium to fine, trace of silt, tan 6 6

Sand, medium to fine, little organic silt 2 8

In layers in sand, roots, wood, tan-gray 2 8

Sand, coarse to fine, and fine to coarse gravel, trace of silt, cobbles, tan-brown 10 18

Sand, fine, mica, trace of silt, brown-tan 9 27

Sand, fine, mica, trace of silt, brown-tan 1 28

Sand, medium, trace of silt, mica, brown 5 33

Sand, medium to fine, little coarse sand, trace of fine to medium gravel, trace of silt, brown 6 39

Sand, coarse to fine, some fine to coarse gravel, trace of silt, cobbles, brown 4 43

Boulder 11 54

Sand, fine to coarse, some fine to coarse gravel, trace of silt, cobbles, brown mica rock with hard white quartz seams, medium hard 1.5 55.5

Sand, fine to coarse, some fine to coarse gravel, trace of silt, cobbles, brown mica rock with hard white quartz seams, medium hard 1.9 57.4

Tn 6 th. 41394N0730440.1. Conn. State Highway Dept. Drilled 1963. Altitude 354.9 ft. Depth to water 7 ft.

Sand, fine, some silt, trace of medium to coarse sand, trace of gravel, brown 4 4

Sand, fine to coarse, little fine to medium gravel, trace of silt, brown 4 8

Sand, coarse to fine, trace of fine gravel, trace of silt, brown 5.5 13.5

Sand, fine to coarse, little gravel, trace of silt, tan 1.7 15.2

Mica rock, medium hard, gray, with hard white quartz seams 10 25.2

Tn 7 th. 41392N0730445.1. Conn. State Highway Dept. Drilled 1963. Altitude 345 ft. Depth to water 0.5 ft.

Cobbles, sand, gravel, silt 1 1

Gravel, coarse to fine, and coarse to fine sand, cobbles, trace of silt, brown . . . 8.5 9.5

Rock, gray-green-white, hard, seamy . . 10 19.5

Tn 8 th. 41392N0730446.1. Conn. State Highway Dept. Drilled 1963. Altitude 345.2 ft. Depth to water 0 ft. est.

Sand, little gravel, silt, few cobbles, dark brown 5.5 5.5

Sand, fine, little silt, mica, dark brown 2.5 8

Sand, fine, silt, roots, wood, mica, trace of organics, grayish-tan to dark brown 2 10

Sand, fine to coarse, some fine to coarse gravel, trace of silt, cobbles, tan-brown 10.3 20.3

Rock, hard, gray-white 1.7 22

Rock, decomposed, sand, weathered seam 1 23

Rock, hard, gray-white, weathered seam at 26 ft to 26 ft 7 in. 6.5 29.5

Tn 9 th. 41405N0730403.1. Conn. State Highway Dept. Drilled 1963. Altitude 378.5 ft. Depth to water 7.5 ft.

Fill: Sand, brown, gravel, cobbles, rock slabs 9 9

Sand, coarse to fine, and fine to coarse gravel, cobbles, silt, brown 5.5 14.5

Sand, fine, little silt, mica, brown . . . 1.5 16

Sand, fine to coarse, and fine to coarse gravel, cobbles, trace of silt, brown mica schist, medium hard, soft seams, gray. Hard white quartz seams 2.3 18.3

Tn 10 th. 41410N0730403.1. Conn. State Highway Dept. Drilled 1963. Altitude 380.7 ft. Depth to water 9 ft.

Sand, fine to coarse, some silt, little gravel, few cobbles, dark brown . . . 1 1

Gravel, fine to coarse, and fine to coarse sand, cobbles, trace of silt, brown . . . 1.5 2.5

Silt, some fine sand, trace of medium to coarse sand, trace of gravel, dark brown 1.5 4

Sand, fine to coarse, and fine to coarse gravel, cobbles, silt, brown-tan . . . 4 8

Sand, fine to coarse, some fine to medium gravel, trace of coarse gravel, little silt, brown-tan 4 12

Sand, fine, little silt, mica, trace of clay, stratified, brown 8 20

Sand, medium, trace of coarse sand to fine gravel, trace of silt, light brown . . . 5 25

Sand, fine to coarse, some fine to medium gravel, trace of coarse gravel, trace of cobbles, trace of silt, brown-tan . . . 5 30

Sand, fine to coarse, and fine to coarse gravel, trace of silt, cobbles, brown-tan. Lost wash water at 37 ft. 9 39

Sand, fine, some silt, brown, decomposed rock, mica 1.9 40.9

Mica rock, hard, medium gray 5.1 46

Tn 11 th. 41410N0730403.1. Conn. State Highway Dept. Drilled 1963. Altitude 379.0 ft. Depth to water 8 ft. est.

Topsoil, little fine sand, dark brown 1 1

Sand, fine, little silt, mica, dark brown 6 7

Gravel, coarse to fine, and coarse to fine sand, cobbles, trace of silt, brown 3 10

Sand, fine to coarse, some fine to coarse gravel, cobbles, trace of silt, mica, brown 5 15

Sand, fine to coarse, and fine to coarse gravel, trace of silt, cobbles, brown-tan. Lost wash water at 21.5 ft and 31 ft 15 30

Sand, coarse to fine, trace of little fine to medium gravel, trace of coarse gravel, trace of silt, brown 8 38

Sand, fine to coarse, some fine to coarse gravel, cobbles, trace of silt, tan-brown 16 54

Sand, fine to coarse, little fine to coarse gravel, trace of silt, tan-brown 3 57

Sand, coarse to fine, some fine to coarse gravel, cobbles, trace of silt, brown-tan. Lost wash water at 59 ft 7 64

Sand, fine, trace of coarse sand, mica, trace to little silt, brown 9 73

Sand, fine, little coarse sand, trace of gravel, little silt, mica, brown, trace of clay washed up at 75 ft. 2.5 75.5

Rock, medium, white 4.5 80

Mica rock, medium gray 2.5 82.5

Tn 12 th. 41405N0730356.1. Conn. State Highway Dept. Drilled 1963. Altitude 364.6 ft. Depth to water 0 ft. est.

Boulders, cobbles, sand, gravel, silt . . 2 2

Sand, fine to coarse, and fine to coarse gravel, trace of silt, cobbles, brown-tan 7 9

Sand, fine to coarse, some fine to medium gravel, trace of coarse gravel, trace of silt, tan 3 16

Sand, coarse to fine, trace of fine gravel, trace of silt, tan 8 24

Sand, fine, little coarse sand, trace of fine gravel, trace of silt, brown 6 30

Sand, fine to coarse, trace of fine gravel, trace of medium gravel, trace of silt, brown 3 33

Sand, fine to coarse, little fine to medium gravel, trace of silt, brown 3 36

Sand, fine to coarse, and fine to coarse gravel, trace of silt, trace of cobbles, brown 8 44

Sand, fine to coarse, little fine gravel, trace of silt, trace of medium gravel, brown 6 50

Sand, fine to coarse, some fine to coarse gravel, trace of silt, cobbles, brown 10 60

Tn 13 th. 41405N0730358.1. Conn. State Highway Dept. Drilled 1963. Altitude 371.4 ft. Depth to water 6.5 ft.

Sand, fine, silt, mica, dark brown . . . 1.5 1.5

Sand, fine, little silt, mica, brown . . . 3 4.5

Sand, fine, trace of organic silt in layers in sand, mica, decayed wood, brown to grayish-tan 3.5 8

Gravel, fine to coarse, and fine to coarse sand, cobbles, silt, brown-tan . . . 12 20

Sand, coarse to fine, some fine to medium gravel, trace of silt, brown-tan 12 32

Sand, fine to coarse, some fine to coarse gravel, trace of coarse gravel, trace of silt, brown 5 37

Sand, fine to coarse, some fine to coarse gravel, trace of cobbles, trace of silt, brown 10 47

Sand, fine, mica, silt, brown 1 48

Sand, some gravel, trace of silt, brown mica schist, medium soft, seams, gray . . 5 54

Tn 14 th. 41414N0730354.1. Conn. State Highway Dept. Drilled 1963. Altitude 382.0 ft. Depth to water 11 ft.

Fill: Railroad embankment 6 6

Cobbles, some sand, little boulders, trace of silt 8.5 14.5

Sand, coarse to fine, and gravel, trace of silt, brown 4.5 19

Sand, fine, trace of silt, gray-brown . . 18 37

Sand, fine, trace of gravel, little cobbles, trace of silt, gray-brown 14 51

Rock 10 61

Tn 15 th. 41404N0730355.1. Conn. State Highway Dept. Drilled 1963. Altitude 386.9 ft. Depth to water 15 ft. est.

Fill: Clinders 2 2

Gravel, medium, sand, trace of silt . . . 1 3

Gravel, medium, trace of silt, cemented, gray and tan 6 9

Mica schist 10 19

Thick-
ness
(feet)

Depth
(feet)

Town of Thornton

Tn 1 th. 414025N0730409.1. Conn. State Highway Dept. Drilled 1956. Altitude 361.8 ft. Depth to water 5 ft. est.

Gravel, sand, silt, and cobbles 12 12

Sand, fine and medium, little silt, trace of mica, tan 5 17

Silt, fine sand, trace of mica, tan . . . 10 27

Sand, medium, trace of coarse sand and gravel, trace of silt and mica, light brown 15 42

Sand, medium, little coarse sand, some cobbles, little silt, brown 28 70

Tn 4 th. 41393N0730443.1. Conn. State Highway Dept. Drilled 1963. Altitude 353.5 ft. Depth to water 8 ft. est.

Topsoil, dark brown5 .5

Sand, fine, little medium to coarse sand, trace of fine gravel, little silt, roots, brown 3.5 4

Sand, fine, trace of silt, tan-brown . . . 5 9

Sand, fine to coarse, some fine to coarse gravel, silt, trace of cobbles, tan-brown mica rock, seamy, hard, medium gray . . . 10 35

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

Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Town of Thomaston--Cont.		Tn 24 th. 414145N0730354.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 402.9 ft. Depth to water 14 ft.		Tn 31 th. 414131N0730351.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 389.5 ft. Depth to water 5 ft est.	
Tn 16 th. 413854N0730457.1. Conn. State Highway Dept. Drilled 1961. Altitude 336.9 ft. Depth to water more than 7 ft.		Topsoil 1 1 Silt, sandy, with roots 2 3 Gravel, silty, sandy 2 5 Sand, silty 1 6 Sand, silty, stratified 4 10 Gravel, silty, sandy 7 17 Sand with gravel 2 19 Gravel, sandy 1 20 Sand with cobbles 5 25 Sand, gravelly 5 30 Sand, silty, gravelly, with cobbles 5 35 Sand, gravelly, silty, with cobbles 8.2 43.2 Schist 10.8 54 Pegmatite 14 68		Sand, silty, gravelly 1 1 Sand, medium to fine, silty, with organics 8 9 Gravel, silty, sandy 1 10 Sand, silty, gravelly, with cobbles 4 14 Gravel, silty, sandy 1 15 Boulder 1 16 Gravel, silty, sandy 2 18 Gravel, silty, sandy, with cobbles 3 21 Sand, silty, gravelly 4 25 Gravel, silty, sandy 20 45 Sand, silty, gravelly 4.6 49.6 Schist 15.4 65 Pegmatite 5 70	
Tn 17 th. 414025N0730417.1. Conn. State Highway Dept. Drilled 1930. Altitude 363.5 ft. Depth to water 5 ft est.		Tn 25 th. 414142N0730354.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 399.0 ft. Depth to water 12 ft.		Tn 32 th. 414125N0730357.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 383.9 ft. Depth to water 2.5 ft.	
Sand, fine, and silt 5.5 5.5 Sand, gravel, and cobbles 5 10.5 Rock at 10.5		Topsoil with cobbles 2 2 Gravel, silty, sandy, with cobbles 3 5 Gravel, sandy, with cobbles 4 9 Sand, medium to fine, silty 1 10 Sand, silty, gravelly, with cobbles 5 15 Gravel, silty, sandy, with cobbles 5 20 Sand, silty 4 24 Boulder 3.3 27.3 Schist 20.7 48		Sand, medium to fine 1 1 Sand, silty, with forest debris5 1.5 Sand, fine, silty 6.5 8 Gravel, sandy 2 10 Sand, gravelly 5 15 Sand, silty, gravelly 19.1 34.1 Pegmatite 20.9 55	
Tn 18 th. 413922N0730553.1. Thomaston Water Co. Altitude 375 ft. Depth to water 5 ft est. Drilled by S. B. Church Co.		Tn 26 th. 414143N0730357.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 430.7 ft. Depth to water 39 ft.		Tn 33 th. 414123N0730357.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 385.0 ft. Depth to water 4.5 ft.	
Sand, coarse, and cobbles 20 20 Sand, coarse 5 25 Not logged 7 32 Ledge at 32		Topsoil 1.5 1.5 Sand, silty 3.5 5 Sand, gravelly, with cobbles 1.5 6.5 Sand, medium to fine, with cobbles 2 8.5 Gravel, sandy, with cobbles 2.5 11 Sand, medium to fine, silty, with cobbles 2 13 Sand, gravelly, with cobbles 2 15 Gravel, sandy, with cobbles 3 18 Boulder 2 20 Gravel, sandy, with cobbles 5 25 Sand, medium to fine, gravelly, with cobbles 4 29 Boulder 1 30 Gravel, silty, sandy5 30.5 Sand, gravelly, with cobbles 2.5 33 Boulder 1 34 Gravel, sandy, with cobbles 11 45 Sand, silty, sandy, with cobbles 4.5 49.5 Pegmatite, with schist inclusions 30.5 80		Sand, fine, silty5 5 Sand, fine, silty, with forest debris 1 1.5 Sand, fine, silty, with organics 3.5 5 Sand, silty, gravelly 10 15 Gravel, sandy 5 20 Sand, silty, gravelly 10 30 Gravel, silty, sandy 5 35 Sand, silty, gravelly 7 42 No sample 1.5 42.5 Rock, weathered 32 44 Schist 32 76	
Tn 19 th. 413923N0730554.1. Thomaston Water Co. Altitude 375 ft. Depth to water 3 ft est. Drilled by S. B. Church Co.		Tn 27 th. 414140N0730353.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 396.7 ft. Depth to water 10 ft est.		Tn 34 th. 414126N0730357.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 386.4 ft. Depth to water 9 ft.	
Sand, coarse, cobbles, and boulders 10 10 Till: Hardpan 5 15 Ledge at 15		Topsoil with cobbles 1 1 Sand, gravelly, silty, with cobbles and roots 1 2 Gravel, silty, sandy 1 3 Boulder 1.5 4.5 Sand, gravelly5 5 Sand, gravelly, silty8 5.8 Pegmatite 5.2 11 Schist 25 36		Sand, medium to fine, silty 2 2 Topsoil 1 3 Sand, medium to fine, silty, with organics 2 5 Sand, medium to fine, silty 4 9 Sand, gravelly, silty 1 10 Gravel, sandy 3 13 No sample 2 15 Sand, gravelly, silty 8 23 No recovery 2 25 Sand, silty 3 28 Sand, silty, gravelly 2 30 Gravel, silty, sandy 5 35 Sand, silty, gravelly 5 40 Gravel, silty, sandy 1 41 Sand, silty 4 45 Sand, gravelly, silty 8.1 53.1 Pegmatite 20.9 74	
Tn 20 th. 413908N0730526.1. Thomaston Water Co. Altitude 355 ft. Depth to water 10 ft. Drilled by S. B. Church Co.		Tn 28 th. 414141N0730356.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 422.2 ft. Depth to water 37 ft.		Tn 35 th. 413810N0730440.1. U.S. Geol. Survey. Drilled 1966. Altitude 325 ft. Depth to water 5 ft est.	
Gravel and boulders 20 20 Sand, fine, and silt 40 60 Sand, medium to fine 15 75 Sand, fine, and clay 17 92 Till: Hardpan 3 95 Ledge at 95		Gravel, sandy, with cobbles 10 10 Gravel, silty, sandy, with cobbles 10 20 Sand, silty, gravelly, with cobbles 5 25 Gravel, silty, sandy, with cobbles 5 30 Boulder 3.5 33.5 Sand, silty, gravelly, with cobbles5 34 Gravel, silty, sandy, with cobbles 1 35 Sand, gravelly, with cobbles 5 40 Sand, gravelly, silty, with cobbles 4 44 Pegmatite 16 60 Schist 15 75		Topsoil and sand 6 6 Gravel, fine to coarse 10 16 Sand, medium, some coarse sand, iron- stained, dark yellowish-orange to medium yellowish-brown 12 28 Sand and gravel, interbedded, trace of silt, well sorted, dark yellowish- brown 26.5 54.5 Refusal at 54.5	
Tn 21 th. 413904N0730527.1. Thomaston Water Co. Altitude 355 ft. Depth to water 16.5 ft. Drilled by S. B. Church Co.		Tn 29 th. 414138N0730347.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 376.0 ft. Depth to water 0 ft.		Tn 30 th. 415113N0730930.1. Conn. State Highway Dept. Drilled 1951. Altitude 737.2 ft. Depth to water 0 ft.	
Gravel and cobbles 15 15 Silt to fine sand, trace of clay 70 85 Till: Hardpan 6 91 Ledge 9 100		Gravel, sandy, with cobbles 13 13 Sand, medium to fine, silty 6 19 Sand, silty, gravelly, with cobbles 3 22 Gravel, silty, sandy, with cobbles 28 50 No sample 4.9 54.9 Pegmatite 29.1 84		Loan and silt, sand 2 2 Sand and silt 3 5 Gravel and boulders, gray 8 13 Sand, coarse, gray 3 16 Gravel, gray 4 20 Sand, medium to coarse, gray and brown 6 26 Till(?): Gravel, brown, layers of hardpan 4 30	
Tn 22 th. 414130N0730353.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 385 ft. Depth to water 8 ft.		Tn 30 th. 414145N0730342.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 379.2 ft. Depth to water 0 ft.		Tn 31 th. 415113N0730930.1. Conn. State Highway Dept. Drilled 1951. Altitude 737.2 ft. Depth to water 0 ft.	
Sand, fine, silty, with organics 1 1 Sand5 1.5 Gravel, silty, sandy 13.5 15 Sand, coarse, gravelly 5 20 Sand, medium to fine, gravelly 5 25 Gravel, silty, sandy 5 30 Sand, silty, gravelly 10 40 Gravel, silty, sandy 5 45 Sand, gravelly 5 50 Gravel, silty, sandy 5 55 No sample 2 57 Sand, silty 3 60 Sand, silty, gravelly 5 65 Sand, medium to fine, silty 4 69 Schist 30 99		Gravel, silty, sandy 5 5 Gravel, sandy 7 12 Boulder 4 16 Gravel, sandy 12.2 29 Pegmatite 21 50		Tn 32 th. 415113N0730930.1. Conn. State Highway Dept. Drilled 1951. Altitude 737.2 ft. Depth to water 0 ft.	
Tn 23 th. 414149N0730350.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 401.6 ft. Depth to water 13 ft.		Tn 33 th. 414145N0730342.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 379.2 ft. Depth to water 0 ft.		Tn 33 th. 415113N0730930.1. Conn. State Highway Dept. Drilled 1951. Altitude 737.2 ft. Depth to water 0 ft.	
Sand, gravelly, silty 1 1 Gravel, sandy, with cobbles 4 5 Gravel, silty, sandy 5 10 Sand, silty, gravelly 5 15 Gravel, silty, sandy 5 20 Sand, silty, gravelly 2 22 Boulder 3 25 Sand 2 27 Sand, silty 10 37 Gravel, silty, sandy 3 40 Sand, gravelly, silty, with cobbles 5 45 Sand, medium to fine, silty 1 46 Boulder 6 52 Sand, coarse to medium, gravelly, with cobbles 3 55 Sand, silty, gravelly, with cobbles 5 60 Gravel, silty, sandy, with cobbles 4 64 Boulder 1 65 Gravel, silty, sandy, with cobbles 2 67 Gravel, silty, sandy 3 70 Sand, silty, gravelly 6 76 No sample 2.2 78.2 Schist 16.8 95 Pegmatite 10 105		Gravel, sandy, with cobbles 10 10 Gravel, silty, sandy, with cobbles 10 20 Sand, silty, gravelly, with cobbles 5 25 Gravel, silty, sandy, with cobbles 5 30 Boulder 3.5 33.5 Sand, silty, gravelly, with cobbles5 34 Gravel, silty, sandy, with cobbles 1 35 Sand, gravelly, with cobbles 5 40 Sand, gravelly, silty, with cobbles 4 44 Pegmatite 16 60 Schist 15 75		Tn 34 th. 415113N0730930.1. Conn. State Highway Dept. Drilled 1951. Altitude 737.2 ft. Depth to water 0 ft.	

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Torrington--Cont.								
T 2 th. 415256N0731007.1. Conn. State Highway Dept. Drilled 1955. Altitude 806.7 ft. Depth to water 0 ft.			T 11 th. 415030N0730729.1. U.S. Geol. Survey. Drilled 1966. Altitude 815 ft. Depth to water 5 ft est.			Wb 5 th. 413224N0730104.1. Conn. State Highway Dept. Drilled 1957. Altitude 350 ft. Depth to water 12 ft.		
Boulders, cobbles, gravel	6	6	Topsoil and fine sand	5	5	Sand, medium, and gravel, some silt, cobbles (large boulders on surface)	10	10
Till(?) : Gravel, cobbles, sand, silt, trace of clay	8	14	Gravel, coarse, and boulders	15	20	Sand, coarse, and gravel	14	24
Hardpan (very hard)	8	22	Sand	3	23	Till: Cobbles, gravel, medium sand, and silt (hardpan)	6	30
Boulder	3	25	Gravel, coarse	3.5	26.5	Rock, soft	3	33
Hardpan	2	27	Refusal, probably bedrock		at 26.5	Rock, hard, gray and white	5	38
T 3 th. 414802N0730719.1. Conn. State Highway Dept. Drilled 1956. Altitude 549.90 ft. Depth to water 5 ft est.			T 13 th. 415115N0730937.1. Torrington Water Co. Drilled 1966. Altitude 745 ft. Depth to water 8 ft est. Drilled by Conn. Test Borings, Inc.			Wb 6 th. 413225N0735832.1. Conn. State Highway Dept. Drilled 1958. Altitude 482.30 ft. Depth to water 6 ft.		
Fill	10	10	Sand, coarse to fine, and gravel, trace of silt, brown	14.5	14.5	Till: Boulder, gravel, sand	5	5
Sand, fine to medium, and cobbles, brown and gray	4	14	Till(?) : Boulders, granite and quartz	5	19.5	Gravel, sand, cobbles, trace of silt, tan	3	8
Sand, coarse, and gravel to cobbles, gray	2	16	T 14 th. 415146N0731002.1. Torrington Water Co. Drilled 1966. Altitude 800 ft. Depth to water 10 ft est. Drilled by Conn. Test Borings, Inc.			Gravel, boulders, cobbles, sand	5	13
Sand, medium to fine, cobbles and some silt, gray	2	18	Sand, coarse to fine, and silt, little coarse to fine gravel, trace of clay, gray	21	21	Trace of silt, tan	2	15
Sand, coarse, gravel, cobbles and small boulders, gray	8	26				Rock, hard, gray		
Rock	5	31	T 15 th. 415137N0730903.1. Torrington Water Co. Drilled 1966. Altitude 845 ft. Depth to water 1.5 ft.			Wb 7 th. 413234N0735850.1. Conn. State Highway Dept. Drilled 1957. Altitude 461.1 ft. Depth to water 2.5 ft.		
T 4 th. 414704N0730908.1. Conn. State Highway Dept. Drilled 1955. Altitude 860.6 ft. Depth to water 0 ft est.			Fill	1	1	Sand, fine to coarse, little fine gravel little silt, trace of medium to coarse gravel, few cobbles and boulders, roots, brown-black	1.5	1.5
Fill: gray sand and silt	5	5	Muck, organic, black	3	4	Sand, fine to coarse, some fine to coarse gravel, little silt, few cobbles, orange . . . . .	.5	2
Gravel and sand, gray	1	6	Till: Sand, coarse to fine, little coarse to fine gravel, little silt, gray	23	27	Sand, fine to coarse, some fine to medium gravel, little silt, few cobbles, brown	5	7
Sand, medium, silt, and fine gravel, gray	14	20	Bedrock, decomposed	3	30	Gravel, fine to coarse, some coarse to fine sand, little silt, few cobbles, tan	5	12
Sand, medium, and some silt (firm), gray	2	22	Refusal		at 30	Till: Gravel, fine to coarse, some coarse to fine sand, little silt, few cobbles, cobbles, (hardpan), tan	6	18
Gravel, sand, and silt, gray	8	30				Boulder	3	21
Till(?) : Gravel, sand, silt, clay, gray-green	8	38	Town of Waterbury					
Till(?) : Hardpan, very hard, gray-green	15	53	Wb 1 th. 413226N0735945.1. Conn. State Highway Dept. Drilled 1957. Altitude 447.7 ft. Depth to water 3 ft est.			Gravel, fine to coarse, some coarse to fine sand, little silt, few cobbles, (hardpan), tan	2	23
T 5 th. 415310N0731010.1. Conn. State Highway Dept. Drilled 1955. Altitude 860 ft. Depth to water 3 ft est.			Sand, medium	2	2	Rock, hard, gray-white	8	31
Sand, medium to coarse, gravel, cobbles, and small boulders, brown	6.4	6.4	Sand, gravel, and cobble	4	6	Wb 8 th. 413147N0730225.1. Conn. State Highway Dept. Drilled 1949. Altitude 230 ft.		
Sand, medium, some silt, cobbles and small boulders, brown	3.6	10	Sand, medium	3	9	Water	1	1
Sand, medium, some silt, brown . . . . .	.8	10.8	Sand, gravel, cobble	12	21	Cobbles, gravel, and sand	6	7
Till(?) : Hardpan, brown and gray	4.4	15.2	Till: Sand, gravel, cobble, and silt	5	26	Sand, medium to coarse, brown	4	11
Sand, medium to coarse, gravel, cobbles, gray	4.5	19.7	Refusal		at 30	Sand and gravel, brown	8	19
Sand, medium, some silt, cobbles and small boulders, brown	6.8	26.5	Wb 2 th. 413224N0730033.1. Conn. State Highway Dept. Drilled 1956. Altitude 375.0 ft. Depth to water 5 ft est.			Silt, sand, and gravel	8	27
Sand, medium to coarse, some silt, cobbles, and small boulders, brown and tan	9.5	36	Sand, gravel, cobble, dark silt	5	5	Hardpan	7	34
T 6 th. 415210N0730937.1. U.S. Army, Corps of Engineers. Drilled 1956. Altitude 883 ft. Depth to water 5 ft.			Sand, medium to fine	5	10	Sand, coarse, brown	2	36
Sand, silty, gravelly, with organics	1	1	Sand, gravel, cobbles	4	14	Sand, fine to medium, brown	6	42
Till(?) : Sand, silty, silty gravelly sand, gravelly silty sand	17	18	Sand, fine to medium	7	21	Sand, coarse, brown	3	45
Till: Sand, gravelly, silty, silty sand, gravelly sand, silty gravelly sand	49	67	Sand and gravel	6	27	Till: Hardpan and cobbles	6	51
T 7 th. 415100N0730730.1. U.S. Army, Corps of Engineers. Drilled 1962. Altitude 855 ft.			Sand, gravel, cobble, and silt	13	40	Wb 9 th. 413306N0730203.1. Conn. State Highway Dept. Drilled 1947. Altitude 318.0 ft. Depth to water 20 ft est.		
Sand, fine, silty, with organics and occasional cobbles	4.3	4.3	Wb 3 th. 413223N0730037.1. Conn. State Highway Dept. Drilled 1957. Altitude 370.5 ft.			Fill: Sand, loam, cinders, refuse	10	10
Gravel, silty, sandy, with occasional cobbles . . . . .	.7	5	Water	7	7	Gravel, sand, silt	10	20
Till(?) : Sand, medium to fine, gravelly, silty, with occasional clay strata and weathered cobbles	4.2	9.2	Gravel, coarse, some coarse to medium sand, trace of silt, cobbles and large boulders, dark brown-black	1	8	Gravel, sand, cobbles	1	21
Rock, weathered and decomposed	12	21.2	Sand, coarse to fine, little medium gravel, trace of silt, brown	1.5	9.5	Sand, silt	17	38
Granite gneiss	15	36.2	Sand, fine to medium, trace of silt, brown	1.5	11	Gravel, cobbles	14	52
T 8 th. 414749N0730703.1. U.S. Army, Corps of Engineers. Drilled 1957. Altitude 530 ft. Depth to water 0 ft.			Sand, medium to coarse, some medium gravel, trace of silt, cobbles, brown	3	14	Cobbles	1	53
Fill: Gravelly sand, cinders	4	4	Gravel, medium, some red-brown coarse to medium sand, trace of silt, cobbles	6	20	Sand and silt	6	59
Sand, fine, silty	6	10	Sand, fine, trace of silt, cobbles, yellow-brown	3	23	Cobbles	1	60
Gravel, sandy	2	12	Gravel, medium to coarse, red-brown coarse to fine sand, trace of silt, cobbles	3	26	Till(?) : Sand and silt	7	67
Sand, silty, gravelly	3	15	Sand, coarse to medium, trace of fine to medium gravel, trace of silt, few small cobbles, red-brown	6	32	Bedrock(?)	2	69
T 9 th. 414704N0730659.1. U.S. Geol. Survey. Drilled 1966. Altitude 520 ft. Depth to water 1 ft.			Sand, fine, trace of silt, trace of medium to coarse sand, tan	4	36	Wb 10 th. 413306N0730208.1. Conn. State Highway Dept. Drilled 1948. Altitude 289.5 ft. Depth to water 5 ft est.		
Sand and gravel	20	20	Sand, fine, little fine to medium gravel, trace of medium to coarse sand, trace of silt, cobbles, brown	13	49	Fill: Concrete	1	1
Sand, very fine to fine, micaceous, dark brown	6	26	Gravel, medium to coarse, brown coarse to fine sand, trace of silt and cobbles	10	59	Fill: Cinder and brick	2	3
Refusal, probably bedrock		at 26	Till: Sand, fine to medium, little fine to medium gravel, little silt, cobbles (hardpan), tan	11	70	Gravel and silt	5	8
T 10 th. 414739N0730658.1. U.S. Geol. Survey. Drilled 1966. Altitude 535 ft. Depth to water 22 ft.			Rock, hard, gray	10	80	Gravel	8	16
Sand and gravel	7	7	Wb 4 th. 413225N0730107.1. Conn. State Highway Dept. Drilled 1957. Altitude 353 ft. Depth to water 11 ft.			Gravel and cobbles	3	19
Sand, very fine to fine, some medium, dark brown	9	16	Fill: Boulders, cobbles	5	5	Rock	7	26
Sand, medium to very coarse, and fine gravel, dark brown	7	23	Cobbles, gravel, and coarse sand	21	26			
Refusal, probably bedrock		at 23	Gravel, medium to coarse sand	9	35			
			Till: Cobbles, gravel, sand and silt	5	40			
			Rock, soft	4	44			
			Rock, sandy, gray	6	50			

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Waterbury--Cont.			Wb 12a th. 413325N0730322.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 273.5 ft. Depth to water 20 ft.			Wb 15 th. (Cont.)		
Wb 11 th. 413333N0730324.1. Conn. State Highway Dept. Drilled 1961. Altitude 270 ft. Depth to water 16 ft.			Sand, coarse to fine, and coarse to fine gravel, trace of silt, trace of mica, brown			Sand, fine to coarse, little medium to fine gravel, trace of silt, trace of mica, brown		
Asphalt	1	1	Sand, coarse to fine, trace of gravel, brown	17	17	Sand, coarse to fine, trace of silt, gray-brown	18	116
Gravel, medium to fine, and coarse to fine sand	4	5	Gravel, coarse to fine, trace of gravel, brown	15	32	Sand, coarse to fine, and medium to fine gravel, trace of silt, gray-brown	7	123
Gravel, coarse to fine, trace of asphalt	5	10	Gravel, coarse to fine, and coarse to fine sand, trace of silt, brown	10	42	Sand, fine to coarse, trace of medium to fine gravel, trace of silt, trace of mica, brown	5	128
Gravel, medium to fine, and coarse to fine sand, trace of silt, brown	15	25	Sand, coarse to fine, trace of coarse to fine gravel, trace of silt, brown	13	55	Sand, coarse to fine, and medium to fine gravel, trace of silt, trace of mica, gray	5	133
Sand, coarse to fine, trace of silt, trace of mica, trace of fine gravel, brown	5	30	Sand, coarse to fine, trace of silt, brown	5	60	Sand, coarse to fine, little coarse gravel, trace of medium to fine gravel, trace of silt, trace of mica, brown	4	137
Sand, coarse to fine, and coarse to fine gravel, trace of silt, trace of mica, gray-brown	4	34	Sand, coarse to fine, little fine gravel, brown	3	68	Wb 16 th. 413242N0730135.1. Conn. State Highway Dept. Drilled 1954. Altitude 370.1 ft. Depth to water 10 ft est.		
Cobbles and brown, coarse to fine sand. Silt and coarse to fine sand, brown	6	40	Sand, fine, trace of mica, trace of silt, brown	4	72	Clinders, loam, and boulders	6	6
Sand, coarse to fine, little medium to fine gravel, little silt, brown	5	50	Sand, coarse to fine, some medium to fine gravel, trace of mica, trace of silt, gray-brown	19	91	Sand, gravel, and silt	2	8
Silt, some coarse to fine sand, trace of fine gravel, brown	5	55	Boulder(?) Decomposed rock	2	93	Sand, fine, and silt	2	10
Sand, fine, and silt, trace of mica, brown	13	68	Sand, coarse to fine, some to little coarse to fine gravel, brown	11	104	Till: Sand, gravel, cobbles, and hardpan	6	16
Sand, coarse to fine, trace of silt, trace of mica, brown	6	74	Sand, coarse to fine, trace of mica, trace of silt, brown	14	118	Rock, hard, gray	11	27
Sand, fine, and silt, trace of mica, brown	10	84	Till(?) Cobbles	3	121	Wb 17 th. 413239N0735857.1. Conn. State Highway Dept. Drilled 1958. Altitude 452.6 ft.		
Sand, medium to fine, little silt, trace of mica, brown	6	90	Granite gneiss	5	126	Water . . . . .	.5	.5
Sand, coarse to fine, some fine gravel, trace of silt, trace of mica, brown	5	95	Wb 13 th. 413407N0730330.1. Conn. State Highway Dept. Drilled 1961. Altitude 265.0 ft. Depth to water 2 ft.			Decayed material--roots, wood, silt, trace of fine sand, organics, black. Sand, fine to coarse, trace of fine gravel, trace of silt, tan	3	3.5
Sand, fine, some silt, trace of mica, brown	5	100	Sand, fine, trace of silt, brown	5	5	Silt, fine sand, peat, organics, dark brown	7	11
Sand, medium to fine, and coarse to fine gravel (decomposed rock), trace of silt, trace of mica, brown	5	105	Gravel, coarse to fine, some coarse to fine sand, trace of silt, gray (cobble at 10 ft)	10	15	Sand, fine to coarse, little fine to medium gravel, little silt, brown	4	15
Sand, coarse to fine, trace of mica, brown	20	125	Sand, coarse to fine, trace of silt, trace of mica, brown	10	25	Sand, fine to medium, trace of coarse sand, trace of silt, brown	5	20
Gravel, medium to fine, little coarse to fine sand, gray	5	130	Sand, fine, trace of silt, trace of mica, brown	20	45	Till: Sand, coarse to fine, some fine to coarse gravel, little silt, cobbles, brown	6	26
Sand, medium to fine, trace of silt, trace of mica, trace of fine gravel, brown	10	140	Sand, coarse to fine, trace of medium to fine gravel, trace of silt, trace of mica, brown	5	50	Rock, hard, gray	8	34
Granite gneiss	5	145	Sand, fine, trace of silt, trace of mica, brown	5	55	Wb 18 th. 413217N0730241.1. Conn. State Highway Dept. Drilled 1962. Altitude 339.2 ft. Depth to water 11 ft.		
Wb 11a th. 413332N0730326.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 272.7 ft. Depth to water 14 ft.			Sand, coarse to fine, little medium to fine gravel, trace of silt, trace of mica, brown	5	60	Fill: Sand, gravel, some silt, trace of cobbles, tan	6	6
Concrete sidewalk . . . . .	.5	.5	Sand, fine, trace of silt, trace of mica, brown	10	70	Gravel and sand, large and small cobbles, trace of silt, tan	4	10
Gravel, coarse to fine, trace of silt, brown	4.5	5	Sand, coarse to fine, little coarse to fine gravel, trace of silt, brown	1	71	Till: Sand, fine to coarse, little gravel, little silt, trace of cobbles, tan	4	14
Sand, coarse to fine, and coarse to fine gravel, trace of silt, brown	4	9	Gneiss	5	76	Boulder	1	15
Gravel, medium to fine, some coarse to fine sand, trace of silt, brown	5	14	Wb 14 th. 413403N0730329.1. Conn. State Highway Dept. Drilled 1961. Altitude 268.6 ft. Depth to water 4 ft.			Sand, fine to coarse, little gravel, little silt, trace of cobbles, tan	2	17
Sand, coarse to fine, little to trace of medium to fine gravel, trace of silt, trace of mica, brown	10	24	Sand, fine, little to trace of silt, trace of mica, brown	7	7	Sand, little gravel, trace of silt, tan	3.5	20.5
Sand, medium to fine, trace of silt, trace of mica, brown	28	52	Sand, coarse to fine, little medium to fine gravel, trace of silt, trace of mica, brown	11	18	Boulder	5.5	26
Sand, coarse to fine, and coarse to fine gravel, trace of mica, trace of silt, brown	23	75	Sand, coarse to fine, little silt, gray	7	25	Sand, fine, and silt, tan	1.5	27.5
Granite gneiss	5	80	Sand, fine, some mica, little silt, gray Sand, coarse to fine, some medium to fine gravel, trace of silt, trace of mica, gray	15	40	Sand, fine to coarse, little gravel, little silt, tan	2	29.5
Wb 12 th. 413324N0730321.1. Conn. State Highway Dept. Drilled 1961. Altitude 268.8 ft. Depth to water 15 ft.			Sand, coarse to fine, some mica, trace of silt, gray	5	45	Rock, soft	2.5	32
Asphalt . . . . .	.5	.5	Sand, fine, some to little mica, trace of silt, gray	3	48	Rock, hard, gray	7.5	39.5
Sand, coarse to fine, and coarse to fine gravel, brown	3.5	4	Sand, coarse to fine, little mica, trace of silt, gray-brown	42	90	Wb 19 th. 413232N0730241.1. Conn. State Highway Dept. Drilled 1962. Altitude 287.0 ft.		
Sand, coarse to fine, some silt, trace of fine gravel, brown	6	10	Sand, coarse to fine, little mica, trace of silt, gray-brown	10	100	Fill	12	12
Gravel, coarse to fine, and coarse to fine sand, trace of silt (decomposed rock), brown	9	19	Sand, fine, trace of silt, trace of mica, gray	5	105	Silt, black-brown	2	14
Sand, coarse to fine, little gravel, trace of silt, brown	4	23	Sand, coarse to fine, trace of fine gravel, trace of silt, trace of mica, brown	10	115	Silt, little fine sand, trace of mica, tan	3	17
Gravel, coarse to fine, some coarse to fine sand, trace of silt, brown	32	55	Sand, coarse to fine, trace of fine gravel, trace of silt, trace of mica, brown	5	120	Sand, fine, trace of fine gravel, little silt, trace of mica, tan-gray	6	23
Gravel, coarse to fine, and coarse to fine sand, gray	10	65	Sand, fine, trace of silt, trace of mica, brown	2	122	Sand, coarse, little fine gravel, trace of silt, gray	6	29
Sand, coarse to fine, some medium to fine gravel, trace of silt, brown	6	71	Sand, coarse to fine, trace of silt, trace of mica, brown	9	131	Gravel, medium, sand, trace of coarse gravel, little silt, tan	5	34
Sand, coarse to fine, trace of silt, trace of mica, with a little fine gravel at 105 ft, brown	50	121	Gneiss with quartz	2	131	Gravel, fine to medium, sand, trace of mica, trace of silt, tan	3	37
Till(?) Silt, some coarse to fine sand, little coarse to fine gravel, brown	4	125	Wb 15 th. 413412N0730325.1. Conn. State Highway Dept. Drilled 1961. Altitude 270.9 ft. Depth to water 7 ft.			Gravel, medium to fine, sand, trace of silt, tan	7	44
Gneiss	5	130	Fill	2	2	Sand, fine, little silt, trace of mica, tan	6.5	50.5
			Sand, fine, some silt, trace of coarse sand, dark brown	7	9			
			Sand, coarse to fine, trace of fine gravel, trace of silt, brown	5	14			
			Sand, fine, some silt, micaceous, brown, becomes gray at 35 ft	11	55			
			Silt, some micaceous fine sand, gray	2	57			
			Sand, coarse to fine, trace of medium to fine gravel, trace of silt, gray	8	65			
			Same, with some medium to fine gravel, trace of mica at 65 ft.	3	68			
			Sand, coarse to fine, and medium to fine gravel, trace of silt, trace of mica, gray, becomes gray-brown at 75 ft	15	83			

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

Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Town of Waterbury--Cont.		Wb 27 th. 413401N0730330.1. Conn. State Highway		Wb 32 th. Cont.	
Wb 22 th. 413128N0730240.1. Conn. State Highway		Dept. Drilled 1961. Altitude 261.7 ft.		Sand, coarse to fine, little coarse to	
Dept. Drilled 1962. Altitude 251.0 ft.		Depth to water 0 ft.		fine gravel, trace of silt, brown . . .	
Depth to water 6 ft.		Sand, coarse to fine, some medium to fine		Gravel, coarse to fine, little coarse	
Fill: Large and small cobbles, boulders,		gravel, trace of mica, brown . . .		to fine sand, trace of silt, brown . .	
gravel, sand, trap rock		Sand, coarse to fine, some medium to fine		Granite gneiss	
Fill(?) Gravel, medium sand, trace of		gravel, trace of mica, brown . . .		Wb 33 th. 413305N0730304.1. Conn. State Highway	
trap rock, trace of clinders, trace of		Sand, fine, some silt, trace of mica,		Dept. Drilled 1961. Altitude 263.2 ft.	
silt		brown		Depth to water 14 ft.	
Sand, coarse to fine, little silt, trace of		Sand, coarse to fine, trace of mica, with		Fill	
medium gravel, trace of mica, tan . .		cobbles, brown		Sand, coarse to fine, coarse to fine	
Cobbles, large and small, gravel to sand,		Silt, trace of mica, brown		gravel, little silt, brown	
trace of silt		Sand, coarse to fine, trace of silt,		Gravel, coarse to fine, some to little	
Gravel, medium, to sand, little silt,		with cobbles, brown		coarse to fine sand, trace of silt,	
tan-brown		Gneiss		brown-gray	
Gravel, coarse, sand, trace of cobbles,		Wb 28 th. 413404N0730329.1. Conn. State Highway		Sand, coarse to fine, trace of silt,	
trace of silt, tan-brown		Dept. Drilled 1961. Altitude 262.6 ft.		brown	
Sand, coarse to fine, trace of silt,		Depth to water 0 ft.		Sand, coarse to fine, trace of fine gravel,	
trace of mica, tan-brown		Gravel, coarse to fine, some coarse to		trace of silt, brown-gray	
Gravel, medium to coarse, to sand, trace of		fine sand, brown		Sand, fine, little silt, brown	
silt, tan-brown		Sand, fine, little to trace of silt,		Granite gneiss	
medium gravel, trace of mica, tan . .		little mica, brown		Wb 34 th. 413305N0730306.1. Conn. State Highway	
Gravel, coarse, to sand, little cobbles,		Sand, coarse to fine, trace of silt,		Dept. Drilled 1961. Altitude 250.2 ft.	
trace of silt, tan-gray		trace of mica, brown		Depth to water 0 ft.	
Boulder		Sand, fine, some silt, little mica, brown		Gravel, coarse to fine, trace of coarse to	
Gravel, medium, sand, trace of silt,		Sand, coarse to fine, trace of silt, trace		fine sand, trace of silt, brown . . .	
trace of mica, tan		of mica, brown		Sand, coarse to fine, trace of fine gravel,	
Gravel, medium, sand, trace of cobbles,		Gneiss, trace of quartz		trace of silt, gray	
trace of silt, trace of mica, tan . .		Wb 29 th. 413305N0730253.1. Conn. State Highway		Gravel, medium to fine, and coarse to fine	
Boulder		Dept. Drilled 1961. Altitude 262.7 ft.		sand, gray	
Wb 23 th. 413108N0730256.1. Conn. State Highway		Depth to water 13 ft.		Sand, coarse to fine, little silt, trace of	
Dept. Drilled 1962. Altitude 248.7 ft.		Fill		fine gravel, brown	
Depth to water 5 ft.		Gravel, coarse to fine, and coarse to fine		Sand, coarse to fine, trace of silt, brown	
Humus, black, numerous boulders, large		sand, trace of silt, brown		Gravel, coarse to fine, some coarse to fine	
boulders on surface		Gravel, coarse to fine, some coarse to fine		sand, trace of silt, brown	
Sand, fine, silt, little loamy, little		sand, trace of silt, brown		Sand, coarse to fine, some coarse to fine	
cobbles, some small boulders, red-tan		Sand, coarse to fine, some coarse to fine		Gravel, coarse to fine, trace of silt, brown	
Till: Sand, fine, little silt, trace of		Gravel, coarse to fine, and coarse to fine		Gravel, trace of silt, brown	
coarse sand, trace of medium gravel,		sand, trace of silt, brown		Till(?) Boulders, cobbles, gravel, sand	
some cobbles and small boulders . .		Gravel, coarse to fine, and coarse to fine		Granite gneiss	
gray-tan		Sand, coarse to fine, and coarse to fine		Wb 35 th. 413305N0730308.1. Conn. State Highway	
Till: Sand, fine, trace of silt, trace of		Gravel, coarse to fine, and coarse to fine		Dept. Drilled 1961. Altitude 284.7 ft.	
coarse sand, trace of medium gravel,		Gravel, little silt, brown		Depth to water 36 ft.	
cobbles, and small boulders, light tan		Gravel, medium to fine, some coarse to		Fill	
Granite, gray		fine sand, trace of silt, brown . . .		Till(?) Boulders, cobbles, gravel, sand	
Wb 24 th. 413109N0730255.1. Conn. State Highway		Boulders		Till(?) Gravel, coarse to fine, little	
Dept. Drilled 1962. Altitude 222.0 ft.		Gravel, coarse to fine, and coarse to fine		coarse to fine sand, trace of silt,	
Depth to water 1 ft.		sand, little silt, brown		brown	
Sand, fine and coarse, silt, cobbles,		Gneiss		Granite gneiss	
mixed with river muck, large and small		Wb 30 th. 413305N0730255.1. Conn. State Highway		Wb 36 th. 413305N0730311.1. Conn. State Highway	
boulders, brown		Dept. Drilled 1961. Altitude 274.7 ft.		Dept. Drilled 1961. Altitude 330.5 ft.	
Sand, fine and coarse, gravel, cobbles,		Depth to water 21 ft.		Depth to water 37 ft.	
some silt, and small boulders, brown .		Sand, coarse to fine, and medium to fine		Sand, coarse to fine, trace of fine gravel,	
Till: Sand, fine, some coarse, very		gravel, little silt, gray-brown . . .		trace of silt, brown	
thick with cobbles and silt, some small		Sand, coarse to fine, and coarse to fine		Till: Boulders, cobbles, gravel, sand .	
boulders, brown and tan		gravel, trace of silt, brown		Gneiss and gneiss with quartz	
Rock		Boulder		Wb 37 th. 413249N0730241.1. Conn. State Highway	
Wb 25 th. 413112N0730254.1. Conn. State Highway		Sand, coarse to fine, and medium to fine		Dept. Drilled 1961. Altitude 256.8 ft.	
Dept. Drilled 1962. Altitude 232.0 ft.		Gravel, trace of silt, brown		Depth to water 10 ft.	
Depth to water 13 ft.		Boulder		Sand, coarse to fine, trace of silt, trace	
Gravel, medium to coarse, sand, trace of		Sand, coarse to fine, and medium to fine		of mica, brown	
cobbles, trace of silt, tan		Gravel, trace of silt, brown		Silt, organic, black, some fine sand,	
Sand, coarse to fine, little fine to medium		sand, trace of silt, brown		trace of mica	
Gravel, trace of silt, tan		Boulders		Gravel, coarse to fine, some coarse to	
Gravel, coarse, to sand, large and small		Gneiss		fine sand, trace of silt, trace of mica,	
cobbles, trace of silt, gray		Wb 31 th. 413305N0730256.1. Conn. State Highway		brown	
Sand, fine, little silt, trace of coarse		Dept. Drilled 1961. Altitude 273.3 ft.		Sand, coarse to fine, trace of silt, trace	
sand, trace of mica, tan		Depth to water 21 ft.		of mica, brown	
Gravel, coarse, to sand, large and small		Fill		Sand, coarse to fine, trace of fine gravel,	
cobbles, trace of silt, tan		Sand, coarse to fine, some coarse to fine		trace of silt, trace of mica, brown . .	
Gravel, medium to coarse, to sand, trace of		gravel, trace of silt, brown		Gravel, coarse to fine, some to little	
silt, tan		Sand, fine, some silt, brown		coarse to fine sand, trace of silt,	
Gravel, coarse, trace of cobbles, trace of		Gravel, trace of silt, brown		trace of mica, brown	
silt, tan-gray		Boulders		Sand, coarse to fine, little coarse to	
Boulder		Sand, coarse to fine, some coarse to fine		fine gravel, trace of silt, trace of	
Gravel, medium, sand, trace of cobbles,		Gravel, trace of silt, brown		mica, brown	
trace of silt, tan-gray		Boulders		Sand, coarse to fine, trace of silt,	
Till: Silt, trace of clay, trace of fine		Sand, coarse to fine, and coarse to fine		trace of mica, brown	
gravel, trace of fine sand, tan . . .		Gravel, trace of silt, brown		Sand, fine, trace of silt, trace of mica,	
Till: Sand, fine to coarse, some silt,		Sand, coarse to fine, little silt, trace		brown	
some fine to medium gravel, tan . . .		of medium to fine gravel, brown . . .		Gravel, coarse to fine, some coarse to fine	
Rock, hard		Boulder		sand, trace of silt, trace of mica,	
Wb 26 th. 413113N0730253.1. Conn. State Highway		Sand, medium to fine, trace of silt,		brown	
Dept. Drilled 1962. Altitude 236.65 ft.		brown		Sand, coarse to fine, trace of fine	
Depth to water 9 ft.		Gneiss		gravel, trace of silt, trace of mica,	
Fill: Dark gray mixture of debris, fine		Wb 32 th. 413305N0730259.1. Conn. State Highway		brown	
sand, trace of medium gravel, trace of		Dept. Drilled 1961. Altitude 276.7 ft.		Sand, fine, trace of silt, trace of mica,	
cobbles (dump area)		Depth to water 24 ft.		trace of rock fragments, brown . . .	
Fill(?) Sand, coarse, little fine sand,		Fill		Granite gneiss	
little medium gravel, some cobbles,		Sand, coarse to fine, little coarse to			
trace of silt, dark gray		fine gravel, trace of silt, brown . . .			
Gravel, cobbles, coarse sand, some fine		Gravel, coarse to fine, coarse to fine			
sand, trace of silt, gray		sand, trace of silt, gray-brown . . .			
Gravel, cobbles, coarse sand, some fine		Sand, coarse to fine, little silt, brown .			
sand, trace of silt, light brown . . .		Sand, fine, some silt, brown			
Sand, fine, little silt, trace of coarse		Sand, coarse to fine, some medium to fine			
sand, little cobbles, gray		gravel, trace of silt, brown			
Till(?) Gravel, some coarse sand, little		Sand, coarse to fine, little silt, brown .			
fine sand, little silt, some cobbles,		Silt, little coarse to fine sand, little			
trace of small boulders, gray-tan . .		coarse to fine gravel, brown			
Till(?) Sand, fine, some silt, trace of		Sand, coarse to fine, coarse to fine			
cobbles, tan		gravel, some silt, brown			

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Waterbury--Cont.			Wb 42 th. 41325N0730250.1. Conn. State Highway Dept. Drilled 1961. Altitude 260.1 ft. Depth to water 11 ft.			Wb 47 th. 413309N0730313.1. Conn. State Highway Dept. Drilled 1961. Altitude 284.5 ft.		
Wb 38 th. 41325N0730243.1. Conn. State Highway Dept. Drilled 1961. Altitude 260.9 ft. Depth to water 14 ft.			Sand, coarse to fine, trace of coarse to fine gravel, trace of silt, trace of mica, brown	19	19	Sand, coarse to fine, trace of coarse to fine gravel, trace of silt, brown	13	13
Concrete	1	1	Gravel, coarse to fine, some coarse to fine sand, trace of silt, trace of mica, brown	6	25	Sand, medium to fine, trace of silt, trace of mica (rock fragment at 21.5 ft), gray	9	22
Fill	10	11	Sand, coarse to fine, some to trace of medium to fine gravel, trace of silt, trace of mica, brown	20	45	Till: Boulders, cobbles, gravel, sand	9.5	31.5
Sand, fine, some silt, trace of mica, brown	2	13	Sand, coarse to fine, trace of silt, trace of mica, brown	4	49	Gneiss	5	36.5
Sand, coarse to fine, some medium to fine gravel, trace of silt, brown	7	20	Sand, fine, little silt, trace of fine gravel, trace of mica, brown	16	65	Wb 48 th. 413425N0730343.1. Anchor Fasteners Co. Drilled 1963. Altitude 275 ft. Depth to water 5 ft est. Drilled by S. B. Church Co.		
Sand, coarse to fine, trace of silt, trace of mica, brown	12	32	Sand, coarse to fine, trace of silt, trace of mica, brown	20	85	Cobble hardpan	15	15
Sand, coarse to fine, some to trace of coarse to fine gravel, trace of silt, trace of mica, brown	25	63	Gneiss	10	95	Clay, silt, and fine sand	10	25
Sand, fine, trace of silt, trace of mica, brown	10	73				Till: Hardpan	35	60
Gneiss	5	78				Granite	3	63
Wb 39 th. 41325N0730245.1. Conn. State Highway Dept. Drilled 1961. Altitude 258.0 ft. Depth to water 10 ft.			Wb 43 th. 413259N0730252.1. Conn. State Highway Dept. Drilled 1961. Altitude 262.6 ft. Depth to water 6 ft.			Wb 49 th. 41321N0730440.1. Conn. Water Co., Naugatuck Div. Altitude 325 ft. Drilled by S. B. Church Co.		
Fill	4	4	Sand, coarse to fine, little to trace of coarse to fine gravel, trace of silt, trace of mica, brown	14	14	Topsoil	2	2
Sand, coarse to fine, trace of medium to fine gravel, brown	6	10	Sand, coarse to fine, and coarse to fine gravel, trace of silt, trace of mica, brown	10	24	Till: Cobble hardpan	9	11
Gravel, coarse to fine, some to little coarse to fine sand, trace of mica, trace of silt, brown	32	42	Sand, fine, trace of silt, trace of mica, brown	6	30	Till: Gray hardpan	21	32
Sand, coarse to fine, little to trace of coarse to fine gravel, trace of mica, brown	13	55	Sand, coarse to fine, trace of coarse to fine gravel, trace of silt, trace of mica, brown	10	40	Ledge	3	35
Sand, coarse to fine, trace of fine gravel, trace of silt, trace of mica, brown	12	67	Sand, coarse to fine, and coarse to fine gravel, trace of mica, brown	5	45	Wb 50 th. 413607N0730334.1. U.S. Army, Corps of Engineers. Drilled 1957. Altitude 300 ft. Depth to water 5 ft est.		
Gravel, coarse to fine, little coarse to fine sand, trace of silt, trace of mica, brown	7	74	Gravel, coarse to fine, some to little coarse to fine sand, trace of silt, trace of mica, brown	10	55	Trap rock ballast	1	1
Sand, coarse to fine, trace of silt, trace of mica, gray-brown	2	76	Sand, coarse to fine, trace of silt, trace of mica, brown	5	60	Gravel, sandy, brown	4	5
Gneiss	5	81	Gravel, coarse to fine, trace of fine gravel, trace of silt, trace of mica, brown	5	75	No sample . . . . .	.5	5.5
Wb 40 th. 41325N0730246.1. Conn. State Highway Dept. Drilled 1961. Altitude 258.6 ft. Depth to water 10 ft.			Gravel, coarse to fine, some coarse to fine sand, trace of silt, trace of mica, brown	2	77	Gravel, sandy, with some silt, brown	4.5	10
Sand, coarse to fine, trace of coarse to fine gravel, trace of mica, brown	7	7	Gneiss	5	82	Sand, silty, micaceous, brown	5	15
Gravel, coarse to fine, some to little coarse to fine sand, trace of silt, trace of mica, brown	15	22				Sand, medium, some silt, yellow-brown	1.1	16.1
Sand, coarse to fine, trace of medium to fine gravel, trace of silt, trace of mica, brown	16	38	Wb 44 th. 413259N0730255.1. Conn. State Highway Dept. Drilled 1961. Altitude 263.0 ft. Depth to water 0 ft.			Gravel, fine to medium, sandy, tan-brown . . . . .	.9	17
Sand, coarse to fine, little to trace of medium to fine gravel, trace of silt, trace of mica, brown	11	49	Gravel, coarse to fine, some coarse to fine sand, trace of silt, trace of mica, brown	5	5	Sand, fine, silty, tan	3	20
Gravel, coarse to fine, some to little coarse to fine sand, trace of silt, trace of mica, gray-brown	9	58	Sand, coarse to fine, trace of medium to fine gravel, trace of silt, trace of mica, brown	24	48	Gravel, sandy, tan	5	25
Sand, coarse to fine, some medium to fine gravel, trace of silt, trace of mica, gray-brown	5	63	Sand, coarse to fine, little medium to fine gravel, trace of silt, trace of mica, brown	4	52	Gravel, medium to coarse, sandy, tan	5	30
Sand, coarse to fine, trace of coarse to fine gravel, trace of silt, trace of mica, gray-brown	12	75	Gneiss with granite	5	57	Wb 51 th. 413424N0730340.1. Anchor Fasteners Co. Drilled 1963. Altitude 275 ft. Drilled by S. B. Church Co.		
Till(?) : Cobbles, gravel, sand	11	86				Drilled 1963. Altitude 275 ft. Drilled by S. B. Church Co.		
Gneiss	5	91				Till: Cobble hardpan	15	15
Wb 41 th. 413256N0730248.1. Conn. State Highway Dept. Drilled 1961. Altitude 259.0 ft. Depth to water 12 ft.			Wb 45 th. 413301N0730258.1. Conn. State Highway Dept. Drilled 1961. Altitude 248.3 ft. Depth to water 0 ft.			Clay, silt, and fine sand	39	54
Fill	9	9	Gravel, coarse to fine, some to little coarse to fine sand, trace of silt, brown	5	5	Hardpan	11	65
Sand, coarse to fine, some coarse to fine gravel, trace of silt, trace of mica, brown	6	15	Sand, coarse to fine, some coarse to fine gravel, trace of silt, brown	13	18	Granite	3	68
Gravel, coarse to fine, some coarse to fine sand, trace of silt, trace of mica, brown	8	23	Sand, medium to fine, trace of silt, trace of mica, brown	8	26	Wb 52 th. 413244N0730238.1. Conn. State Highway Dept. Drilled 1956. Altitude 248.2 ft. Depth to water 0 ft est.		
Sand, medium to fine, trace of silt, trace of mica, brown	15	38	Sand, coarse to fine, little coarse to fine gravel, trace of silt, trace of mica, brown	2	28	Sand, coarse, and coarse to fine gravel	18	18
Sand, coarse to fine, little to trace of coarse to fine gravel, trace of silt, trace of mica, brown	15	53	Gneiss	5	33	Silt, trace of fine sand, black	4	22
Sand, fine, trace of silt, trace of mica, brown	6	59				Sand, medium to fine, some coarse gravel, brown	4	26
Sand, coarse to fine, trace of coarse to fine gravel, trace of silt, trace of mica, brown	16	75	Wb 46 th. 413312N0730313.1. Conn. State Highway Dept. Drilled 1961. Altitude 263.9 ft. Depth to water 12 ft.			Sand, coarse, and coarse to fine gravel	8	34
Gneiss	5	80	Sand, coarse to fine, coarse to fine gravel, trace to little silt, brown	15	15	Sand, coarse to fine, some medium gravel	4	38
			Sand, fine, brown	3	18	Sand, medium to fine	3	41
			Till(?) : Gravel, coarse to fine, coarse to fine sand, some silt, brown	9	27	Ledge	9.5	50.5
			Gneiss	9	36	Wb 53 th. 413516N0730304.1. Conn. State Highway Dept. Drilled 1956. Altitude 275.9 ft.		
						Water . . . . .	.5	.5
						Sand, coarse, gray	4.5	5
						Sand, coarse, very compact, gray	12	17
						Sand, fine to medium, medium compact, wet, gray	23.5	40.5
						Wb 56 th. 413224N0730104.2. Conn. State Highway Dept. Drilled 1957. Altitude 347.9 ft. Depth to water 10 ft est.		
						Topsoil	1	1
						Sand, silty	2	3
						Gravel, cobbles, sand	9	12
						Sand, medium, and gravel	6	18
						Sand, coarse, and gravel	10	28
						Boulder	3	31
						Rock, gray	6	37
						Wb 57 th. 413219N0730027.1. Conn. State Highway Dept. Drilled 1957. Altitude 382.0 ft. Depth to water 5 ft est.		
						Fill: Cobbles, gravel, sand	5	5
						Cobbles, coarse to fine gravel, sand	8	13
						Gravel, coarse to fine, and coarse to fine sand	7	20

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Waterbury--Cont.								
Wb 58 th. 413238N0730225.1. Conn. State Highway			Wb 65 th. 413352N0730330.1. Conn. State Highway			Wb 73 th. 413253N0730127.1. Scovill Manufacturing		
Dept. Drilled 1956. Altitude 246.8 ft.			Dept. Altitude 271.7 ft. Depth to water			Co. Drilled 1966. Altitude 320 ft. Depth to		
Depth to water 0 ft. est.			11.8 ft.			water 8.2 ft. Drilled by Foundation Boring		
						Services, Inc.		
Sand, coarse, coarse to fine gravel . . .	10	10	Fill	14.5	14.5	Fill	4.5	4.5
Sand, coarse to fine, and gravel	35	45	Sand, coarse to fine, coarse to fine	7.5	22	Sand, fine, loose, trace of gravel, tan.	3.5	8
Sand, coarse to fine, and gravel, with			gravel, trace of silt, brown	2	24	Sand, fine, loose, wet, brown; layers of		
silt	10	55	Sand, fine, brown	7.5	31.5	black peat and mud mixed with sand		
Sand, fine, with silt, brown	28.5	83.5	Sand, fine, little silt, light brown . .			and gravel	4.5	12
Wb 59 th. 413305N0730259.1. Conn. State Highway			Wb 66 th. 413407N0730326.1. Conn. State Highway			Till: Boulder, gray hard granite		
Dept. Altitude 278.4 ft. Depth to water			Dept. Altitude 268 ft. Depth to water			silt, little gravel, gray		
27 ft.			4.8 ft.			Boulder, gray hard granite		
Topsoil	1.5	1.5	Sand, fine, little silt, trace of fine	16	16	Till: Hardpan, sandy, gray, trace of silt;		
Fill	22.5	24	gravel, brown	3	19	some gravel impregnated with cobbles		
Sand, fine, dark brown	1.7	25.7	Sand, coarse to fine, trace of fine	6	25	and boulders (glacial till)		
Sand, coarse to fine, little fine gravel,			gravel, and silt, brown	23	48	Wb 74 th. 413307N0730238.1. Conn. State Highway		
trace of silt, brown	3.3	29	Sand, very fine, brown	7	55	Dept. Drilled 1961. Altitude 263.4 ft.		
Sand, coarse to fine, coarse to fine			Sand, fine, brown-gray	10	65	Depth to water 8 ft.		
gravel, trace of silt, brown	6	35	Sand, fine, gray	15	80	Blacktop and fill	10	10
Sand, coarse to fine, and coarse to fine			Sand, fine to very fine, brown and gray	33	119	Sand, coarse to fine, and medium to fine		
gravel with layers of fine sand, little			Sand, fine, trace of fine gravel, and silt	6	125	gravel, little silt, gray-brown	8	18
silt, brown	5	40	Sand, coarse to fine, some coarse to fine	4.3	129.3	Gravel, coarse to fine, and coarse to		
Sand, coarse to fine, and coarse to fine			gravel	at 129.3		fine sand, trace of silt, gray	6	24
gravel, trace of silt, brown	45	85	Rock			Sand, coarse to fine, trace of silt,		
Sand, coarse to fine, little silt, trace						gray-brown	6	30
of gravel, brown	5	90	Wb 68 th. 413413N0730333.1. Conn. State Highway			Silt, and fine sand, gray	3	33
Gravel, coarse to fine, and coarse to			Dept. Altitude 269.5 ft. Depth to water			Sand, coarse to fine, some coarse to fine		
fine sand, trace of silt, brown	8	98	3.3 ft.			gravel, trace of silt, brown	16	49
Gneiss, black	5	103	Sand, fine, and silt	2.5	2.5	Sand, coarse to fine, trace of medium to		
Wb 60 th. 413244N0730242.1. Conn. State Highway			Sand, coarse to fine, and medium to fine	5.5	8	fine gravel, trace of silt, brown	11	60
Dept. Altitude 264.8 ft. Depth to water			gravel, brown	26	34	Gravel, coarse to fine, and coarse to fine		
16.6 ft.			Sand, fine, brown	11	45	sand, trace of silt, brown	5	65
Fill	3	3	Sand, medium to fine, trace of clayey silt,	16.5	61.5	Sand, coarse to fine, and medium to fine		
Sand, fine to medium, brown	4	7	brown			gravel, trace of silt, brown	10	75
Gravel, coarse to fine, brown	41	48	Wb 69 th. 413417N0730342.1. Conn. State Highway			Sand, coarse to fine, trace of silt,		
Sand, coarse to fine, brown	6	54	Dept. Altitude 273.6 ft. Depth to water			brown	28	103
Sand, fine to medium, brown	12	66	3.2 ft.			Sand, fine, and silt, brown	5	108
Sand, coarse to fine, some gravel			Topsoil	1	1	Gravel, coarse to fine, some coarse to		
boulders, cobbles, and gravel 75-78 ft,			Rock, decomposed, and brown coarse sand	10	11	fine sand, trace of silt, brown	4	112
brown	12	78	Sand, fine, some silt, brown	8	19	Gneiss	5	117
Sand, coarse to fine, some coarse to fine			Sand, coarse to medium, brown	11	30	Wb 75 th. 413306N0730230.1. Conn. State Highway		
gravel, brown-gray	4	82	Sand, medium to fine, brown	4	34	Dept. Drilled 1961. Altitude 267.9 ft.		
Rock		at 82	Rock, decomposed	1.2	35.2	Depth to water 14 ft.		
Wb 62 th. 413306N0730234.1. Conn. State Highway			Rock		at 35.2	Fill: Clinders, sand, and gravel	8	8
Dept. Drilled 1961. Altitude 267.8 ft. Depth			Wb 70 th. 413557N0730333.1. Chase Brass and Copper			Gravel, coarse to fine, and coarse to		
to water 14 ft.			Co. Drilled 1962. Altitude 295 ft. Depth to			fine sand, brown	9.5	17.5
Pavement and fill	1	1	water 9.0 ft. Drilled by Haller Testing Lab.			Sand, coarse to fine, little coarse to		
Gravel, coarse to fine, and coarse to fine			Concrete	5	5	fine gravel, brown	4.5	22
sand, trace of silt, brown	4	5	Fill: Boulders, brick	1	6	Gravel, coarse to fine, some coarse to		
Sand, coarse to fine, some coarse to fine			Sand, coarse to fine, gray and some brown,			fine sand, trace of silt, brown	6	28
gravel, trace of silt, brown	5	10	little fine to coarse gravel, trace of			Silt, little coarse to fine sand, brown		
Sand, trace of silt, brown	5	15	silt	5	11	Bedrock	3	31
Sand, fine, some silt, brown, interlayered			Sand, coarse to fine, gray, and coarse			Wb 76 th. 413305N0730232.1. Conn. State Highway		
with 2 in layers of clayey silt	4	19	to fine gravel, boulder fragments . .	3	14	Dept. Drilled 1961. Altitude 263.6 ft.		
Sand, fine, little silt, trace of mica,			Sand, coarse to fine, gray and brown,			Depth to water 10 ft.		
brown	10	29	little fine to coarse gravel, trace of			Fill	7	7
Silt, some medium to fine sand, brown .	6	35	silt, boulders	2	16	Sand, coarse to fine, little fine gravel,		
Sand, medium to fine, some silt, with silt			Sand, fine to coarse, brown, trace of silt,			trace of silt, brown	7	14
layers and occasional clay lenses, brown	5	40	trace of coarse to fine gravel, trace of			Sand, coarse to fine, some to little		
Sand, coarse to fine, some coarse to fine			mica	2	18	medium to fine gravel, trace of silt,		
gravel, trace of silt, brown	5	45	Sand, fine to coarse, brown, trace of silt,			gray-brown	20	34
Sand, coarse to fine, and coarse to fine			micaceous	2	20	Gravel, coarse to fine, and coarse to		
gravel, trace of silt, brown	2	47	Sand, coarse to fine, brown, little fine to			fine sand, trace of silt, gray	6	40
Bedrock	8	55	medium gravel	5	25	Bedrock	5	45
Wb 63 th. 413305N0730218.1. Conn. State Highway			Sand, coarse to fine, brown, some fine to			Wb 77 th. 413305N0730251.1. Conn. State Highway		
Dept. Altitude 305.3 ft. Depth to water			coarse gravel, trace of mica	5	30	Dept. Drilled 1961(?). Altitude 265.6 ft.		
23.7 ft.			Sand, fine to coarse, gray and brown, trace			Depth to water 13 ft.		
Fill, brown	3	3	of silt, trace of coarse to fine gravel,			Fill: Black clinders, gravel, and sand	.5	.5
Boulders, small, cobbles, gravel, and sand;			trace of mica, boulder fragments . .	4	34	Sand, coarse to fine, some coarse to fine		
5 to 10 ft coarse to fine gravel, some			Sand, coarse to fine, brown, little fine			gravel, trace of silt, brown	6.5	7
coarse to fine sand, trace of silt . . .	12.5	15.5	to coarse gravel, trace of silt, trace			Silt, and fine sand, brown	4	11
Sand, coarse to fine, trace of fine gravel,			of mica	9	45	Sand, coarse to fine, and silt, dark		
trace of silt, brown	6.5	22	Boulder fragments	1	46	brown	4	15
Sand, fine, some silt, brown	4.7	26.7	Granite and quartz boulders	5	51	Gravel, coarse to fine, and coarse to		
Boulder	4	30.7	Gneiss, medium hard, seamy	14	65	fine sand, trace of silt, light brown		
Gravel, coarse to fine, and coarse to fine			Wb 71 th. 413444N0730412.1. U.S. Geol. Survey,			Gravel, coarse to fine, some coarse to		
sand, brown	11	41.7	Drilled 1966. Altitude 295 ft. Depth to			fine sand, brown	4	29
Rock	5	46.7	water 5 ft. est.			Sand, coarse to fine, little silt, brown		
Wb 64 th. 413337N0730327.1. Conn. State Highway			Gravel, with cobbles	13	13	Silt, and fine sand, with silt layers		
Dept. Altitude 268.7 ft. Depth to water			Sand, very fine to medium, some silt,			and clay lenses, brown	6	41
12.7 ft.			moderate to dark yellowish-brown . .	9	22	Sand, fine, little silt, with occasional		
Fill	10	10	Till(?) Gravel, coarse, compact . . .	3	25	silt layers, brown	24	65
Sand, medium to fine, brown	1	11	Refusal, probably bedrock		at 25	Sand, fine, some silt, occasional silt		
Sand, coarse to fine, some coarse to fine			Wb 72 th. 413412N0725925.1. U.S. Geol. Survey,			Sand, fine, little silt, light brown . . .	5	70
gravel, trace of silt, brown	9	20	Drilled 1966. Altitude 455 ft. Depth to			Sand, fine, little silt, light brown . . .	4	74
Sand, medium to fine, brown	5	25	water 1 ft.			Sand, fine, little silt, with layers of		
Sand, coarse to fine, little coarse to			Fill, muck, and peat	7	7	medium to fine sand, trace of fine		
fine gravel, trace of silt, brown	14	39	Sand, very fine to fine, some silt, trace			gravel, gray-brown	6	80
Sand, coarse to fine, and coarse to fine			of clay, micaceous, olive-gray . . .	28	35	Sand, medium to fine, trace of silt,		
gravel, brown	5	44	Gravel, medium to coarse sand, matrix,			brown	4	84
Sand, medium to fine, brown	6	50	micaceous, iron-stained, moderate to			Sand, coarse to fine, and coarse to fine		
Sand, coarse to fine, brown	5	55	dark yellowish-brown	11	46	gravel, trace of silt, brown	11	95
Sand, coarse to fine, little coarse to			Sand	7	53	Sand, coarse to fine, little coarse to		
fine gravel, brown	6.5	61.5	Gravel	3	56	fine gravel, trace of silt, brown . . .	9	104
			Refusal, probably bedrock		at 56	Sand, fine, trace of silt, brown	2	106
						Gravel, coarse to fine, and coarse to		
						fine sand, trace of silt, trace of		
						mica, brown	8	114
						Till: Boulders, cobbles, gravel, sand	5	119
						Gneiss	5	124

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Waterbury--Cont.								
Wb 78 th. 413305N0730249.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 270.5 ft. Depth to water 16 ft.			Wb 82 th. 413306N0730233.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 275.9 ft. Depth to water 20 ft.			Wb 88 th. 413233N0730403.1. State of Conn., Kaynor Vocational Technical School. Drilled 1968. Altitude 300 ft. Depth to water 10 ft. est. Drilled by Soiltesting, Inc.		
Fill	15	15	Concrete and fill	8	8	Fill, sandy, brown	12	12
Sand, fine, little clayey silt, gray- brown	7	22	Sand, coarse to fine, little medium to fine gravel, trace of silt, brown . . .	10	18	Sand, gravel, cobbles, and boulders (extremely dense)	25.5	37.5
Cobbles, gravel, sand	3	25	Sand, coarse to fine, and coarse to fine gravel, trace of silt, brown	9	27	Mica schist, gray	15	52.5
Sand, coarse to fine, some coarse to fine gravel, trace of silt, gray . . .	3	28	Sand, coarse to fine, some silt, trace of fine gravel, brown	19	46	Town of Watertown		
Sand, coarse to fine, trace of medium to fine gravel, trace of silt, gray . . .	5	33	Sand, coarse, red-brown	4	50	Wa 1 th. 413637N0730657.1. Conn. State Highway Dept. Drilled 1956. Altitude 500 ft. Depth to water 3 ft. est.		
Sand, coarse to fine, little medium to fine gravel, trace of silt, gray . . .	7	40	Gravel, coarse to fine, little coarse to fine sand, trace of silt, trace of mica, gray-brown	3	53	Fill: Sand and boulders	9	9
Gravel, coarse to fine, little coarse to fine sand, trace of silt, trace of mica, gray-brown	4	44	Till(?) : Boulders, cobbles, gravel, sand Till(?) : Gravel, coarse to fine, some coarse to fine sand, trace of silt, gray Gneiss	7	60	Sand, gravel, cobbles	5	14
Sand, coarse to fine, trace of medium to fine gravel, trace of silt, trace of mica, brown	4	48	Wb 83 th. 413305N0730227.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 265.1 ft. Depth to water 11 ft.	5	67	Till: Gravel, sand, silt, cobbles . . .	4	18
Sand, coarse to fine, trace of silt, trace of mica, brown	13	61	Sand, gravel, and rubble, loose	1	1	Sand, silt, cobbles, mica, brown . . .	5	23
Sand, coarse to fine, some coarse to coarse to fine gravel, trace of silt, trace of mica, brown (decomposed rock)	39	100	Sand, coarse to fine, trace of silt, brown	4	5	Hardpan	4	27
Sand, coarse to fine, trace of silt, trace of mica, brown	2	102	Cobbles, brown coarse to fine gravel, little coarse to fine sand	6	11	Rock, gray	6	33
Boulder	5	107	Sand, medium to fine, trace of silt, brown	6	17			
Gravel, coarse to fine, some coarse to fine sand, trace of silt, brown . . .	3	110	Sand, coarse to fine, and coarse to fine gravel, trace of silt, brown	2	19			
Schist with quartz	5	115	Sand, coarse to fine, little medium to fine gravel, trace of silt, gray-brown Gravel, coarse to fine, and coarse to fine sand, little to trace of silt, gray- brown	2	21			
			Till(?) : Cobbles, brown coarse to fine sand, and coarse to fine gravel, trace of silt	7	28			
			Bedrock	4	32			
				5	37			
			Wb 84 th. 413307N0730244.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 262.9 ft. Depth to water 7 ft.			Wa 2 th. 413852N0730457.1. Conn. State Highway Dept. Drilled 1961. Altitude 333.0 ft. Depth to water 6 ft.		
Fill	20	20	Paving and fill	7	7	Gravel and sand, gray	4	4
Sand, coarse to fine, some coarse to fine gravel, trace of silt, trace of mica, brown	3	23	Silt, dark gray-black organic, trace of fine sand	10	17	Sand, fine to coarse, little medium gravel, trace of silt, tan	5	9
Gravel, coarse to fine, some coarse to fine sand, trace of silt, trace of mica, brown	5	28	Sand, coarse to fine, some coarse to fine gravel, trace of silt, brown	22	39	Sand, coarse, gray-tan	4	13
Sand, coarse to fine, some coarse to fine gravel, trace of silt, trace of mica, brown-gray (decomposed rock) . . .	9	37	Sand, coarse to fine, trace of fine gravel, trace of silt, brown	4	43	Gravel, medium, and sand, gray-tan . .	6	19
Sand, coarse to fine, trace of coarse to fine gravel, trace of silt, trace of mica, gray	7	44	Sand, coarse to fine, little coarse to fine gravel, trace of silt, brown . . .	7	50	Sand, fine to coarse, trace of fine gravel, trace of silt, tan	23	42
Sand, coarse to fine, trace of silt, trace of mica, gray	3	47	Gravel, medium to fine, and coarse to fine sand, trace of silt, brown	5	55	Sand, fine, trace of silt, trace of mica, tan	5	47
Sand, coarse to fine, little coarse to fine gravel, trace of silt, trace of mica, gray-brown	12	59	Sand, coarse to fine, little medium to fine gravel, trace of silt, brown	8	63	Sand, fine to coarse, little medium gravel, trace of silt, tan	5	52
Sand, coarse to fine, trace of fine gravel, trace of silt, brown	4	63	Sand, fine, trace of silt, brown	9	72	Rock, hard, white	10	62
Sand, coarse to fine, some coarse to coarse to fine gravel, trace of silt, trace of mica, red-brown	11	74	Gravel, coarse to fine, and sand, trace of silt, brown	6	78			
Sand, coarse to fine, trace of silt, trace of mica, brown	35	109	Sand, coarse to fine, some medium to fine gravel, trace of silt, brown	5	83			
Gravel, coarse to fine, some coarse to fine sand, trace of silt, trace of mica, brown (decomposed rock) . . .	4	113	Sand, coarse to fine, trace of fine gravel, trace of silt, brown-gray	6	89			
Boulder	3	116	Granite gneiss	5	94			
Gravel, coarse to fine, some coarse to fine sand, trace of silt, trace of mica, brown	3	119	Wb 85 th. 413307N0730242.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 261.6 ft. Depth to water 7 ft.			Wa 3 th. 413852N0730455.1. Conn. State Highway Dept. Drilled 1961. Altitude 333.0 ft. Depth to water 6 ft. est.		
Gneiss	10	129	Fill	7	7	Sand, fine to medium, trace of medium gravel, gray	1	1
			Silt, dark brown organic	6	13	Gravel and sand, trace of cobbles, tan .	2	3
			Silt, dark brown organic, trace of sand .	3	16	Gravel, medium, and sand, tan	14	17
			Gravel, medium to fine, and coarse to fine sand, trace of silt, brown	8	24	Sand, coarse, trace of fine gravel, gray	3	20
			Sand, coarse to fine, trace of silt, brown	20	44	Gravel and sand, trace of silt, gray-tan	6	26
			Sand, fine, little silt, brown	9	53	Sand, fine to coarse, little medium gravel, trace of silt, tan	5	31
			Gravel, coarse to fine, some coarse to fine sand, trace of silt, brown	7	60	Rock, hard, white	9	40
			Gneiss	5	65			
			Wb 86 th. 413307N0730240.1. Conn. State Highway Dept. Drilled 1961(?). Altitude 261.5 ft. Depth to water 8 ft.			Wa 4 th. 413653N0730345.1. Conn. State Highway Dept. Drilled 1961. Altitude 349.1 ft. Depth to water 35 ft.		
Fill: Concrete, brown coarse to fine sand, little medium to fine gravel, little silt Sand, coarse to fine, and coarse to fine gravel (Includes boulder fragments), trace of silt, brown	5	5	Fill: Sand, coarse to fine, trace of silt, brown	20	44	Topsoil, sandy, brown	1	1
Gravel, coarse to fine, and coarse to fine sand, trace of silt, brown	3	8	Sand, fine, little silt, brown	9	53	Sand, coarse to fine, some medium to fine gravel, trace of silt, brown	3	4
Sand, coarse to fine, trace of fine gravel, trace of silt, brown	11	19	Gravel, coarse to fine, some coarse to fine sand, trace of silt, brown	7	60	Sand, coarse to fine, little silt, little medium to fine gravel, brown	5	9
Sand, coarse to fine, trace of fine gravel, trace of silt, brown	4	23	Gneiss	5	65	Sand, coarse to fine, and fine to medium gravel, trace of silt, brown	10	19
Sand, fine, some silt, brown	23	46				Sand, fine to coarse, trace of silt, brown	10	29
Rock, decomposed	46.5	51.5				Sand, coarse, some fine sand, trace of silt, trace of gravel, brown	19	48
Gneiss	5	51.5				Schist, decayed	1	49
			Wb 87 th. 413234N0730403.1. State of Conn., Kaynor Vocational Technical School. Drilled 1968. Altitude 300 ft. Depth to water 10 ft. Drilled by Soiltesting, Inc.			Schist, sandy	5	54
			Fill, sandy	12	12			
			Sand, gravel, cobbles, and boulders . .	10.3	22.3			
			Mica schist, gray	30.3	52.6			
						Wa 5 th. 413653N0730343.1. Conn. State Highway Dept. Drilled 1961. Altitude 313.2 ft. Depth to water 6 ft.		
						Sand, coarse to fine, trace of fine gravel, light brown	13	13
						Sand, medium to fine, some medium to fine gravel, trace of silt, light brown . . .	10	23
						Sand, fine, brown	1	24
						Schist, decayed	6	30
						Schist, sandy	5	35
						Wa 6 th. 413538N0730630.1. U.S. Geol. Survey. Drilled 1966. Altitude 465 ft. Depth to water 2 ft.		
						Topsoil, sand, and fine gravel	7	7
						Silt and clay, light gray	11	18
						Gravel, compact	4	22
						Gravel, medium to very coarse sand matrix, moderate brown	8	30
						Gravel, compact	3	33
						Till(?)	1	34
						Refusal, probably bedrock	at	34
						Wa 7 th. 413824N0730449.1. U.S. Geol. Survey. Drilled 1966. Altitude 325 ft. Depth to water 9 ft.		
						Sand, coarse	2	2
						Gravel, coarse, with cobbles and boulders	19	21
						Refusal, probably bedrock	at	21

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

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Town of Watertown--Cont.								
Wa 8 th. 413700N0730339.1. U.S. Geol. Survey. Drilled 1966. Altitude 305 ft. Depth to water 6 ft est.			Wy 7 th. 413313N0731257.1. U.S. Geol. Survey. Drilled 1966. Altitude 255 ft. Depth to water 4.5 ft.			Wy 12 th. 413225N0731256.1. U.S. Geol. Survey. Drilled 1966. Altitude 240 ft. Depth to water 4 ft.		
Gravel, with cobbles and boulders	7	7	Topsoil	1	1	Topsoil and sand	5	5
Gravel	6	13	Gravel	5	6	Sand and gravel	5	10
Gravel, fine, light to dark yellowish- brown	9	22	Sand, fine to medium, micaceous, dark yellowish-brown to moderate olive-brown	50	56	Sand, very fine to fine, some silt, light to moderate olive-brown	22	32
Gravel, fine to coarse	28	50	Sand, fine to medium, micaceous, some thin gravel beds	19	75	Gravel	1	33
Gravel, fine	28	78	Gravel	7	82	Sand	4	37
Gravel, compact	4	82	Sand	10	92	Sand, medium to very coarse, some gravel, light olive-gray	3	40
Till(?)	2	84	Till: Silty matrix, light olive-gray	8	100	Sand, fine to medium, little silt, little coarse to very coarse sand, some thin gravel beds, reddish	40	80
Refusal, probably bedrock		at 84	Refusal, probably bedrock		at 100	Sand, fine to medium, trace of coarse sand, grayish-red	4	84
Town of Woodbury								
Wy 1 th. 413327N0731245.1. Conn. State Highway Dept. Drilled 1955. Altitude 254 ft. Depth to water 5 ft est.			Wy 8 th. 413319N0731206.1. U.S. Geol. Survey. Drilled 1966. Altitude 275 ft. Depth to water 8 ft est.			Till: Silty, sandy, gravelly, moderate to grayish-red	1	85
Fill, gravel	10	10	Topsoil and sand	5	5	Refusal		at 85
Sand, fine, and silt, tan	5	15	Gravel, compact, moderate olive-brown	26	31			
Gravel, fine, cobbles, and silt, gray	2	17	Sand, fine, micaceous, moderate olive- brown	7	38	Wy 13 th. 413051N0731413.1. U.S. Geol. Survey. Drilled 1966. Altitude 290 ft. Depth to water 0 ft est.		
Sand, fine, silt, and some mica, tan	4	21	Gravel, compact	10	48	Sand, fine to medium, trace of coarse sand, trace of gravel, light olive- gray to medium olive-brown	24	24
Sand, medium, silt, and some mica, tan	11	32	Sand and fine gravel	10	58	Silt, clayey, light olive-gray	2	26
Gravel, fine	2	34	Gravel, coarse, boulder, reddish	4	62	Silt to very fine sand, moderate red	2	28
Sand, fine to medium, tan (lost wash water)	10	44	Till: Silty, clayey, gritty, reddish and grayish mottling	4	66	Till: Silty, gravelly, grayish-red	3	31
Sand, fine to medium, and silt, tan, thin layers of fine gravel	10	54	Refusal, probably bedrock		at 66	Refusal, probably bedrock		at 31
Gravel, medium, silt, and cobbles, gray	3	57	Wy 9 th. 413305N0731250.2 U.S. Geol. Survey. Drilled 1966. Altitude 285 ft. Depth to water 30 ft.					
Till(?) : Boulders, cobbles, gravel and sand	6	63	Sand, very fine to fine, and silt, light olive-gray	56	56			
Rock, soft to medium, gray (poor core recovery)	5	68	Gravel	3	59			
			Silt, some clay, light olive-gray	39	98			
Wy 5 th. 413152N0731227.1. U.S. Geol. Survey. Drilled 1966. Altitude 190 ft. Depth to water 2 ft.			Wy 10 th. 413455N0731355.1. U.S. Geol. Survey. Drilled 1966. Altitude 350 ft. Depth to water 8 ft est.			Sand, very fine to fine, trace of medium sand, some silt, few gravel beds, moderate olive-brown to dark yellowish-brown	14	14
Fill, gravel	6	6	Fill, gravel	5	5	Sand, coarse, grading with depth to very fine sand	18	32
Peat	7.5	13.5	Sand, medium to coarse, and fine gravel, dark yellowish-brown	5	10	Gravel, some coarse to very coarse sand, light olive-gray	4	36
Sand, fine	1.5	15	Sand, fine to medium, little coarse sand, dark yellowish-brown	31	41	Till: Silty, sandy, gravelly, medium gray	2	38
Gravel, fine to medium, and sand, gray	13	28	Sand, very fine to coarse, and gravel, dark yellowish-brown to light olive- gray	5	46			
Sand, very fine to fine, some silt, reddish-brown	17	45	Till(?) : Clayey and gravelly, brown and gray	14	60	Wy 15 th. 413246N0731244.1. U.S. Geol. Survey. Drilled 1966. Altitude 255 ft. Depth to water 15 ft.		
Gravel and sand, varying from sand to well sorted pebble gravel to poorly sorted sandy gravel, grayish-red to dark reddish-brown	11	56	Till: Clayey, gray	3	63	Gravel	5	5
Till: clayey, pebbly, compact, olive-gray	1	57	Refusal, probably bedrock		at 63	Sand	4	9
Wy 6 th. 413216N0731237.1. U.S. Geol. Survey. Drilled 1966. Altitude 235 ft. Depth to water 8 ft.						Silt, some very fine sand, moderate olive-brown	12	21
Topsoil	2	2				Gravel, fine, and fine to very coarse sand, iron-stained, light olive-gray	6	27
Silt, some clay, olive-brown, with thin beds of light gray very fine to fine sand, orange fine to medium sand, and trace of olive-brown sandy gravel	46	48				Sand, medium, little fine sand, micaceous, light olive-gray	18	45
Silt, clayey, gray (refusal)		at 48				Gravel	3	48
						Sand, very fine to fine, dark yellowish- brown	13	61
						Sand, medium, some very fine to fine sand, some silt, little coarse sand, micaceous dark yellowish-brown	9	70
						Sand, very fine to medium, some silt, dark yellowish-brown	24	94

Table 4.--Laboratory determinations of physical and hydrologic properties of samples of stratified-drift deposits

Sampling procedure: Samples were collected by split spoon sampler or from cuttings on auger flights.

Analyses: All analyses were by the U.S. Geological Survey.

Location: Location designators are included in tables 2 and 3 and sample site locations are shown on plate A.

Uniformity coefficient: 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).

Remarks: Sy, specific yield (percent) calculated from porosity and specific retention (specific yield = total porosity minus specific retention) which were determined by the standard pycnometer method and centrifuge-moisture-equivalent method, respectively (Johnson, 1953); P, coefficient of permeability (gpd per sq ft) determined with a constant-head permeameter on repacked sample; H, hydrometer and sieve analyses; S, sieve analysis only.

Local well or test hole number	Laboratory sample number	Depth (ft)	Particle-size distribution, percent							Median grain size (mm)	Uniformity coefficient (C _u)	Remarks
			Clay and silt ($<.0625$ mm)	Very fine sand (.0625-.125mm)	Fine sand (.125-.25mm)	Medium sand (.25-.5mm)	Coarse sand (.5-1mm)	Very coarse sand (1-2mm)	Gravel (>2 mm)			
Town of Beacon Falls												
BF 12th	67CON1	28-29.5	15.6	3.2	17.6	41.6	19.0	3.0	-	0.32	11	H.
BF 13th	67CON2	at 50	8.0	4.6	14.2	31.2	36.0	6.0	-	.43	5.4	S.
	67CON3	at 50	6.3	2.7	5.8	10.5	18.9	17.3	38.5	1.2	13	S.
BF 14th	67CON4	23-24.5	8.3	4.9	9.5	12.1	13.8	11.4	40.0	1.1	24	S.
Town of Litchfield												
Lf 9th	67CON5	13-14.5	10.5	12.2	21.1	32.1	13.1	6.3	4.7	.29	6.0	S.
	67CON6	28-29.5	42.0	33.2	23.0	1.6	.2	-	-	.078	9.4	H.
	67CON7	35-50	9.3	8.1	18.5	14.7	11.0	7.0	31.4	.46	14	S.
	67CON8	50-79	6.9	9.9	29.1	19.3	10.6	8.2	16.0	.28	4.8	S.
Town of Milford												
HI 41th	67CON9	13-14.5	3.8	9.6	27.4	23.5	13.9	11.3	10.5	.32	4.4	S.
	67CON10	23-24.5	57.0	32.2	8.4	2.0	0.4	-	-	.054	3.8	H.
Town of Monroe												
Mo 7th	67CON11	13-14.5	12.4	2.4	13.1	35.1	22.2	7.2	7.6	.38	47	S.
	67CON12	28-29.5	13.2	20.4	43.0	20.8	2.2	0.4	-	.17	3.8	H.
	67CON13	48-49.5	7.0	3.3	10.1	18.3	20.2	13.5	27.6	.72	9.5	S.
Town of Newtown												
Nt 21th	67CON14	18-19.5	13.0	22.2	49.0	14.6	1.0	0.2	-	.15	4.0	H.
Nt 22th	67CON15	8- 9.5	4.5	3.2	11.3	44.3	30.1	5.5	1.1	.42	3.0	H.
	67CON16	18-19.5	13.8	8.4	15.1	24.8	14.3	9.6	14.0	.35	10.2	S.
Nt 23th	67CON17	48-49.5	55.8	29.0	14.6	.6	-	-	-	.054	5.8	H.
Nt 24th	67CON18	18-19.5	15.0	24.6	45.5	14.0	.6	.2	.1	.14	3.6	H.
Nt 25th	67CON19	18-19.5	12.9	22.8	34.6	12.5	5.4	5.3	6.5	.16	3.6	H.
	67CON20	33-34.5	7.2	6.0	20.8	22.4	10.5	6.3	26.8	.40	6.1	H.
Town of Oxford												
Ox 12th	67CON21	8- 9.5	2.5	1.4	3.9	4.5	23.8	19.9	44.0	1.6	6.7	S.
	67CON22	48-49.5	6.3	5.1	14.0	25.7	20.7	9.6	18.6	.48	6.0	S.
Town of Plymouth												
Pm 9th	67CON23	13-14.5	4.2	7.1	34.5	43.0	7.5	2.8	.9	.26	2.8	S.
Pm 10th	67CON24	28-29.5	28.6	24.4	35.3	8.6	1.6	.8	.7	.12	8.2	H.
	67CON25	53-54.5	66.0	19.4	10.8	2.4	1.0	0.4	-	.046	4.6	H.
Town of Seymour												
Se 17th	67CON26	18-19.5	3.7	7.3	28.6	26.8	23.0	8.6	2.0	.33	3.5	S.
	67CON27	28-29.5	26.0	32.2	34.2	7.0	.4	.2	-	.104	5.0	H.
	67CON28	48-49.5	16.9	15.9	36.7	23.6	3.6	2.8	.5	.17	4.9	H.
Town of Southbury												
Sb 10	66CON1	11-12	54.0	36.4	8.8	.6	.2	-	-	.057	3.4	Sy 32.4; P 4; S.
	66CON2	20-22	55.3	32.3	8.5	1.4	1.2	.8	.5	.056	3.3	Sy 27.8; P 2; S.
	66CON3	30-32	20.8	8.8	4.9	9.1	13.9	12.0	30.5	.72	38	Sy 12.1; P 1; S.
	66CON4	60-62	6.8	8.6	16.4	29.5	20.4	10.1	8.2	.38	6.8	Sy 25.7; P 27; S.
Sb 11	66CON6	10-12	7.5	6.7	16.6	16.9	13.5	13.6	25.2	.56	10	Sy 18.1; P 8; S.
	66CON7	17-19	5.8	8.0	43.5	40.5	1.6	.4	.2	.23	2.4	Sy 35.4; P 35; S.
	66CON9	30-32	10.9	8.6	14.8	14.5	9.1	4.9	37.2	.52	23	Sy 16.7; P 5; S.

Table 4.--Laboratory determinations of physical and hydrologic properties of samples of stratified-drift deposits--Cont.

Local well or test hole number	Laboratory sample number	Depth (ft)	Particle-size distribution, percent							Median grain size (mm)	Uniformity coefficient (C _u)	Remarks
			Clay and silt ($<.0625$ mm)	Very fine sand (.0625-.125mm)	Fine sand (.125-.25mm)	Medium sand (.25-.5mm)	Coarse sand (.5-1mm)	Very coarse sand (1-2mm)	Gravel (>2 mm)			
Town of Southbury--Cont.												
Sb 11	66CON10	45-47	7.6	7.1	14.3	16.7	13.6	10.0	30.7	0.62	12	Sy 26.0; P 24; S.
	66CON11	33-57	6.3	5.4	11.5	15.8	14.2	20.1	26.7	.85	12	Sy 22.8; P 24; S.
Sb 12	66CON12	10-12	4.4	16.2	33.1	24.5	19.2	2.4	.2	.24	3.1	Sy 36.5; P 130; S.
Sb 18th	67CON29	8- 9.5	4.8	3.7	8.4	24.7	23.6	10.4	24.4	.63	5.5	S.
	67CON30	13-14.5	7.3	7.2	36.4	36.3	8.3	3.6	.9	.24	2.9	S.
	67CON31	23-24.5	26.6	50.4	15.0	7.2	.8	-	-	.088	2.7	H.
	67CON32	15-62.5	13.2	13.0	40.2	30.2	3.0	.4	-	.18	4.8	H.
	67CON33	15-62.5	37.1	33.7	19.5	5.6	1.2	.4	2.5	.084	5.6	H.
Sb 19th	67CON34	8-35	28.0	27.2	27.4	11.0	5.4	1.0	-	.11	6.1	H.
	67CON35	35-43	9.4	8.6	11.1	10.1	12.8	16.1	31.9	.91	21	H.
	67CON36	43-50	22.7	24.0	23.2	9.5	8.7	6.4	5.5	.14	7.5	H.
	67CON37	50-56	15.2	15.0	29.2	17.2	10.5	5.4	7.5	.20	7.2	H.
Sb 20th	67CON38	at 25	72.4	18.5	7.2	.6	.6	.4	.3	.026	39	H.
	67CON41	33-34.5	95.9	2.6	.4	.2	.6	.2	.1	.010	30	H.
	67CON39	at 35	11.3	14.0	37.3	21.4	10.6	4.4	1.0	.19	4.4	H.
	67CON40	at 45	11.0	12.3	27.4	21.9	17.1	7.4	2.9	.24	6.0	H.
Sb 21th	67CON42	at 15	66.0	27.0	6.6	.4	-	-	-	.049	3.1	H.
	67CON43	38-39	20.6	10.6	15.3	11.9	11.2	9.5	20.9	.26	47	H.
	67CON44	at 63	29.0	15.1	14.5	12.3	9.4	6.6	13.1	.16	16	H.
Sb 22	67CON46	18-19.5	74.2	18.6	5.0	.8	.6	.2	.6	.032	7.3	H.
	67CON47	48-49.5	53.8	42.0	4.0	.2	-	-	-	.056	4.9	H.
Sb 27th	66CON15	10-12	12.1	28.9	45.5	11.7	.6	.2	1.0	.14	2.9	S.
	66CON16	20-22	9.2	30.4	38.2	13.3	6.0	2.4	.5	.14	2.7	S.
	66CON17	35-37	11.9	25.5	39.0	18.1	3.8	1.2	.5	.16	3.4	S.
Town of Thomaston												
Tm 35th	67CON48	18-19.5	4.9	3.0	11.8	50.7	26.0	2.0	16.0	.38	2.6	S.
	67CON49	33-34.5	5.7	4.0	11.3	28.7	9.4	10.9	30.0	.51	7.8	S.
Town of Torrington												
T 9th	67CON50	23-24.5	19.4	31.6	39.6	9.0	.2	.2	-	.12	3.5	H.
Town of Waterbury												
Wb 72th	67CON51	18-19.5	37.2	24.0	28.6	8.0	1.2	.4	.6	.092	15	H.
Town of Watertown												
Wa 6th	67CON52	13-14.5	94.0	5.2	.6	.2	-	-	-	.0067	-	H.
Town of Woodbury												
Wy 5th	67CON53	18-19	9.3	4.9	10.0	13.4	12.2	8.1	42.1	1.0	39	S.
	67CON54	30-45	28.4	28.5	30.8	7.9	2.4	.8	1.2	.11	6.4	H.
	67CON55	50-56	10.7	5.7	14.0	12.3	6.8	4.5	46.0	1.2	63	H.
Wy 6th	67CON56	38-39	97.0	.8	.8	.8	.4	.2	-	.010	12	H.
Wy 7th	67CON57	18-19.5	9.1	13.9	43.4	25.6	4.9	2.2	.9	.20	3.3	H.
	67CON58	31-32.5	15.1	20.7	46.7	14.7	1.6	.6	.6	.16	5.6	H.
	67CON59	74-75.5	5.8	9.0	34.6	43.8	6.6	.2	-	.25	2.8	S.
Wy 9th	67CON60	at 30	44.2	20.8	27.0	7.4	.6	-	-	.076	12	H.
	67CON61	58-59.5	92.2	4.4	2.0	.4	.4	.6	-	.0036	12	H.
Wy 10th	67CON62	23-24.5	9.1	11.4	27.9	29.7	10.3	6.6	5.0	.26	4.4	S.
	67CON63	43-44.5	8.5	7.6	24.2	30.6	13.5	8.4	7.2	.30	4.7	S.
	67CON64	43-44.5	66.4	25.2	7.2	1.0	.2	-	-	.033	51	H.
Wy 12th	67CON65	18-19.5	26.4	24.4	36.2	11.8	1.2	-	-	.12	6.9	H.
	67CON66	38-39.5	9.1	4.3	9.0	14.4	16.6	16.5	30.1	.86	19	S.
	67CON67	10-65	15.0	17.8	27.2	20.4	11.3	3.6	4.7	.19	6.6	H.
Wy 13th	67CON68	8- 9.5	4.7	5.5	20.6	36.7	21.6	5.5	5.4	.36	3.5	S.
	67CON69	16-21	6.6	11.1	30.7	31.4	13.0	4.1	3.1	.26	3.4	S.
	67CON70	21-26	13.0	9.6	26.1	26.0	14.9	4.5	5.9	.26	8.3	H.

Table 4.--Laboratory determinations of physical and hydrologic properties of samples of stratified-drift deposits--Cont.

Local well or test hole number	Laboratory sample number	Depth (ft)	Particle-size distribution, percent							Median grain size (mm)	Uniformity coefficient (C _u)	Remarks
			Clay and silt ($<.0625$ mm)	Very fine sand (.0625-.125mm)	Fine sand (.125-.25mm)	Medium sand (.25-.5mm)	Coarse sand (.5-1mm)	Very coarse sand (1-2mm)	Gravel (>2 mm)			
Town of Woodbury--Cont.												
Wy 14th	67CON71	13-14.5	32.6	30.2	25.4	9.2	2.0	.6	-	.091	6.9	H.
	67CON72	33-35	3.6	2.3	6.0	7.9	8.4	12.0	59.8	3.2	24	S.
Wy 15th	67CON73	13-14.5	71.0	23.0	5.0	.6	.2	.2	-	.039	4.4	H.
	67CON74	23-24.5	5.8	9.0	15.4	11.8	17.2	11.3	29.5	.66	12	S.
	67CON75	53-54.5	10.8	25.4	50.4	12.0	1.0	.4	-	.14	2.8	S.
	67CON76	60-90	22.3	12.9	20.6	25.8	12.0	4.3	2.1	.20	18	S.

Table 5.--Records of pumping tests of wells

Town of Naugatuck

Na 16 and Na 31, Connecticut Water Co., Naugatuck Div., test by U.S. Geological Survey; Na 16 pumped for 85.54 days from 1212 EST, 9-21-67 to 0130, 12-16-67; Na 31 pumped for 84.54 days from 1212 EST, 9-22-67 to 0130, 12-16-67. Cumulative average discharge computed from observations and records of owner's continuous automatic flow meters, in gallons per minute. Water levels in feet below land surface; measured by steel

tape or automatic water level recorder. Recorder levels selected from continuous-record charts. Altitude: Estimated from topographic map, in feet above mean sea level. Remarks: T, temperature of water sample from Na 16 followed by temperature of Beacon Hill Brook, in degrees Fahrenheit. See table 1 for well details, table 2 for logs of selected wells, and Plate A for well locations.

Well no. ....	... Na 16 ...	... Na 31 ...	... Na 9 ...	... Na 10 ...	... Na 11 ...	... Na 16 ...	... Na 31 ...	Remarks
Distance from Na 16 (ft).	0	--	320	240	225			
Distance from Na 31 (ft).	--	0	650	500	240			
Altitude (ft).....	340	340	345	340	335			
Time since pumping began (days)		Time since pumping began (days)		Water levels in feet below land surface		Cumulative average pumping rate (gpm)		
(days)	(min)	(days)	(min)					
(9-21-67)	0	0		9.41	6.59	6.44	0	Na 16 pump on at 1212 EST.
		0.5		9.41	6.59	6.44		
		1.0		9.41	6.59	6.44		
		1.5		9.41	6.61	6.47		
		2.0		9.42	6.64	6.52		
		2.5		9.43	6.70	6.60		
		3.0		9.44	6.77	6.69		
		3.5				6.78		
		4.0		9.48	6.93	6.87		
		4.5				6.95		
		5.0		9.53	7.08	7.04		
		5.5		9.58	7.21	7.17		
		6.0		9.63	7.33	7.30		
		6.5		9.68	7.44	7.40		
		7.0		9.72	7.54	7.48		
		7.5			7.63	7.55		
		8.0		9.78				
		8.5		9.83	7.78	7.67		
		9.0		9.82	7.97	7.81		
		9.5		10.04	8.23	7.99		
		10.0		10.14	8.42	8.12		
		10.5		10.22	8.57	8.23		
		11.0		10.29	8.71	8.33		
		11.5		10.35	8.82	8.42		
		12.0		10.44	9.00	8.56		
		12.5		10.52	9.14	8.67	271	T = 52, 60. Na 16 sampled for chemical analysis.
		13.0		10.61	9.30	8.83		
		13.5		10.68	9.43	8.95		
		14.0		10.74	9.54	9.06		
		14.5		10.80	9.62	9.16		
		15.0		10.88	9.76	9.32		
		15.5		10.95	9.88	9.46		
		16.0		11.02	10.00	9.58		
		16.5		11.06	10.07	9.69		
		17.0		11.11	10.16	9.80		
		17.5		11.15	10.22	9.89		
		18.0		11.20	10.29	9.97		
		18.5		11.23	10.35	10.04		
		19.0		11.26	10.39	10.10		
		19.5		11.29	10.42	10.15		
		20.0		11.34	10.50	10.25		
		20.5		11.39	10.57	10.34		
		21.0		11.43	10.62	10.40		
		21.5		11.47	10.65	10.46		
		22.0		11.50	10.70	10.51		
	0.5	22.5		11.53	10.74	10.56		
		23.0		11.56	10.77	10.60		
		23.5		11.63	10.84	10.69		
		24.0		11.68	10.91	10.77		
		24.5		11.75	10.98	10.87	262	T = 50.5, 61. Measured precipitation at wells, 0.38 inch (thundershowers).
(9-22-67)	1	1,320	0	11.79	11.06	10.96	262	Na 31 pump on at 1212 EST.
		1,440	0.5	11.81	11.07	10.99		
		1,440.5	1.0			10.99		
		1,441	1.5			10.99		
		1,441.5	2.0			11.01		
		1,442	2.5			11.02		
		1,442.5	3.0			11.03		
		1,443	3.5			11.07		
		1,444	4.0			11.10		
		1,445	4.5			11.13		
		1,446	5.0			11.17		
		1,447	5.5			11.19		
		1,448	6.0			11.21		
		1,449	6.5		11.07	11.23		
		1,450	7.0			11.27		
		1,452	7.5					
		1,454	8.0		11.09			
		1,455	8.5	11.81		11.31		
		1,458	9.0	11.82				
		1,459	9.5		11.11			
		1,460	10.0			11.37		
		1,465	10.5	11.82	11.13	11.42		
		1,470	11.0	11.83	11.15	11.47		
		1,475	11.5	11.83	11.17	11.51		
		1,480	12.0	11.84	11.19	11.55		
		1,490	12.5	11.84	11.22	11.61		
		1,500	13.0	11.86	11.24	11.66		
		1,515	13.5			11.74		
		1,519	14.0		11.29			
		1,524	14.5	11.87				
		1,530	15.0			11.81	211	
		1,535	15.5		11.34	11.87	261	
		1,560	16.0			11.93		
		1,566	16.5	11.92				
		1,570	17.0		11.39			
		1,580	17.5			12.03		
		1,596	18.0	11.94				
		1,600	18.5		11.45		210	
		1,620	19.0			12.12		
		1,629	19.5	11.98				
		1,630	20.0		11.49			
		1,650	210		12.19			T = 50+, 64.

Table 5.--Records of pumping tests of wells--Continued

Town of Naugatuck--Continued									
Well no.	... Na 16 ...	... Na 31 ...	... Na 9 ...	... Na 10 ...	... Na 11 ...	... Na 16 ...	... Na 31 ...		
	Time since pumping began (days)	(min) (days)	(min)	Water levels in feet below land surface			Cumulative average pumping rate (gpm)	Remarks	
	1,656	216	12.00				209		
	1,660	220	11.53						
	1,680	240							
(9-23-67)	2	1	12.52	12.18	12.25	256	203		
(9-24-67)	3	2	12.89	12.50	13.19	253	201		
(9-25-67)	4	3	13.36	12.92	13.58	251	200		
(9-26-67)	5	4	13.68	13.14	14.10	250	198		
(9-28-67)	7	6	14.26	13.59	14.33	248	196		
(10- 2-67)	11	10	14.98	14.03	14.85	245	194		
(10- 6-67)	15	14	15.66	14.59	15.45	243	193		
(10-10-67)	19	18	16.15	14.89	15.92	242	192		
(10-17-67)	26	25	16.73	15.29	16.26	241	192		
(10-31-67)	40	39	17.10	15.50	16.71	239	191		
(11- 7-67)	47	46			17.00	238	190		
					17.17				
(11-16-67)	56	55				237	190		
(11-20-67)	60	59	17.50	15.88	17.57	237	190		
(12- 1-67)	71	70				236	189		
(12- 6-67)	76	75	17.76 1/	16.09 1/	17.81 1/	236	189		
(12-15-67)	85	84	17.88 1/	16.32 1/		235	189		
(12-16-67)	86	85				235	189		

1/ Estimated.

Table 5.--Records of pumping tests of wells--Continued

Town of Shelton

Sh 10, Bridgeport Hydraulic Co., drilled well in stratified drift. Test by C. W. Lauman and Co., and U.S. Geological Survey, pumped for 24 hours from 1015 EST, 8-9-67 to 1015 EST, 8-10-67 at average discharge of 2,118 gpm. Maximum drawdown 122 feet. Water levels in feet below land surface measured by steel tape. Altitude: Estimated from topographic map, in feet above mean sea level.

Housatonic River: Stage measured with temporary staff gage installed on pier, 375 feet downstream from Sh 15. Gage datum undetermined. Right edge of river approximately 470 feet from Sh 4, 56 feet from Sh 10, and 80 feet from Sh 15. Temperature measured by resistance thermometer at temporary staff gage. See table 1 for well details, table 2 for logs of selected wells and plate A for well locations.

Well no. ....	... Sh 4...	...Sh 15...	Well no.	... Sh 4...	... Sh 15...		
Distance from Sh 10 (ft)	413	172					
Altitude (ft)	40	40					
Time since pumping began (min)	Water levels in feet below land surface	Housatonic River Stage (ft)	Temperature (°F)	Time since pumping stopped (min)	Water levels in feet below land surface	Housatonic River Stage (ft)	Temperature (°F)
0	21.17	19.18		0	22.75	25.14	
.5	21.17	19.22		.5		25.08	
1.0	21.17	19.46		1.0	22.75	24.83	
1.5	21.18	19.87		1.5	22.75	24.56	
2.0	21.19	20.29		2.0	22.75	24.08	
2.5	21.20	20.68		2.5	22.71	23.75	
3	21.21	21.06		3	22.70	23.43	
4	21.24	21.54		4	22.69	22.96	
5	21.26	21.86		5	22.67	22.62	5.61
6	21.28	22.08		6	22.65	22.38	73.8
7	21.29	22.21		7	22.62	22.22	
8	21.31	22.32	5.39	8	22.61	22.10	
9	21.32	22.39		9	22.59	22.00	
10	21.34	22.45	5.40	10	22.58	21.93	5.64
12	21.37	22.56		12	22.56	21.81	
15	21.40	22.68	5.42	15	22.53	21.68	5.66
20	21.43	22.81	5.45	20	22.47		5.67
25	21.47	22.94	5.50	21		21.50	
30	21.50	23.01	5.52	25	22.44	21.38	5.73
35	21.53	23.10		30	22.41	21.28	5.78
40	21.55	23.18	5.56	35	22.38	21.19	5.84
50	21.61	23.30	5.45	40	22.35	21.10	5.86
60	21.64	23.40	5.45	50	22.29	20.94	5.88
75	21.70	23.51	5.56	60	22.24	20.83	5.95
90	21.74	23.65	5.32				
105	21.79		5.30				
120	21.82	23.82	5.21				
150	21.87	23.94	5.13				
180	21.93	24.05	5.33				
210	21.98	24.11	5.54				
240	22.00	24.16	5.66				
270	22.04	24.22	5.73				
300	22.07	24.28	5.78				
330	22.09	24.30	5.82				
360	22.11	24.31	5.96				
390	22.13	24.36	6.05				
420	22.15	24.36	6.10				
450	22.18	24.40	6.00				
540	22.21	24.45	5.60				
600	22.26	24.55	5.64				
660	22.30	24.60	5.28				
720	22.32	24.67	5.07				
780	22.37	24.75	4.94				
840	22.40		4.87				
960	22.48	24.90	4.72				
1,080	22.56	24.99	4.63				
1,200	22.62	25.08	4.54				
1,320	22.71	25.21	4.67				
1,440	22.75	25.14	5.61 1/				72.8 1/

1/ Time since pumping began, 1,413 minutes.

Table 5.--Records of pumping tests of wells--Continued

Town of Southbury

Sb 5. Paparazzo Devel. Corp., drilled well in stratified drift. Test by U.S. Geological Survey, pumped for 97 hours from 0800 EST, 8-8-66 to 0900 EST, 8-12-66 at a constant discharge of 278 gpm. Water levels in feet below land surface; measured by steel tape unless

otherwise indicated. Altitude: Levelled by field survey to hundredths of a foot, in feet above mean sea level. See table 1 for well details, table 2 for logs of selected wells, and plate A for well locations.

Well no.	Sb 4 1/...	Sb 4 1/2...	Sb 5 2/...	Sb 6 ...	Sb 7 ...	Sb 8 ...	Sb 9 1/...	Sb 10 ...	Sb 11 ...	Sb 12 ...
Distance from Sb 5 (ft).	315	325	0	415	237.5±	74.2	480	100	150	200
Altitude (ft)	184.5	189.2	181.7	184.6	180.5	181.6	182.1	181.3	181.6	181.5
Time since pumping began (min)										
0	7.42	7.69 2/	6.60 2/	7.33	3.97 2/	5.58	6.04	5.39 3/	5.65 3/	5.61 3/
.25	7.42									
.50	7.43	7.69		7.34	4.00	6.29	6.04	5.49	5.71	5.64
.75	7.43									
1.00	7.43									
1.25	7.44									
1.50	7.44	7.70		7.36	4.11	6.89	6.04	5.98	5.86	5.67
1.75	7.45									
2.00	7.46			7.36	4.16	7.04	6.04	6.02		5.71
2.25	7.47									
2.50	7.47	7.74		7.37	4.17	7.07	6.05	6.10	5.97	5.73
2.75	7.48									
3.00	7.49	7.76		7.37	4.23	7.16	6.05	6.14	5.97	5.74
3.30	7.50									
4		7.76		7.37	4.27	7.25	6.06	6.20		5.76
5	7.52			7.37	4.29	7.24	6.06	6.26	5.97	5.78
6	7.53	7.76	38.86	7.38	4.29	7.23	6.07	6.23	5.99	5.79
7	5.53	7.77		7.39	4.30	7.22	6.07	6.24	6.00	5.79
8	7.54	7.78	38.48	7.39	4.30	7.23	6.07	6.24	6.00	5.79
9			38.44							
10	7.54	7.78	38.53	7.40	4.31	7.23	6.08	6.25	6.01	5.80
12	7.54	7.81	38.26	7.40	4.30	7.24	6.08	6.26	6.01	5.81
15	7.55	7.81	38.26	7.40	4.32	7.22	6.08	6.28	6.03	5.83
20	7.56	7.81	38.54	7.40	4.34	7.31	6.09	6.31	6.04	5.85
21										
25	7.56	7.81		7.41	4.34	7.29	6.10	6.34	6.05	5.86
30	7.57	7.81	38.35	7.42	4.35	7.32	6.10	6.35	6.06	5.87
35	7.57	7.81		7.41	4.36	7.35	6.10	6.36	6.09	5.89
40	7.58	7.82		7.41	4.38	7.37	6.11	6.38	6.09	5.90
45	7.58	7.83	38.55	7.42	4.38		6.11	6.38	6.08	5.89
50	7.59	7.82		7.42	4.39	7.38		6.38	6.10	5.91
60	7.59	7.85	38.72	7.42	4.42	7.42	6.11	6.41	6.12	5.92
75	7.60	7.85		7.43	4.42	7.42	6.12	6.44	6.14	5.95
90	7.61	7.86		7.43	4.44	7.45	6.13	6.44	6.17	5.98
105	7.62	7.88		7.44	4.46	7.47	6.13	6.47	6.18	5.98
120	7.64	7.87		7.45	4.48	7.51	6.14	6.48	6.18	5.98
142			38.42							
150	7.65	7.88		7.42	4.47	7.50	6.14	6.52	6.23	6.00
179			38.18							
180	7.67	7.89	38.14	7.44	4.51	7.57	6.15	6.52	6.25	6.02
184			38.18							
210	7.68	7.89	38.55	7.46	4.54	7.59		6.59	6.26	6.03
239			38.48							
250	7.69	7.91		7.46	4.55	7.62	6.17	6.59	6.30	6.08
270	7.70	7.91		7.46	4.57	7.63	6.18	6.63	6.30	6.10
273			38.23							
300	7.72	7.92		7.47	4.59	7.64	6.18	6.65	6.34	6.07
301			38.38							
329			38.54							
330	7.72	7.93		7.49	4.60	7.67	6.19	6.65	6.31	6.10
358			38.50							
360	7.73	7.94		7.49	4.61	7.70	6.20	6.65	6.33	6.10
389			38.60							
390		7.94								
420	7.75	7.95	38.57	7.50	4.63	7.70	6.22	6.69	6.39	6.10
480	7.75	7.98	38.50	7.52	4.66	7.76	6.23	6.70	6.38	6.11
540	7.77	7.99	38.62	7.52	4.68	7.78	6.23	6.73	6.39	6.14
600	7.79	8.01	38.71	7.54	4.72	7.78	6.24	6.76	6.41	6.17
660	7.80	8.02		7.55	4.73	7.83	6.25	6.75	6.40	6.16
720	7.81	8.03		7.55	4.73	7.83	6.25	6.77	6.43	6.17
780	7.82	8.04	38.60	7.55	4.75	7.84	6.26	6.79	6.45	6.19
840	7.82	8.05		7.56	4.77	7.88	6.26	6.83	6.45	6.20
960	7.84	8.03		7.57	4.80	7.92	6.27	6.84	6.48	6.20
1,080	7.85	8.03		7.58	4.81	7.92	6.28	6.86	6.49	6.24
1,200	7.87	8.08		7.60	4.84	7.94	6.29	6.87	6.50	6.25
1,320	7.88	8.12			4.83	7.96	6.29	6.91	6.54	6.28
1,440	7.89	8.11	38.98	7.57	4.85	8.02	6.30	6.94	6.54	6.30
1,560	7.89	8.11		7.57	4.86	8.04	6.30	6.94	6.56	6.30
1,660			38.90							
1,680	7.90	8.10		7.57	4.88	8.07	6.30	6.94	6.56	6.30
1,765			39.00							
1,800	7.92	8.11		7.58	4.89	8.08	6.30	6.95	6.56	6.30
1,920	7.91	8.12		7.58	4.90	8.07	6.30	6.97	6.56	6.31
2,040	7.92	8.14		7.59	4.92	8.09	6.31	6.98	6.58	6.32
2,085			39.00							
2,160	7.93	8.15		7.60	4.92	8.10	6.31	7.00	6.59	6.32
2,280	7.94	8.16		7.60	4.94	8.12	6.31	7.00	6.61	6.33
2,400	7.95	8.19		7.62	4.98	8.12	6.31	7.04	6.61	6.35
2,520	7.96	8.20		7.63	4.98	8.13	6.32	7.06	6.61	6.36
2,640	7.96	8.17		7.62	4.99	8.12	6.32	7.07	6.63	6.36
2,760	7.96	8.16		7.59	4.98	8.19	6.32	7.05	6.62	6.35
2,805			39.00							
2,880	7.96	8.16		7.58	4.99	8.18	6.32	7.05	6.62	6.36
2,985			39.47							
3,120	7.98	8.18		7.63	5.01	8.22	6.32	7.07	6.66	6.39
3,205			39.14							
3,360	7.99	8.21		7.65	5.03	8.22	6.35	7.09	6.68	6.41
3,600	8.01	8.24	39.07	7.66	5.05	8.24	6.36	7.12	6.70	6.43
3,840	8.03	8.25		7.67	5.07	8.28	6.37	7.13	6.71	6.44
4,080	8.03	8.28		7.67	5.09	8.28	6.39	7.16	6.73	6.47
4,320	8.03	8.24		7.63	5.08	8.28	6.41	7.15	6.72	6.44
4,470			39.47							
4,560	8.03	8.25		7.66	5.09	8.31	6.42	7.18	6.72	6.46
4,755			39.50							
4,800	8.06	8.26		7.68	5.13	8.34	6.43	7.21	6.76	6.47
5,040	8.07	8.29		7.68	5.14	8.36	6.44	7.20	6.76	6.50
5,280	8.07	8.25		7.67	5.15	8.37	6.45	7.21	6.76	6.48
5,520	8.07	8.27		7.66	5.15	8.38	6.45	7.25	6.76	6.48
5,775			39.63							
5,760	8.07	8.27		7.66	5.16	8.40		7.25	6.80	6.51

1/ Water levels from automatic water level recorder chart.
2/ Measured by electric tape.

3/ Water level before pumping began.
4/ Water level before pumping stopped.

Table 5.--Records of pumping tests of wells--Continued

Town of Southbury--Continued

Well no. ....	...Sb 4A...	...Sb 6...	...Sb 7...	...Sb 8...
Time since pumping stopped (min)				
0	8.27 ^{h/}	7.66 ^{h/}	5.16 ^{h/}	8.40 ^{h/}
.25	8.27	7.63	5.14	8.13
.50		7.63	5.14	7.74
1.00		7.63	5.09	6.97
1.25	8.27			
1.50	8.26	7.63	5.02	6.70
2.0	8.24	7.62	4.95	6.57
2.5	8.22	7.62	4.92	6.50
3.0	8.21	7.61	4.89	6.46
4.0	8.20	7.60	4.85	6.44
5	8.19	7.59	4.84	6.44
6	8.16	7.59	4.82	6.44
7	8.16	7.59	4.81	6.45
8	8.15	7.59	4.80	6.48
10	8.15	7.59	4.80	6.51
12	8.15	7.59	4.81	6.59
15	8.13	7.59	4.82	6.66
20	8.16	7.58	4.82	6.65
25	8.15	7.59	4.80	6.63
30	8.14	7.58	4.79	6.61
35	8.14	7.58	4.76	
40	8.15	7.58	4.78	6.58
50	8.13	7.57	4.75	6.55
60	8.12	7.57	4.75	6.53
75	8.10	7.57	4.68	6.50
90	8.10	7.57	4.70	6.48
105	8.09	7.56	4.69	6.45
120	8.08	7.56	4.68	6.43