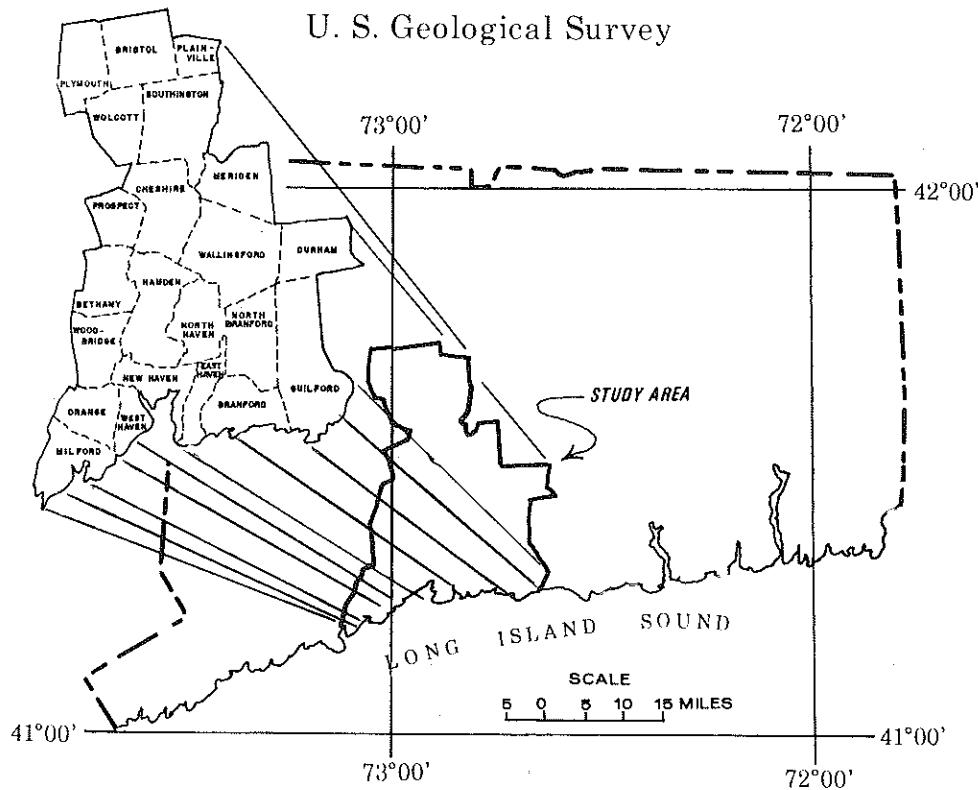


STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HYDROGEOLOGIC DATA FOR SOUTH-CENTRAL CONNECTICUT

By
F. P. Haeni and H. R. Anderson
U. S. Geological Survey



Prepared by the
U. S. GEOLOGICAL SURVEY
in cooperation with the

CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION
CONNECTICUT WATER RESOURCES BULLETIN NO. 32

REPORTS DEALING WITH WATER RESOURCES IN CONNECTICUT

Selected references on water in Connecticut. Reports prepared by the U.S. Geological Survey, WRD, in cooperation with the State of Connecticut.

An asterisk (*) indicates the report is out of print; many of the reports may be consulted at the Hartford office of the U.S. Geological Survey and at selected libraries.

Connecticut Water Resources Bulletins

- *1. Chemical and physical quality of water resources in Connecticut, 1955-1958; F. H. Pauszek.
- *2. Ground-water levels in Connecticut, 1956-1959; A. M. LaSala, Jr.
- 3. Records and logs of selected wells and test borings, records of springs, and chemical analyses of water in the Farmington-Granby area, Connecticut; A. D. Randall, 1964.
- *4. Records and logs of selected wells and test borings, and chemical analyses of water in north-central Connecticut; R. V. Cushman, J. A. Baker, and R. L. Meikle, 1964.
- 5. Records of logs of selected wells and test borings, and chemical analyses of water in the Bristol-Plainville-Southington area, Connecticut; A. M. LaSala, Jr. and R. L. Meikle, 1964.
- 6. A preliminary appraisal of water quality in the Housatonic River basin in Connecticut; F. H. Pauszek and R. J. Edmonds, 1965.
- *7. Ground-water levels in Connecticut, 1960-1964; R. L. Meikle and J. A. Baker, 1965.
- *8. Water resources inventory of Connecticut, part 1, Quinebaug River basin; A. D. Randall, M. P. Thomas, C. E. Thomas, Jr., and J. A. Baker, 1966.
- 9. Hydrogeologic data in the Quinebaug River basin, Connecticut; C. E. Thomas, Jr., A. D. Randall, and M. P. Thomas, 1966.
- *10. Records and logs of selected wells and test borings, ground-water levels in selected observation wells, and freshwater inflow into the Connecticut River at the CANEL site, Middletown, Connecticut; J. A. Baker, 1966.
- *11. Water resources inventory of Connecticut, part 2, Shetucket River basin; M. P. Thomas, G. A. Bednar, C. E. Thomas, Jr., and W. E. Wilson, 1967.
- *12. Hydrogeologic data for the Shetucket River basin, Connecticut; C. E. Thomas, Jr., G. A. Bednar, M. P. Thomas, and W. E. Wilson, 1967.
- 13. Ground-water levels in Connecticut, 1965-1966; R. L. Meikle, 1967.
- *14. Ground-water resources of the Hamden-Wallingford area, Connecticut; A. M. LaSala, Jr., 1968.
- *15. Water resources inventory of Connecticut, part 3, lower Thames and southeastern coastal river basins, Connecticut; C. E. Thomas, Jr., M. A. Cervione, Jr., and I. G. Grossman, 1968.
- *16. Hydrogeologic data for the lower Thames and southeastern coastal river basins, Connecticut; M. A. Cervione, Jr., I. G. Grossman, and C. E. Thomas, Jr., 1968.
- 17. Water resources inventory of Connecticut, part 4, southwestern coastal river basins; R. B. Ryder, M. A. Cervione, Jr., C. E. Thomas, Jr., and M. P. Thomas, 1970.
- *18. Hydrogeologic data for the southwestern coastal river basins, Connecticut; M. P. Thomas, R. B. Ryder, and C. E. Thomas, Jr., 1969.
- 19. Water resources inventory of Connecticut, part 5, lower Housatonic River basin; W. E. Wilson, E. L. Burke, and C. E. Thomas, Jr., 1974.
- *20. Hydrogeologic data for the lower Housatonic River basin, Connecticut; I. G. Grossman and W. E. Wilson, 1970.
- 21. Water resources inventory of Connecticut, part 6, upper Housatonic River basin; M. A. Cervione, Jr., D. L. Mazzaferro, and R. L. Melvin, 1972.
- 22. Hydrogeologic data for the upper Housatonic River basin, Connecticut; R. L. Melvin, 1970.
- *23. A proposed streamflow data program for Connecticut; M. P. Thomas and M. A. Cervione, Jr., 1970.
- 24. Water resources inventory of Connecticut, part 7, upper Connecticut River basin, Connecticut; R. B. Ryder, L. A. Weiss, and M. P. Thomas, 1979.
- 25. Hydrogeologic data for the upper Connecticut River basin, Connecticut; R. B. Ryder and L. A. Weiss, 1971.
- 26. Hydrogeologic data for the Quinnipiac River basin, Connecticut, D. L. Mazzaferro, 1973.
- 27. Water resources inventory of Connecticut, part 8, Quinnipiac River basin, Connecticut, D. L. Mazzaferro, E. H. Handman, and M. P. Thomas, 1979.
- 28. Hydrogeologic data for the Farmington River basin, Connecticut, H. T. Hopkins and E. H. Handman, 1975.
- 29. Water resources inventory of Connecticut, part 9, Farmington River basin, Connecticut, F. P. Haeni, E. H. Handman, Hopkins, H. T., and M. P. Thomas, in preparation.
- 30. Hydrogeologic data for the lower Connecticut River basin, Connecticut, J. W. Bingham, L. A. Weiss, and F. D. Paine, 1975.
- 31. Water resources inventory of Connecticut, part 10, lower Connecticut River basin, Connecticut, L. A. Weiss, J. W. Bingham, and M. P. Thomas, in preparation.
- 32. Hydrogeologic data for South-Central Connecticut, F. P. Haeni and H. R. Anderson, 1980.

Connecticut Department of Environmental Protection Bulletins

- *1. Gazetteer of natural drainage areas of streams and water bodies within the State of Connecticut, M. P. Thomas, 1972.
- *2. Time of travel of a dye in Quinnipiac River, Connecticut; M. A. Cervione, Jr., 1972.

STATE OF CONNECTICUT
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Hydrogeologic data for the
lower Connecticut River basin,
Connecticut

By
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Prepared by the
U.S. Geological Survey
in cooperation with the
Connecticut Department of Environmental Protection

Connecticut Water Resources Bulletin No. 30

1975

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INTRODUCTION

This report contains geologic, ground-water, and miscellaneous data on the quality of surface water collected for a water-resources inventory of the lower Connecticut River basin, Connecticut. The study was made by the U.S. Geological Survey in fiscal cooperation with the Connecticut Department of Environmental Protection. A companion report (Connecticut Water Resources Bulletin No. 31, in preparation) interprets the factual information presented here or otherwise collected for the study.

The lower Connecticut River basin, as used in this report, has an area of 639 square miles in south-central Connecticut drained principally by the main stem of the Connecticut River, by its tributaries south of Wilcox Island, and by several smaller streams which drain directly to Long Island Sound. The study area includes all or parts of the following towns (followed by the abbreviations used for well and test hole numbers): Berlin (B), Bolton (B0), Chester (CH), Clinton (CL), Colchester (CO), Cromwell (CR), Deep River (DR), Durham (D), East Haddam (EHD), East Hampton (EHM), Essex (ES), Guilford (G), Haddam (HD), Hebron (HB), Killingworth (K), Lebanon (LB), Lyme (L), Madison (MA), Marlborough (MB), Middlefield (MF), Middletown (MT), New Britain (NB), Newington (N), Old Lyme (OL), Old Saybrook (OS), Portland (P), Salem (SM), and Westbrook (WB).

Information collected for this investigation from July 1970 to August 1972 was supplemented by that collected in previous investigations. Table 1 lists the well data compiled specifically for this project. Most of the wells were selected from Well Completion Reports in the files of the Connecticut Department of Environmental Protection. The primary criteria for selection were records of wells having a greater than 2-hour pumping test, depths of stratified drift or till penetrated greater than 20 or 30 feet, respectively, and a location map adequate to field locate the well. In addition, some of the data were selected

from published reports (Baker, 1966; Baker and others, 1965; Brown, 1928; Gregory and Ellis, 1916; and Waring, 1920). Some of these previously published well records have been given new well numbers or reassigned as test holes. Where a new number has been assigned, reference to the previously published number is given in the remarks column of table 1, Records of Wells, or in the heading for respective test holes in table 3, Logs of Selected Test Holes.

In some cases, the depth of a well in table 1 differs from its depth in table 2, Logs of Selected Wells, because the log shows the maximum depth drilled, not depth of the finished well shown in table 1.

Table 3 contains the logs of selected test holes drilled by the Bureau of Highways, Department of Transportation for foundation and depth to bedrock data and by several towns and companies for information on thickness and grain size of stratified-drift aquifers.

As part of the project, fifty test holes were augered by U.S. Geological Survey equipment and personnel to obtain geologic information in selected areas of stratified drift. The logs of these test holes are included in table 3 and sieve analyses of the samples collected from them are in table 4.

Table 5 contains chemical analyses of surface-water samples collected from 1956-1963. These analyses have not been published previously but were collected as basic data for previously published reports.

Data on streamflow, quality-of-water, and ground-water levels are published in many U.S. Geological Survey and State of Connecticut reports. These reports, type of data contained, and year of collection are listed in table 6. The data-collection sites and site-identification numbers within the study area are shown on plate A.

NUMBERING AND LOCATION SYSTEMS

Each well inventoried by the U.S. Geological Survey in Connecticut is identified by a letter abbreviation for the town in which it is located, as shown in the "Introduction," followed by a number in sequence. For example, the first well inventoried in Berlin is numbered B 1. Test holes are similarly identified using a second set of numbers in sequence that are followed by a "th" abbreviation; thus, the fourth test hole inventoried in Haddam is HD 4 th.

A 15-character location number based on latitude and longitude is also used. (See fig. 1.) The first seven characters consist of six digits representing degrees, minutes, and seconds of latitude at the well or test-hole site, and the letter N indicating north latitude. The next seven characters are digits representing degrees, minutes, and seconds of longitude. The last character is a decimal number assigned to all well and test hole location numbers indicating the sequence in which each well and test hole was inventoried within a 1-second quadrangle (about 100 x 75 ft) which is centered over the point located by the given latitude and longitude.

Streamflow and surface-water-quality collection sites are shown on plate A with an identification number. Each station or collection site has been assigned an 8-digit number that increases in a downstream direction. The numbers are not consecutive downstream to allow for new stations to be established. Surface-water-quality sampling sites located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station.

The use of station numbers commenced in water year (W.Y.) 1958 and were published in an abbreviated form through water year 1969. The full 8-digit number has been used without hyphen and decimal since the beginning of water year 1970. An example of the changes in station identification through the

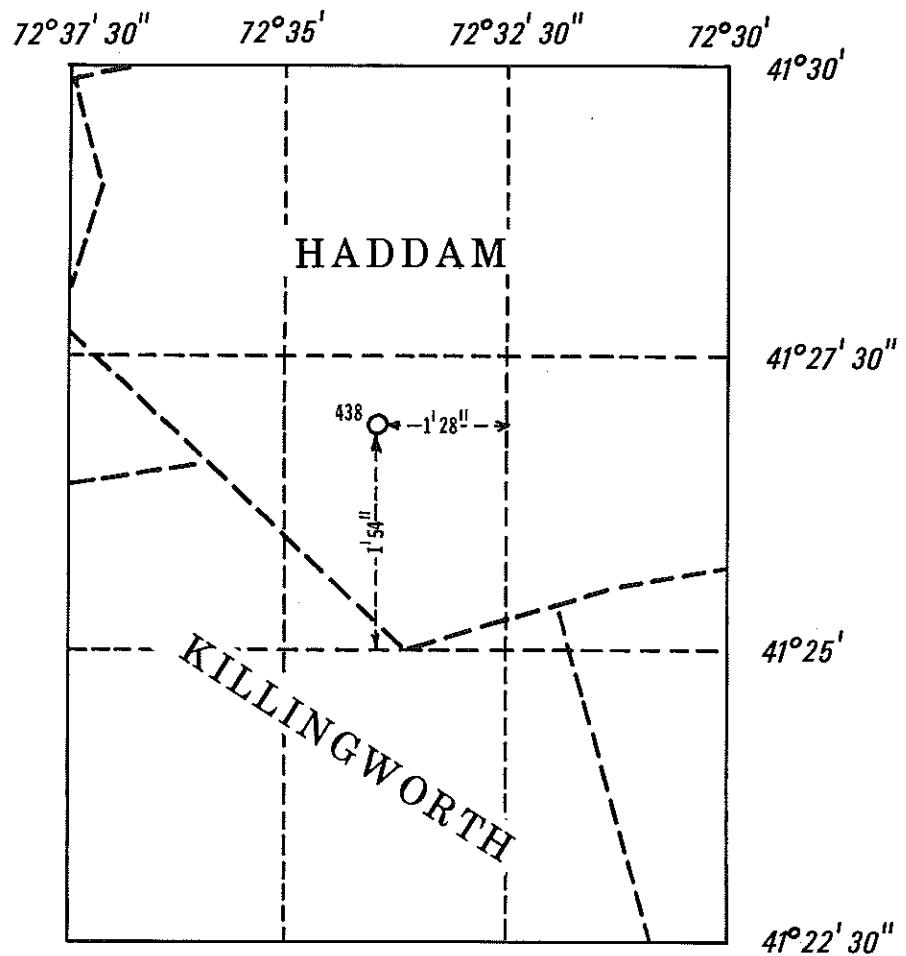


FIGURE 1--SKETCH ILLUSTRATING WELL AND TEST HOLE NUMBERING SYSTEM.
WELL 438 IN THE TOWN OF HADDAM IS LISTED IN TABLE 1 AS HD438,
WITH LOCATION NUMBER 412654N0723358.1.

years is shown below, with the stations listed in downstream order:

Station name (used before W.Y. 1958)	Station numbers (for W.Y. 1958-69)	Station numbers (for W.Y. 1970 and after)
Connecticut River at Middletown	I-1930	01193000
Connecticut River at Middle Haddam	I-1930.5	01193050

The I- for the 1958-69 water years, and the 01 for water years after 1970, identify the streams as being in the North Atlantic Slope Basin (Maine to Connecticut) in U.S. Geological Survey Water-Supply Papers.

SELECTED REFERENCES

Baker, J. A., 1966, Records and logs of selected wells and test borings, ground water levels in selected observation wells, and fresh water inflow into the Connecticut River at the CANEL site, Middletown, Connecticut: Connecticut Water Resources Bull. No. 10, 18 p.

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

Waring, G. A., 1920, Ground water in the Meriden area, Connecticut: U.S. Geol. Survey Water-Supply Paper 449, 83 p.

Weiss, L. A., and Bingham, J. W., in preparation, Water Resources Inventory of Connecticut, part 10, lower Connecticut River basin: Connecticut Water Resources Bull. No. 31.

TABLE I-RECORDS OF WELLS

LOCAL WELL NUMBER*	SEE TEXT FOR EXPLANATION OF NUMBERING SYSTEM AND PLATE 4 FOR LOCATION.	LOCATION NUMBER	SEE TEXT FOR EXPLANATION.	USE OF WATER;	A, AIR CONDITIONING	P, PUBLIC SUPPLY	
OWNER	RECORDED AT TIME OF INVENTORY. MAY NOT BE NAME OF PRESENT OWNER.	DOMESTIC	COMMERCIAL	R, RECREATION	H, STOCK SUPPLY		
ALTITUDE OF L.S.D.	LAND SURFACE DATUM AT WELL SITE IN FEET ABOVE MEAN SEA LEVEL. ESTIMATED FROM TOPOGRAPHIC MAPS WITH 10-FEET CONTOUR INTERVAL.	INDUSTRIAL	DOMESTIC	S, INSTITUTIONAL	T, INSTITUTIONAL		
WELL DEPTH:	FINISHED DEPTH OF WELL IN FEET BELOW LAND SURFACE.	DEPTH TO CONSOLIDATED ROCK:	DEPTH TO THE TOP OF BEDROCK IN FEET BELOW LAND SURFACE.	AND PERFORATED OR SLOTTED CASING.	NONCARBONATE CRYSTALLINE BEDROCK	NONCARBONATE CRYSTALLINE BEDROCK	NONCARBONATE CRYSTALLINE BEDROCK
MAJOR AQUIFER,	MAJOR AQUIFER,	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK
WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN	WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN	WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN	WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN
DATE WATER LEVEL MEASURED:	SHOWN AS NUMERICAL MONTH FOLLOWED BY THE YEAR.	YIELD:	THE REPORTED QUANTITY OF WATER, IN GALLONS PER MINUTE (GPM), DISCHARGED FROM WELL,	USUALLY BASED ON A SHORT DURATION PUMPING TEST.	USUALLY BASED ON A SHORT DURATION PUMPING TEST.	USUALLY BASED ON A SHORT DURATION PUMPING TEST.	USUALLY BASED ON A SHORT DURATION PUMPING TEST.
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LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTITUDE OF WELL (FEET)	WELL DEPTH (FEET)	CASING DIAMETER (IN.)	CASING LENGTH (FT)
B 14	413861N07226411.1	J GACEK	1935	90	143	6	47
B 20	413861N07226413.1	M GRAZIANO	1931	95	215	6	46
B 25	413861N07226424.1	FERNDALE DAIRY	1927	257	6	52	52
B 35	413861N07226406.1	PURE ICE CO	1927	150	6	60	60
R 38	413756N07244511.1	P GIANNI	1920	150	6	60	75
B 76	413755N07244226.1	C. L. P.	1924	95	110	6	28
B 167	413755N07244257.1	D WALIK	1924	260	120	6	16
B 221	413531N0724458.1	L DEVIVO	1920	250	105	6	16
B 297	413625N0724415.1	E BENEDICT	1951	68	185	6	48
	413648N0724409.1	F HOBART	1953	60	110	6	100
B 299	413732N0724228.1	J KANEKODI	1955	50	128	6	108
B 300	413734N0724427.1	GATEWAY RESTAURANT	1955	70	138	6	20
B 301	413750N0724412.1	JOHNSON'S DAIRY	1953	50	235	6	20
B 306	413733N0724439.1	JOHNSON GARDEN	1955	180	81	6	40
B 316	413647N0724424.1	L ABRAHAMSON	1947	205	150	6	10
B 317	413651N0724469.1	B. E. PERIAN	1955	104	104	6	50
B 318	413645N0724410.1	B. E. PERIAN	1955	130	102	6	40
B 323	413630N0724444.1	T G. WESSELS	1951	210	93	6	10
B 324	413526N0724521.1	F. G. ORCUTT	1950	240	175	6	34
	413507N072413.1	G. W. MACKENZIE	1950	265	50	6	20
B 326	413621N07242455.1	RAYMOND DIER	1932	187	6	—	20
B 364	413631N07242469.1	R. H. MARTINELLI	1964	50	400	8	31
A 366	413634N0724334.1	R. H. MARTINELLI	1965	50	190	6	90
A 367	413622N0724213.1	W. J. VIOLETTE	1964	210	157	6	23
B 368	413706N0724646.1	JOHN COCONO ASS	1965	622	173	6	73
B 369	413552N0724463.1	PROVIDENCE HILLS	1964	225	160	6	65
B 370	413339N0724404.1	EDWARD REINSON	1965	265	415	6	10
B 371	413331N0724431.1	LIBERTY IND INC	1966	323	175	6	84
B 372	413427N0724359.1	INDUSTRIAL SUPP	1967	50	290	6	65
B 373	413515N0724474.1	CONN FISH & GAME	1964	70	46	10	—
B 374	413558N0724429.1	GIRL SCOUTS	1965	145	40	6	21
R 375	413144N0724431.1	GEORGE FELLOWS	1965	145	250	6	22
R 376	413539N0724431.1	CITY OF MERIDEN	1965	215	210	10	33
R 377	413441N0724407.1	R. F. LAKARE	1964	70	140	6	64
B 378	413457N0724529.1	SKINNER INC	1966	52	300	8	37
B 379	413244N0724430.1	T. SHERMAN	1965	40	160	6	24
B 380	413555N0724420.1	CHEST TRACTOR	1965	185	325	6	65
B 381	413204N0724401.1	SABAR IND INC	1965	33	190	6	54
A 382	413408N0724758.1	JOSEPH TINKA	1963	212	110	6	34

LOCAL WELL NUMBER*	SEE TEXT FOR EXPLANATION OF NUMBERING SYSTEM AND PLATE 4 FOR LOCATION.	LOCATION NUMBER	SEE TEXT FOR EXPLANATION.	USE OF WATER;	A, AIR CONDITIONING	P, PUBLIC SUPPLY	
OWNER	RECORDED AT TIME OF INVENTORY. MAY NOT BE NAME OF PRESENT OWNER.	DOMESTIC	COMMERCIAL	R, RECREATION	H, STOCK SUPPLY		
ALTITUDE OF L.S.D.	LAND SURFACE DATUM AT WELL SITE IN FEET ABOVE MEAN SEA LEVEL. ESTIMATED FROM TOPOGRAPHIC MAPS WITH 10-FEET CONTOUR INTERVAL.	INDUSTRIAL	DOMESTIC	S, INSTITUTIONAL	T, INSTITUTIONAL		
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MAJOR AQUIFER,	MAJOR AQUIFER,	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK
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B 14	413861N07226411.1	J GACEK	1935	90	143	6	47
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B 25	413861N07226424.1	FERNDALE DAIRY	1927	257	6	52	52
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B 374	413558N0724429.1	GIRL SCOUTS	1965	145	40	6	21
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B 379	413244N0724430.1	T. SHERMAN	1965	40	160	6	24
B 380	413555N0724420.1	CHEST TRACTOR	1965	185	325	6	65
B 381	413204N0724401.1	SABAR IND INC	1965	33	190	6	54
A 382	413408N0724758.1	JOSEPH TINKA	1963	212	110	6	34

LOCAL WELL NUMBER*	SEE TEXT FOR EXPLANATION OF NUMBERING SYSTEM AND PLATE 4 FOR LOCATION.	LOCATION NUMBER	SEE TEXT FOR EXPLANATION.	USE OF WATER;	A, AIR CONDITIONING	P, PUBLIC SUPPLY	
OWNER	RECORDED AT TIME OF INVENTORY. MAY NOT BE NAME OF PRESENT OWNER.	DOMESTIC	COMMERCIAL	R, RECREATION	H, STOCK SUPPLY		
ALTITUDE OF L.S.D.	LAND SURFACE DATUM AT WELL SITE IN FEET ABOVE MEAN SEA LEVEL. ESTIMATED FROM TOPOGRAPHIC MAPS WITH 10-FEET CONTOUR INTERVAL.	INDUSTRIAL	DOMESTIC	S, INSTITUTIONAL	T, INSTITUTIONAL		
WELL DEPTH:	FINISHED DEPTH OF WELL IN FEET BELOW LAND SURFACE.	DEPTH TO CONSOLIDATED ROCK:	DEPTH TO THE TOP OF BEDROCK IN FEET BELOW LAND SURFACE.	AND PERFORATED OR SLOTTED CASING.	NONCARBONATE CRYSTALLINE BEDROCK	NONCARBONATE CRYSTALLINE BEDROCK	NONCARBONATE CRYSTALLINE BEDROCK
MAJOR AQUIFER,	MAJOR AQUIFER,	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK	GS, SEDIMENTARY BEDROCK
WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN	WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN	WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN	WATER LEVEL:	STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW LAND SURFACE. EXCLUDES ANY SCREEN
DATE WATER LEVEL MEASURED:	SHOWN AS NUMERICAL MONTH FOLLOWED BY THE YEAR.	YIELD:	THE REPORTED QUANTITY OF WATER, IN GALLONS PER MINUTE (GPM), DISCHARGED FROM WELL,	USUALLY BASED ON A SHORT DURATION PUMPING TEST.	USUALLY BASED ON A SHORT DURATION PUMPING TEST.	USUALLY BASED ON A SHORT DURATION PUMPING TEST.	USUALLY BASED ON A SHORT DURATION PUMPING TEST.
DRABOHN:	THE DIFFERENCE BETWEEN THE PREPUMPING WATER LEVEL AND THE FINAL WATER LEVEL DURING THE PUMPING TEST, EXPRESSED IN FEET.	DRABOHN:	THE DIFFERENCE BETWEEN THE PREPUMPING WATER LEVEL AND THE FINAL WATER LEVEL DURING THE PUMPING TEST, EXPRESSED IN FEET.	DRABOHN:	THE DIFFERENCE BETWEEN THE PREPUMPING WATER LEVEL AND THE FINAL WATER LEVEL DURING THE PUMPING TEST, EXPRESSED IN FEET.	DRABOHN:	THE DIFFERENCE BETWEEN THE PREPUMPING WATER LEVEL AND THE FINAL WATER LEVEL DURING THE PUMPING TEST, EXPRESSED IN FEET.
LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTITUDE OF WELL (FEET)	WELL DEPTH (FEET)	CASING DIAMETER (IN.)	CASING LENGTH (FT)
B 14	413861N07226411.1	J GACEK	1935	90	143	6	47
B 20	413861N07226413.1	M GRAZIANO	1931	95	215	6	52
B 25	413861N07226424.1	FERNDALE DAIRY	1927	257	6	52	52
B 35	413861N07226406.1	PURE ICE CO	1927	150	6	60	75
R 38	413756N07244511.1	P GIANNI	1920	150	6	60	75
B 76	413755N07244226.1	C. L. P.	1924	95	110	6	28
B 167	413755N07244257.1	D WALIK	1924	260	120	6	16
B 221	413531N0724458.1	L DEVIVO	1920	250	105	6	16
B 297	413625N0724415.1	E BENEDICT	1951	68	185	6	48
	413648N0724409.1	F HOBART	1953	60	110	6	100
B 299	413732N0724228.1	J KANEKODI	1955	50	128	6	108

TABLE I-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	WELL DEPTH (FT)	WELL DEPTH OF LSD (FT)	DEPTH TO CONSOLIDATED ROCK (FT)	CASTING DIA-METER (IN)	CASTING DEPTH (FT)	MAJOR AQUIFER (FT)	WATER LEVEL (FT)	DATE MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
B 383	413512N#0724755.1	THOMAS LUDDY	1971	235	95	32	26	RA	28	4-71	8	57	H	CA MEDIUM GRAVEL, 0-26FT.	
B 384	413513N#0724501.1	TOWN OF RERLIN	1967	40	51	43	58	00	5	8-67	10	21	U	CB1, SCR1:3-34FT, 5IN, 0-0IN, BACKFILLED W/GRAVEL, 60-87FT.	
B 385	413513N#0724432.1	TOWN OF RERLIN	1968	52	60	50	42	00	12	1-68	610	11	U	CB1, SCR1:3-34FT, 5IN, 0-0IN, BACKFILLED W/GRAVEL, 60-87FT.	
B 386	413513N#0724656.1	TOWN OF RERLIN	1968	129	52	12	44	00	0	3-68	350	29	P	CB1, SCR1:23-34FT, 50IN, 0-0IN, SURGED 3 DAYS, PURGED 3 HRS.	
B 387	413512N#0724656.1	TOWN OF RERLIN	1968	115	34	25	34	00	+1	4-68	160	6	P	CB1, SCR1:23-34FT, 50IN, 0-0IN, SURGED 3 DAYS, PURGED 3 HRS.	
B 388	413526N#0724650.1	TOWN OF RERLIN	1967	48	39	2	42	00	+2	2-67	50	14	U	CB1, CASING SLOTTED 34-38FT.	
B 389	413526N#0724650.1	TOWN OF RERLIN	1967	40	47	2	32	00	+1	2-67	37	18	U	CB1, CASING SLOTTED 34-38FT.	
B 390	413512N#0724433.1	TOWN OF RERLIN	1967	50	57	2	42	00	10	2-67	40	10	U	CB1, CASING SLOTTED 44-48FT.	
B 391	413512N#0724428.1	TOWN OF RERLIN	1967	52	57	2	42	00	18	2-67	30	—	U	CB1, CASING SLOTTED 44-48FT.	
B 392	413512N#0724502.1	TOWN OF RERLIN	1967	40	47	2	42	00	4	2-67	45	—	U	CB1, SCR1:36-38FT, 5IN, 0-050IN, SURGED 24HRS, PUMPED 24HRS.	
B 393	413514N#0724738.1	CONN FISH HATCH	1963	170	46	8	36	—	00	1	6-63	20	14	Z	CB1, SCR1:36-40FT, 8IN, 0-100IN, PUMPED 24HRS.
B 394	413516N#0724633.1	J LACROZ	1955	216	6	132	131	05	32	12-55	10	93	H	CB1, SCR1:38-42FT, 6IN, 0-25IN.	
B 395	413506N#0724430.1	A MEISTERING	1955	100	135	6	23	05	12	7-56	10	88	H	CB1, SCR1:38-42FT, 6IN, 0-25IN.	
B 396	413506N#0725210.1	ROWLAND PRODUCT	1965	150	173	6	29	—	05	3-65	10	22	H	CB1, SCR1:38-42FT, 6IN, 0-25IN.	
B 399	413517N#0724900.1	DORNFRUIT	1967	260	187	6	11	RA	8	5-65	25	29	H	CB1, SCR1:38-42FT, 6IN, 0-25IN.	
B 400	413515N#0724511.1	N E METALLURGY	1966	58	46	8	38	—	00	11	9-66	150	13	N	LS1, SCR1:38-40FT, 8IN, 0-100IN, PUMPED 24HRS.
B 402	413515N#0724511.1	CUSHMAN IND	1971	80	256	6	91	RA	RA	F	9-71	30	250	N	DD1, CLAY AND HARDAN, 0-80FT.
CH 251	412554N#0722643.1	G SPENCER	1956	200	6	8	6	55	00	75	1-56	8	125	H	TILL, 0-6FT.
CH 252	412554N#0722643.1	WILLIAM JONES	1959	25	143	6	63	00	30	12-59	3	153	R	CA1, SAND AND GRAVEL, 0-55FT.	
CH 253	412554N#0722643.1	CAMP HAZEN	1959	245	42	6	38	—	00	4	25	25	R	CA1, SCR1:38-42FT, 6IN, 0-25IN.	
CH 254	412534N#0722828.1	JAMES DELENO	1964	205	6	31	20	00	15	12-64	—	185	H	SAND AND GRAVEL, 0-20FT.	
CH 255	412522N#0723105.1	ANDUAR	1966	325	6	37	29	00	35	6-71	1	290	H	SAND AND GRAVEL, 0-20FT.	
CH 256	412505N#0722722.1	KEYSTON MASONRY	1968	310	310	6	60	49	00	70	1-68	18	H	TILL, 0-49FT.	
CH 257	412505N#0722722.1	PETER WYNN	1966	285	6	17	2	00	157	5-66	15	30	H	SAND AND GRAVEL, 0-44FT.	
CH 258	412525N#0723053.1	JAMES VAN DYKE	1971	310	145	6	50	41	00	18	5-71	30	127	H	SAND AND GRAVEL, 0-44FT.
CH 259	412558N#0722507.1	LAWRENCE PORTER	1970	261	6	52	42	00	23	1-70	2	238	H	SAND AND GRAVEL, 0-42FT.	
CH 260	412557N#0722507.1	LAWRENCE PORTER	1970	180	246	6	50	41	00	30	6-71	2	210	H	SAND AND GRAVEL, 0-42FT.
CH 261	412557N#0722507.1	JOHN ARRONI	1965	170	160	6	23	18	00	22	0-65	4	138	H	SAND AND GRAVEL, 0-42FT.
CH 262	412557N#0722507.1	ARTHUR CO	1965	75	400	6	29	21	00	145	0-68	4	394	H	SAND AND GRAVEL, 0-42FT.
CH 263	412521N#0722507.1	J RONGOVANI	1965	230	400	6	22	3	00	145	0-65	2	255	H	CA1, SCR1:60-80FT, MULTIPLE SET, 90FT, 118-5HRS. WEISS 7.
CH 264	412515N#0722642.1	K SCHWARZKOPF	1966	355	6	47	40	00	48	1-66	2	307	H	TILL, 0-40FT.	
CH 265	412515N#0722642.1	KEYSTONE ASNSR	1971	250	6	42	36	00	35	6-71	22	225	H	TILL, 0-36FT.	
CH 266	412444N#0722631.1	JOHN WIGREN	1971	245	6	42	36	00	45	6-71	22	—	H	CAT1, SAND, 0-37FT.	
CH 267	412422N#0722554.1	CONN WATER CO	1966	4	42	2	72	—	00	2	1-66	52	—	P	CB1, SCR1:70-75FT, 2IN, 0-020IN.
CH 268	412423N#0722554.1	CONN WATER CO	1956	4	40	2	70	—	00	2	1-66	63	58	P	CB1, SCR1:70-75FT, 2IN, 0-020IN.
CL 190	41174N#0723145.1	CONN WATER CO	1964	29	80	12	60	—	00	3	11-64	1000	44	P	CALL SCR1:60-80FT, MULTIPLE SET, 90FT, 118-5HRS. WEISS 7.
CL 191	41172N#0723050.1	CONN WATER CO	1967	100	160	12	82	—	00	3	5-67	890	38	P	CALL SCR1:62-100FT, 2IN, 0-020IN.
CL 192	41172N#0723050.1	BRICKETT	1955	44	93	10	6	00	30	9-65	7	90	H	TILL, 0-6FT.	
CL 193	41173N#0723111.1	T HEPPINGFR	1957	33	120	6	34	32	00	20	1-57	12	120	H	SAND AND GRAVEL, 0-32FT.
CL 194	41174N#0723037.1	L CRANE	1956	102	93	6	11	7	00	20	8-56	7	—	H	TILL, 0-32FT.
CL 195	411805N#0723029.1	M G SHEPENS	1956	50	207	6	8	5	00	14	8-56	16	105	H	TILL, 0-55FT, YIELD INADEQUATE FOR TREE NURSERY.
CL 196	411824N#0723139.1	JOHN STARKS	1955	182	140	6	29	4	00	18	12-56	2	135	H	TILL, 0-48FT.
CL 197	411825N#0723054.1	M WICKS	1955	174	195	6	195	60	00	9	5-56	6	90	H	TILL, 0-48FT.
CL 198	411825N#0723054.1	CONN WATER CO	1966	207	84	6	66	—	00	3	7-66	575	34	P	CB1, SCR1:66-84FT, 8IN, 0-020IN.
CL 200	41174N#0723046.1	CONN WATER CO	1966	10	83	8	73	—	00	7	2-66	402	—	P	CB1, SCR1:73-83FT, 8IN, 0-020IN.
CL 201	41174N#0723046.1	R A E BLDG CO	1971	52	115	6	25	18	00	21	6-71	30	154	H	TILL, 0-8FT.
CL 202	41174N#0723046.1	R A E BLDG CO	1971	60	175	6	24	18	00	21	8-71	12	154	H	TILL, 0-8FT.
CL 203	411822N#0723212.1	ARTHUR HEZER	1965	82	96	6	25	19	00	16	2-65	7	74	H	TILL, 0-19FT.
CL 204	411822N#0723071.1	RICHARD DAUM	1964	60	222	6	22	17	00	17	5-64	30	205	H	TILL, 0-19FT.
CL 205	411650N#0723301.1	HARNETT DEVELOP	1968	200	6	38	31	00	30	5-68	10	150	H	TILL, 0-31FT.	
CL 206	411633N#0723234.1	HAMILTON BLDS	1971	188	225	70	53	00	20	12-71	4	205	H	TILL, 0-55FT.	
CL 207	411632N#0723234.1	HAMILTON BLDS	1971	300	6	58	65	00	20	12-71	2	280	H	TILL, 0-55FT.	
CL 208	411630N#0723242.1	HAMILTON BLDS	1971	192	225	6	70	65	00	20	12-71	5	205	H	TILL, 0-55FT.
CL 209	411630N#0723242.1	GEORGE ROLLAR	1971	70	318	6	80	71	00	20	12-71	6	290	H	TILL, 0-55FT.
CL 210	411621N#0723154.1	RICHARD PIERCE	1971	45	235	6	40	31	00	20	7-71	3	215	H	SAND, 0-31FT.
CL 211	411621N#0723154.1	WAGNER REAL EST	1968	40	160	6	40	28	00	20	12-68	60	140	H	TILL, 0-31FT.
CL 212	411718N#0723046.1	TRANS COUNTRY HHS	1964	110	210	6	68	51	00	26	7-64	20	172	H	L, TILL, 0-68FT.
CL 213	411715N#0723046.1	FRANK MUNER	1965	110	160	6	75	68	00	25	4-65	5	135	H	TILL, 0-68FT.
CL 214	411651N#0723050.1	JOHN COYE	1965	65	100	6	12	2	00	20	11-65	7	92	H	L, TILL, 0-68FT.
CL 215	41174N#0723121.1	CONN WATER CO	1966	7	88	8	78	—	00	3	12-66	50	67	P	L, TILL, 0-68FT.
CL 216	413350N#0722336.1	COL WATER DEPT	1950	310	58	12	48	—	00	7	5-54	200	6	P	CA1, SCR1:46-80FT, 8IN, 0-020IN.
CL 217	413350N#0722336.1	COL WATER DEPT	1950	318	317	12	48	—	00	3	5-71	70	—	P	CA1, SCR1:46-80FT, 8IN, 0-020IN.
CL 218	413350N#0722336.1	COL WATER DEPT	1950	318	24	48	—	00	3	5-71	—	—	P	CA1, SCR1:46-80FT, 8IN, 0-020IN.	
CL 219	413350N#0722336.1	COL WATER DEPT	1950	75	65	16	48	—	00	9	5-69	195	55	P	CA1, SCR1:46-80FT, 8IN, 0-020IN.
CL 220	413350N#0722336.1	COL WATER DEPT	1969	625	285	16	36	10	00	20	3-69	250	250	H	SAND, 0-31FT.
CL 221	413350N#0722336.1	COL WATER DEPT	1969	625	285	6	45	36	00	20	3-69	4	395	C	CATCHMENT SITE, WITH CO 34-14FT, TILL, 0-68FT.
CL 222	413350N#0722336.1	COL WATER DEPT	1969	625	285	6	45	36	00	20	3-69	1	680	C	SAND, 0-31FT.
CL 223	413350N#0722336.1	COL WATER DEPT	1969	625	285	6	45	36	00	20	3-69	1	680	C	CATCHMENT SITE, WITH CO 34-14FT, TILL, 0-68FT.
CL 224	413350N#0722336.1	COL WATER DEPT	1969	625	285	6	45	36	00	20	3-69	1	680	C	SAND, 0-31FT.
CL 225	413350N#0722336.1	COL WATER DEPT	1969	625	285	6	45	36	00	20	3-69	1	680	C	CATCHMENT SITE, WITH CO 34-14FT, TILL, 0-68FT.
CL 226	413350N#0722336.1	COL WATER DEPT	1969	625	285	6	45	36	00	20	3-69	1	680	C	SAND, 0-31FT.
CL 227	413350N#0722336.1	COL WATER DEPT	1969	625	285	6	45	36	00	20	3-69	1	680	C	SAND, 0-31FT.
CL 228	413350N#0722336.1	COL													

TABLE I-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALT- ITUDE OF LSD (FT.)	WELL DEPTH (FT.)	CASING- DIA- METER (IN.)	CASING- DEPTH (FT.)	DATE CONSOLID- ED (YEAR)	DEPTH TO CONSOLID- ED ROCK (FT.)	MAJOR AQUIFER (FT.)	WATER LEVEL MEASURED (FT.)	DATE WATER LEVEL MEASURED (FT.)	YIELD (GPM)	DRAW DOWN (FT.)	USE OF WATER	REMARKS
TOWN OF COLUMBIA-CONT.																
CO 325	413655N 6721947.1	COL WATER DEPT	1967	54	420	2	48	1961	14	14	6	12-67	50	4	U	SCRN 48-58FT, 2IN., 060IN SAND, 0-58FT, SOME GRAVEL, 37-58FT.
CO 326	413655N 6722562.1	W R BODDY	1961	52	220	40	33	1961	25	10	12	12-61	18	16	H	
CO 327	413655N 6722562.1	P KNIGHT	1961	52	42	6	15	1961	10	05	7	12-61	18	63	H	
CO 328	413655N 6722562.1	T KIRACHUK	1962	45	450	6	15	1961	12	05	7	7-62	5	52	H	
CO 329	413655N 6722562.1	P DODNESS	1962	430	60	6	13	1962	10	05	6	7-62	7	54	H	
CO 330	413655N 6722562.1	R MAYER	1964	264	67	6	35	1964	16	05	16	7-64	14	58	H	CA SAND AND GRAVEL, 0-10 FT.
CO 331	413655N 6722562.1	JHM BUNES	1971	415	340	6	21	1971	10	05	25	8-71	1	315	C	CA COMPOSITE WITH CO 323, TILL, 0-30FT.
CO 332	413655N 6722562.1	TRI-TOWN PLAZA	1971	565	225	6	41	1971	31	05	43	2-71	26	182	C	
CO 333	413655N 6722562.1															
CO 334	413655N 6722562.1															
CR 82	413622N 672242.1	J W KRISHAN	1915	42	94	6	67	1915	66	05	25	5-15	2	—	S	STRATIFIED DRIFT, 0-65FT.
CR 88	413622N 672242.1	T & S HAZELWOOD	1917	40	150	6	10	1917	10	BA	10	—	4	—	H	CA.
CR 98	413622N 672242.1	A LEVAILLE	1924	65	145	6	15	1924	10	05	36	9-17	2	—	H	WELL DID NOT REACH BEDROCK.
CR 136	413622N 6722407.1	A PETERSON CO	1924	40	250	6	60	1924	145	—	30	10-24	15	—	H	CA, TILL, 0-60FT.
CR 187	413622N 6722407.1	ALBERT EASER	1929	140	115	6	60	1929	115	05	25	12-37	16	—	H	TILL, 0-60FT.
CR 188	413622N 6722407.1	R EWALD	1929	140	182	6	70	1929	67	05	60	7-53	7	60	H	WB-AT 15FT(20PM) AND 17-18FT(15PM).
CR 247	413711N 6724-032-1	G RAND	1953	120	108	6	42	1953	42	05	30	7-55	10	35	H	K340-L, 15FT(20PM) AND 17-18FT(15PM).
CR 251	413711N 6724-032-1	S KALISH	1955	130	129	6	38	1955	38	05	22	9-55	10	38	H	COARSE SAND, 0-20FT, FINE SAND, 20-38FT.
CR 256	413711N 6724-032-1	A I LINDBERG	1956	140	130	6	54	1956	40	05	50	1-56	8	40	H	HARDPAN AND SAND, 0-190FT(GRAVEL, 190-195FT).
CR 264	413711N 6724-032-1	NORMAN LEHORN	1956	145	195	6	195	1956	—	05	30	7-56	25	75	H	SAND AND GRAVEL, 0-44FT.
CR 268	413712N 6724-032-1	A GEITMOR	1956	136	125	6	48	1956	44	05	30	8-56	8	50	H	TILL, 0-52FT.
CR 273	413712N 6724-032-1	J DITMAGRO	1958	80	145	6	52	1958	52	05	45	4-58	7	135	H	TILL, 0-60FT(GRAVEL AT BOTTOM).
CR 274	413712N 6724-032-1	J TOCHKO	1944	140	60	6	60	1944	77	—	40	—	4	—	H	SAND AND SILT, 0-45FT(15PM) AND 90FT(7.5PM).
CR 312	413708N 6724-032-1	F SESENSEN	1956	150	182	6	48	1956	45	05	30	4-56	15	—	H	TILL, 0-60FT.
CR 313	413712N 6724-032-1	A RUSSELL	1955	150	198	6	44	1955	40	05	30	8-55	4	40	H	DRILLED UP NEARBY WELLS WHEN PUMPED, ABANDONED.
CR 314	413712N 6724-032-1	S PIRUZZELLO	1955	77	105	6	65	1955	12	05	15	9-55	15	45	H	SANDY HARPLAN, 0-2FT.
CR 315	413712N 6724-032-1	N MURKIN CO	1955	25	100	6	12	1955	12	05	6	6	6	64	H	K2010 GRAVEL AND BOULDER, 0-40FT.
CR 316	413712N 6724-032-1	V SALVATORE	1955	30	105	6	13	1955	—	05	15	9-55	15	—	H	K2010 GRAVEL AND BOULDER, 0-40FT.
CR 317	413712N 6724-032-1	H MELMER	1955	65	137	6	43	1955	42	05	20	8-55	12	55	H	K2010 GRAVEL AND BOULDER, 0-40FT.
CR 321	413712N 6724-032-1	E S FRANKLIN JR	1956	130	287	6	175	1956	175	05	26	4-56	15	34	H	SAND, 0-42FT.
CR 326	413712N 6724-032-1	LEGHORN NURSERY	1956	145	287	6	138	1956	138	05	30	4-56	15	105	H	K320-L, 15FT(20PM) CLAY AND HARDPAN, 0-38FT.
CR 328	413712N 6724-032-1	P BISHOP	1956	130	114	6	64	1956	59	05	20	8-66	20	116	H	K320-L, 15FT(20PM) CLAY AND HARDPAN, 0-38FT.
CR 329	413712N 6724-032-1	F BRAUER	1956	128	100	6	64	1956	—	05	25	7-67	8	79	H	K250-L, TRAPROCK EXPOSED NEARBY.
CR 330	413712N 6724-032-1	DONALD LUCCO	1957	165	30	6	61	1957	61	05	22	3-66	3	225	H	K250-L, CLAY, 0-42FT.
CR 331	413712N 6724-032-1	F PALINO	1957	160	265	6	98	1957	85	05	40	7-77	4	—	H	K240-L, SAND, 0-45FT.
CR 325	413712N 6724-032-1	CHM AUTO BODY	1961	125	130	6	52	1961	41	05	20	12-58	11	110	H	K200 SAND, 0-45FT.
CR 326	413712N 6724-032-1	MICELLO ASSOC	1961	135	250	6	60	1961	51	05	20	15-71	15	215	H	K200-L, CLAY AND HARDPAN, 0-52FT.
CR 328	413712N 6724-032-1	J COCHOW ASSOC	1964	25	195	6	104	1964	104	05	4	6-64	3	240	H	K240-L, CLAY, 0-52FT.
CR 329	413712N 6724-032-1	C CROWELL	1966	105	250	6	23	1966	57	05	25	7-66	16	170	H	K240-L, CLAY, 0-52FT.
CR 330	413712N 6724-032-1	P KRASHAN	1967	130	250	6	137	1967	137	05	25	7-66	16	150	H	K240-L, CLAY, 0-52FT.
CR 331	413712N 6724-032-1	C SCHAFFNER	1967	140	340	6	18	1967	42	05	20	12-65	10	140	H	K240-L, CLAY, 0-52FT.
CR 332	413712N 6724-032-1	MHS & RUSSELL	1967	125	195	6	52	1967	52	05	20	15-66	6	161	H	K240-L, CLAY, 0-52FT.
CR 333	413712N 6724-032-1	H SZYKANSKI	1967	105	240	6	23	1967	3	05	10	4-65	3	240	H	K240-L, CLAY, 0-52FT.
CR 334	413712N 6724-032-1	F FIEKET	1968	80	250	6	13	1968	13	05	25	7-66	16	150	H	K240-L, CLAY, 0-52FT.
CR 335	413712N 6724-032-1	RICHARD WSE	1968	110	275	6	137	1968	137	05	25	8-64	16	150	H	K240-L, CLAY, 0-52FT.
CR 336	413712N 6724-032-1	A CLAW FG	1968	130	200	6	201	1968	45	05	20	12-65	10	140	H	K240-L, CLAY, 0-52FT.
CR 337	413712N 6724-032-1	M GUELLINO	1968	120	145	6	55	1968	44	05	20	12-65	10	150	H	K240-L, CLAY, 0-52FT.
CR 338	413712N 6724-032-1	P GOODMAN	1968	115	200	6	75	1968	75	05	20	12-65	10	150	H	K240-L, CLAY, 0-52FT.
CR 340	413712N 6724-032-1	F MONIES	1967	140	145	6	30	1967	14	05	20	10-67	10	125	H	TILL, 0-14FT.
CR 341	413712N 6724-032-1	D DECHY	1965	110	130	6	76	1965	14	05	18	12-67	10	140	H	K240-L, CLAY, 0-52FT.
CR 342	413712N 6724-032-1	A HABRO	1965	125	220	6	70	1965	59	05	20	11-68	10	120	H	K240-L, CLAY, 0-52FT.
CR 343	413712N 6724-032-1	S BRANTFIRE	1965	120	190	6	57	1965	41	05	20	10-68	10	120	H	K240-L, CLAY, 0-52FT.
CR 344	413712N 6724-032-1	M E SERILLO	1970	130	145	6	70	1970	62	05	25	12-70	5	—	C	K240-L, CLAY, 0-52FT.
CR 345	413712N 6724-032-1	C. JOHNSON	1965	165	175	6	75	1965	65	05	20	7-66	4	145	H	TILL, 0-67FT.
CR 346	413712N 6724-032-1	TORTS PGS STAFF	1967	140	160	6	23	1967	66	05	20	3-67	7	52	H	K240-L, CLAY, 0-52FT.
CR 347	413712N 6724-032-1	CHARLES CITA	1965	160	160	6	42	1965	66	05	20	3-65	10	140	H	K240-L, CLAY, 0-52FT.
CR 348	413712N 6724-032-1	W SZYMANSKI	1965	135	145	6	76	1965	75	05	20	3-65	35	120	H	K240-L, CLAY, 0-52FT.
CR 349	413712N 6724-032-1	F PALINO	1971	120	245	6	84	1971	72	05	36	8-71	—	—	H	K240-L, CLAY, 0-52FT.
CR 350	413712N 6724-032-1	S CANATA	1972	30	210	6	18	1972	5	05	25	7-72	4	167	C	LTP 70HRS, K240-L, CLAY, 0-52FT.
CR 351	413712N 6724-032-1	C. CANATA	1972	25	232	6	45	1972	45	05	20	8-72	12	173	C	K240-L, CLAY, 0-52FT.
CR 352	413712N 6724-032-1	C. CANATA	1970	65	231	6	42	1970	42	05	6	1-70	70	12	H	K240-L, CLAY, 0-52FT.
CR 353	413712N 6724-032-1	C. CANATA HILLS	1970	28	231	6	42	1970	42	05	6	1-70	70	12	H	K240-L, CLAY, 0-52FT.
DR 1	412244N 6722551.1	TESS CARNINI	1965	50	105	6	21	21	21	05	25	11-55	5	95	H	
DR 2	412244N 6722551.1		1965	50	105	6	21	21	21	05	25	11-55	5	95	H	
DR 3	412244N 6722551.1	L BLAIR	1955	70	125	6	32	1955	102	05	20	10-55	5	115	H	
DR 4	412244N 6722551.1	RIGGS	1955	95	175	6	42	1955	76	05	20	12-65	10	140	H	
DR 5	412244N 6722551.1	M HASETTI	1955	100	100											

TABLE I-REGISTERS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	WELL- TIDE- LEVEL (FT)	WELL- DEPTH (FT)	CASING DIAM- ETER (IN)	CASING DEPTH (FT)	CASTING ROCK (FT)	MAJOR AQUIFER (FT)	WATER LEVEL (FT)	DATE WATER LEVEL MEASURED (GPW)	DRAW DOWN (FT)	USE OF WATER	REMARKS	
DR 7	412151N0722813.1	WILLIAM FRITZES	1962	220	6	31	20	DC	25	9-62	1	195	H	SAND AND GRAVEL, 0-20FT.	
DR 8	412152N0722656.1	THOMAS BRESLIN	1971	210	6	16	35	0C	30	9-71	65	H	H	SAND AND TILL, 0-35FT.	
DR 9	412151N0722456.1	MERIAN SUD	1971	25	6	40	35	0C	25	3-71	4	—	H	SAND AND TILL, 0-75FT.	
DR 10	412151N0722746.1	J RATKO JR	1971	145	6	37	—	0D	10	3-71	6	137	H	TILL, 0-30FT.	
DR 11	412151N0722456.1	IVING CHASE	1966	25	6	37	30	0C	3	1-66	4	—	H	TILL, 0-10FT.	
DR 12	412137N0722932.1	PAUL LOMBARDI	1969	365	6	21	10	DC	19	10-69	20	111	H	L, WAD AT 90FT (1GPW) AND 255-260FT (1.5GPW).	
DR 13	412122N0722901.1	W M MALARNE	1966	300	6	265	43	30	0C	10	9-66	2	—	H	
DR 14	412122N0722901.1	W M MALARNE	1970	270	6	20	10	DC	20	10-70	45	110	H	100FT.	
DR 15	412121N0722016.1	E LEVY	1971	345	6	225	20	8	0C	50	4-71	8	175	H	
DR 16	412155N0722924.1	E LAWRENCE	1965	315	6	32	38	0C	6	10-65	20	4	H	TILL, 0-38FT, TP 24HRS.	
DR 17	412130N0722427.1	JOSEPH BELLA	1965	230	6	16	7	DC	6	1-65	2	242	H	CA, TILL, 0-34FT.	
DR 18	412144N0722634.1	ARTHUR MENZEL	1963	75	6	43	34	0C	14	12-63	15	61	H	CA, SAND AND GRAVEL, 0-48FT.	
DR 19	412124N0722555.1	RICHARD TANNIN	1964	60	6	122	6	24	0C	6	4-64	10	114	H	
DR 20	412154N0722659.1	HAROLD LATHAM	1971	85	6	150	31	25	0C	30	9-71	12	—	H	
D 18	412173N0724245.1	H CHISZENSKY	1934	240	6	100	10	05	100	6-34	10	—	S	CA, CH, REPORTED TO HAVE AN SOFT HEAD AT ONE TIME.	
D 20	412173N0724159.1	TONY CALTABIANO	1988	170	6	98	2	—	05	F	12-71	3	—	S	
D 24	412124N0724030.1	H F GARRETT	1931	330	6	116	10	0C	22	6-31	4	—	H		
D 25	412124N0724029.1	F BURR	1932	350	6	110	4	20	10-32	4	—	S	TILL, 0-50FT.		
D 26	412126N0724343.1	J R CLARK	1926	235	6	115	60	05	05	6	—	S	SAND, 0-18FT.		
D 29	412126N0724552.1	C ARRIGONI	1933	210	6	138	30	1A	0C	2	7-33	11	2	H	
D 41	412128N0724401.1	WIL TRAP ROCK CO	1954	350	10	325	8	0	05	0	9-54	60	20	H	
D 50	412121N0724130.1	DURHAM CTR CO	1954	200	6	200	30	22	05	20	6-65	18	—	H	
D 51	412124N0724106.1	J OTLE	1955	190	6	180	109	90	05	80	8-59	10	30	H	
D 52	412125N0724145.1	P CARTA	1954	240	6	136	130	05	20	11-60	20	125	H		
D 53	412125N0724128.1	JAMES BLOIS	1956	230	6	119	53	50	05	25	8-56	4	35	H	
D 54	412124N0724035.1	HAN CICHON	1955	120	6	50	46	05	0	9-55	6	90	H		
D 55	412120N0724056.1	JENSONS INC	1955	225	6	132	13	4	05	25	8-55	20	125	H	
D 56	412121N0724116.1	F LAURINZA	1955	160	6	120	12	6	05	15	8-55	30	150	H	
D 57	412125N0724101.1	W PARSONS CO	1956	280	6	132	8	41	05	15	2-55	30	135	H	
D 58	412123N0723934.1	V N BALDWIN	1958	320	6	33	25	20	05	30	1-58	5	—	H	
D 59	412124N0724051.1	DURHAM MFG CO	1962	220	750	6	84	47	12	05	30	370	H	TILL, 0-12FT.	
D 60	412123N0724022.1	DURHAM ELEM SCH	1962	198	255	6	20	18	7	05	2	168	H	K300FT SAND, 0-37FT, TP 23HRS.	
D 61	412123N0724042.1	G S CURTIS	1961	365	200	6	19	18	7	05	20	180	H	K300FT SAND, 0-37FT.	
D 62	412123N0724147.1	IRVING GRISSEMAN	1959	160	6	97	19	7	05	15	8-61	22	180	H	
D 63	412123N0724044.1	W HURBARD	1963	220	6	250	41	20	05	20	5-59	6	92	H	
D 64	412124N0724242.1	R JURCIWAK	1969	290	6	138	67	42	05	10	5-69	7	30	H	
D 65	412124N0724221.1	E H GRISWOLD	1964	240	110	6	21	48	7	05	10-64	4	169	H	
D 66	412124N0724222.1	HENRY PUGAT	1966	255	110	6	22	19	05	10	12-66	30	120	H	
D 67	412124N0724355.1	F J PYSAV	1968	460	180	6	22	19	05	10	8-62	22	170	H	
D 68	412124N0724044.1	C CAMPBELL	1971	315	85	6	23	10	05	15	4-71	22	170	H	
D 69	412108N0724153.1	JAMES BREAN	1966	300	175	6	20	71	2	8A	20	10-66	5	110	H
D 70	412121N0724128.1	R MOORE	1967	300	175	6	23	11	2	8A	20	9-72	6	145	H
D 71	412121N0724204.1	F S TUBBY	1965	230	235	6	11	21	2	8A	20	12-65	6	195	H
D 72	412121N0724202.1	ARNER NEWTON	1971	380	235	6	45	22	9	05	40	7-71	60	150	H
D 73	412124N0723917.1	J SORIA	1970	150	175	6	21	21	9	05	25	7-71	60	150	H
D 74	412136N0723902.1	R NEWTON	1968	400	205	6	20	14	5	05	1A	4-68	22	187	H
D 75	412120N0724029.1	COLGROVE	1965	250	175	6	14	14	3	05	20	5-65	4	155	H
D 76	412120N0724012.1	GOODWIN	1967	260	237	6	64	18	5A	05	30	5-67	4	207	H
D 77	412120N0723947.1	DAN BARRETT	1966	260	220	6	26	18	18	05	30	6-66	18	217	H
D 78	412124N0724056.1	CARL HECK	1968	225	190	6	30	9	05	20	12-68	30	170	H	
D 79	412123N0724052.1	V SZPAROWSKI	1967	340	143	6	26	20	05	20	1-67	12	123	H	
D 80	412124N0723953.1	P PALMER	1968	275	175	6	19	15	05	20	10-67	4	155	H	
D 82	412121N0723812.1	M PETROCELLI	1968	590	200	6	17	6	05	20	5-68	30	180	H	
D 83	412120N0723904.1	S WEGENER CONST	1971	550	475	6	21	4	05	21	8-71	1	454	H	
D 84	412120N0724056.1	M CAMIZZI	1965	315	235	6	13	2	05	7	12-65	6	228	H	
D 85	412120N0724010.1	ETON WAY	1967	370	115	6	20	10	05	19	9-65	10	96	H	
D 86	412124N0723956.1	W KACZINSKI	1967	385	115	6	20	8	05	10	4-67	45	105	H	
D 87	412124N0723955.1	J SORIA JR	1967	380	145	6	23	10	05	20	1-67	13	125	H	
D 88	412120N0724005.1	FRED SHINE	1968	435	220	6	19	5	05	20	4-68	18	200	H	
D 89	412125N0724044.1	A BERTUGLIA	1964	365	355	6	21	3	05	40	7-64	15	315	H	
D 90	412123N0724052.1	LEON WAY	1966	190	145	6	22	13	05	12	1-66	8	103	H	
D 91	412121N0724103.1	L MARKHAM	1966	230	145	6	21	10	05	20	8-66	15	203	H	
D 92	412121N0724122.1	A PANTIDIANA	1964	290	145	6	22	13	05	20	9-64	5	508	H	
D 93	412121N0724111.1	DANIEL KELLISH	1966	265	170	6	21	10	05	20	12-64	8	103	H	
D 94	412121N0724237.1	DODGE STAIAK	1967	340	115	6	25	17	05	24	11-67	50	91	H	
D 95	412121N0724224.1	JOHN SOFFER	1967	310	100	6	24	23	05	20	11-64	8	80	H	
D 96	412125N0724205.1	S PASANETTI	1967	285	115	6	20	4	05	20	5-67	60	105	H	
D 97	412122N0724220.1	RICHARD JOHN	1968	280	175	6	31	21	05	25	1-65	6	150	H	
D 98	412122N0724230.1	A GARANGELLO	1965	280	325	6	21	4	05	21	11-65	18	304	H	

TABLE I-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	WELL- TUBE- DEPTH (FT.)	WELL- DEPTH (FT.)	DATE TO CONSOLID- ATED (FT.)	CASING DEPTH (IN.)	CASING DIAM- ETER (IN.)	ROCK ADAPTER	WATER LEVEL (FT.)	WATER LEVEL MEASURED	YIELD (GPM)	DRAW DOWN (FT.)	USE OF WATER	REMARKS
D 99	412715407242361	ROBERT MARCIN	1968	250	6	2ft	3	05	20	6-68	4	230	H	K300TILL, 0-25FT.	
D 100	412435407242311	RICHARD NORSE	1966	250	6	40	21	05	10	12-66	18	135	H	K400TILL, 0-67FT.	
D 101	412408407239111	DAEZE BROS	1964	135	6	102	67	05	30	12-64	10	100	H	K400TILL, 0-67FT.	
D 102	412451407240511	JAMES RICCO	1965	315	100	35	28	05	20	10-66	7	90	H	K350TILL, SAND AND GRAVEL OVER TILL, 0-26FT.	
D 103	412451407240511	JAMES RICCO	1966	315	6	20	10	05	20	10-66	11	110	H	K350TILL, SAND AND GRAVEL OVER TILL, 0-26FT.	
D 104	412406407239511	CLARENCE CASE	1970	305	115	6	40	21	05	12-70	22	93	H	K400TILL, 0-25FT.	
D 105	412423407244011	FORLINE CASE	1965	375	250	6	30	21	05	16-65	4	185	H	K400TILL, 0-25FT.	
D 106	412421407244011	THOMAS TAYLOR	1967	230	205	6	16	3	BA	20	4-67	4	185	H	CA-SAND AND GRAVEL, 0-26FT.
D 107	412467407240311	J. BENTON	1971	250	200	6	60	55	05	32	5-71	6	98	H	CA-L.
D 108	412452407234411	GOLDFORTH	1971	280	130	6	20	7	05	16	5-71	20	112	H	CA-L.
D 109	412604072424211	RODGE	1971	340	150	6	37	18	05	20	5-71	11	130	H	CA-TILL, 0-18FT.
D 110	412123740724151	MCKERNAN	1961	160	80	6	17	7	05	10	10-61	20	72	H	SAND AND GRAVEL, 0-35FT.
D 111	412445407239511	LOUIS GARRARINO	1972	370	100	6	41	35	05	15	11-72	6	85	H	DD-FLOWS 20SPM; TILL, 0-17FT.
D 112	412739407240261	L. A. MORETTINI	1972	300	160	6	34	17	05	F	12-72	90	180	H	DD-FLOWS 20SPM; TILL, 0-17FT.
EHD 50	413103407220041	LAKE HAYWARD CO	1929	465	304	8	—	—	—	TOWN OF EAST HAMPTON	13	11-29	H	—	P WELL 1.
EHD 266	412935407225611	PIED BALKER JP	1964	280	184	6	—	40	05	20	10-35	31	—	H	TILL, 0-40FT.
EHD 297	412024407225051	CLARA SENTLEY	1964	275	303	6	145	140	05	26	11-35	23	—	H	TILL, 0-40FT.
EHD 315	413104407225051	LAKE HAYWARD CO	1964	475	303	6	47	—	—	27	7-49	50	—	H	UNPUBLISHED U.S.G.S. PARTIAL ANALYSIS AVAILABLE, WELL 2.
EHD 316	413104407225051	LAKE HAYWARD CO	1965	375	298	6	23	7	05	—	—	50	—	H	CA; WELL 3.
EHD 319	413104407225051	R. SCHIELE	1955	430	163	6	18	16	05	37	7-55	6	—	H	—
EHD 320	413224407229351	LLOYD HAYES	1971	370	205	6	41	30	05	F	4-71	6	205	H	CA-2D-SAND AND GRAVEL, 0-30FT.
EHD 321	41310440722951	WOODS HAYES	1958	232	140	6	40	25	05	30	5-68	110	—	H	CA-GRAVEL, 0-25FT.
EHD 322	412121407228371	PETER FRELIA	1968	325	145	6	18	9	05	20	11-68	6	125	H	CA.
EHD 323	412123407228351	PICHARD S. MILL	1970	520	160	6	52	21	05	20	10-70	22	139	H	CA-TILL, 0-21FT.
EHD 324	412124407228351	EDGAR WILLIAMS	1966	340	130	6	62	56	05	25	4-66	7	105	H	CA; TILL, 0-56FT.
EHD 325	413016407226641	END DEV CORP	1971	250	130	6	21	5	05	20	10-71	66	110	C	SAND AND GRAVEL, 0-55FT.
EHD 326	413104407226641	WILDESE'S TRACK	1971	230	190	6	58	51	05	24	12-71	5	165	H	CA-L.
EHD 327	413104407226641	WILDESE'S TRACK	1971	210	230	6	48	40	05	25	1-72	6	215	H	SAND, 0-9FT.
EHD 328	412735407227141	SI STEPHES FARM	1971	290	160	6	20	6	05	40	10-71	18	120	H	TILL, 0-70FT.
EHD 329	412431407225051	CHARLES FARROW	1971	280	160	6	70	70	05	—	—	—	—	H	—
EHN 95	413251407226461	SALMON R. ST. Pk	—	375	8	—	—	—	—	TOWN OF EAST HAMPTON	—	—	T	—	—
EHN 144	412331407233111	WIS. STATE PARK	1924	120	15	6	15	12	05	F	—	30	—	—	—
EHN 155	412331407236021	WIS. STATE PARK	1924	170	120	6	12	12	05	27	8-57	2	—	R	WATER HAS VERY HIGH IRON CONTENT.
EHN 164	412331407236021	WIS. STATE PARK	1924	215	110	6	61	79	05	195	2-54	10	—	H	TILL, 0-79FT.
EHN 165	412331407236021	WIS. STATE PARK	1924	170	110	6	60	60	05	—	9-47	25	—	H	CA; WELL 3.
EHN 166	412174407239011	LAKELAND RD. CO	1947	517	491	12	60	60	05	12	—	5	—	H	—
EHN 365	413131407220471	LAKELAND RD. CO	—	400	301	14	61	61	05	05	1-62	12	15	H	CA-L.
EHN 366	413134407222011	TOWN E. HAMPTON	1962	145	145	4	58	58	05	05	1-62	—	—	H	CA-L.
EHN 370	413134407222011	TOWN E. HAMPTON	1962	145	145	4	58	58	05	05	1-62	—	—	H	CA-L.
EHN 375	413105407227011	WIS. STATE REGION	1964	60	21	2	54	54	05	05	1-65	5	5	H	CA-SAND AND GRAVEL, 0-21FT, REFUSAL AT 21FT.
EHN 376	413120407227011	WIS. STATE REGION	1965	36	54	2	54	54	05	05	1-65	—	—	H	CA-L.
EHN 377	413544407230551	FISH HIGH SCHOOL	1963	550	323	8	165	155	05	51	5-63	20	175	H	CA-TILL, 0-16FT; WELL 3.
EHN 378	413554407230441	FISH HIGH SCHOOL	1963	550	323	8	165	155	05	51	4-63	4	236	H	CA-TILL, 0-16FT; WELL 3.
EHN 379	413134407232151	WILTON DAISY	1965	450	187	6	45	45	05	20	10-64	5	162	H	CA-L.
EHN 380	413134407232141	JOSEPH RUTTO	1966	775	130	6	45	38	05	20	11-66	25	109	H	CA-L.
EHN 381	413134407232141	JOSEPH RUTTO	1966	446	446	4	55	44	05	20	1-64	2	435	H	CA-TILL, 0-44FT.
EHN 382	413304040723011	ALLEN PAYNS	1967	450	115	6	23	11	05	20	7-69	23	95	H	CA-TILL, 0-14FT.
EHN 383	413544407230321	JOHN TAYLOR	1966	450	164	6	10	10	05	20	4-65	3	150	H	CA-L.
EHN 384	413544407230321	JOHN TAYLOR	1966	1000	1000	6	20	20	05	10	2-68	45	245	H	CA-L.
EHN 385	413544407230321	JOHN TAYLOR	1966	515	270	6	20	20	05	25	1-64	45	111	H	CA-L.
EHN 386	413544407230321	JOHN TAYLOR	1966	515	270	6	20	20	05	25	1-64	45	169	H	CA-L.
EHN 387	413424407228451	ROBERT CRAWFER	1965	515	180	6	25	15	05	20	10-64	6	114	H	CA-L.
EHN 388	413424407228451	ROBERT CRAWFER	1965	520	250	6	51	43	05	20	9-65	6	210	H	CA-L.
EHN 389	413424407228451	ROBERT CRAWFER	1965	505	250	6	51	43	05	20	9-65	6	210	H	CA-L.
EHN 390	413424407228451	LEONARD HARR	1966	520	235	6	42	31	05	20	10-64	6	210	H	CA-L.
EHN 391	413404040723151	LEONARD HARR	1970	455	240	6	16	4	05	50	11-70	2	—	H	—
EHN 392	413434040723331	CHARLES TIEPRA	1969	400	6	35	10	05	05	30	4-69	1	370	H	TILL, AND BOULDERS, 0-42FT.
EHN 393	4134242040723331	CHARLES TIEPRA	1969	200	6	30	19	05	05	30	4-69	1	370	H	TILL, AND BOULDERS, 0-42FT.
EHN 394	4134242040723331	CHARLES TIEPRA	1971	450	165	6	21	21	05	30	4-69	1	370	H	TILL, AND BOULDERS, 0-42FT.
EHN 395	4134242040723331	CHARLES TIEPRA	1966	250	165	6	20	18	05	30	4-69	1	370	H	TILL, AND BOULDERS, 0-42FT.
EHN 396	4134242040723331	CHARLES TIEPRA	1966	410	165	6	44	5	05	22	10-70	2	232	H	TILL, AND BOULDERS, 0-42FT.
EHN 397	413354407231161	GERARD STANO	1966	375	160	6	31	20	05	20	7-66	4	131	H	TILL, AND BOULDERS, 0-42FT.
EHN 398	4131040407232331	A. A. FERGUSON	1965	423	423	6	45	43	05	30	4-69	1	370	H	TILL, AND BOULDERS, 0-42FT.
EHN 399	4131040407232331	A. A. FERGUSON	1967	475	55	6	25	21	05	30	4-69	1	370	H	TILL, AND BOULDERS, 0-42FT.
EHN 400	4134242040723331	MONICA KUSKA	1966	475	70	6	21	16	05	30	4-69	1	370	H	TILL, AND BOULDERS, 0-42FT.
EHN 401	4134242040723331	MONICA KUSKA	1967	500	70	6	47	46	05	20	11-70	2	232	H	TILL, AND BOULDERS, 0-42FT.
EHN 402	413727407230411	JOSEPH RANING	1971	625	160	6	70	65	05	20	10-71	10	140	H	TILL, 0-65FT.
EHN 403	4134242040723331	JOSEPH RANING	1971	464	145	6	93	83	05	20	11-71	15	140	H	TILL, 0-65FT.
EHN 404	4134242040723331	JOSEPH RANING	1971	545	175	6	21	21	05	20	11-71	17	155	H	TILL, 0-65FT.
EHN 405	4134242040723331	JOSEPH RANING	1971	545	175	6	21	21	05	20	11-71	17	155	H	TILL, 0-65FT.
EHN 406	4134242040723331	JOSEPH RANING	1971	545	175	6	21	21	05	20	11-71	17	155	H	TILL, 0-65FT.
EHN 407	4134242040723331	JOSEPH RANING	1971	545	175	6	21	21	05	20	11-71	17	155	H	TILL, 0-65FT.
EHN 408	413315407233121	JOSEPH RANING	1971	443	143	6	21	21	05	20	11-71	17	155	H	TILL, 0-65FT.

TABLE 1.—RECORDS OF WELLS—CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE INSTALLED (YEAR)	WELL DEPTH (FT)	ALTI- TUDEN- OF LSD (FT)	CASING- DIA- ETER (IN)	CASING- ETHER (IN)	CONSOLID- DAFD DEPTH (FT)	MAJOR AQUIFER (FT)	WATER LEVEL (FT)	WATER LEVEL MEASURED (FT)	DATE WATER LEVEL MEASURED (MM)	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
EMH 409	413304N#722701.1	CONN FISH GAME	1966	75	56	2	41	--	00	5	8-66	65	--	U	LSCRN143-50FT,21IN,060IN TEST WELL 2, SITE 7.	
	412021RN#722331.1	HERITAGE APTS	1965	20	41	8	36	--	00	20	10-65	100	7	P	C1LSCRN136-42FT,8IN,040IN WELL 2.	
ES 90	412136RN#722411.2	CONN WATER CO	1965	20	70	8	62	--	00	20	10-65	25	36	P	C1LSCRN162-42FT,8IN,080IN 66-70FT,8IN,040FT.	
ES 92	412136RN#722411.2	FRED EDMOND	1962	14	51	18	41	--	00	6	8-62	250	33	P	LSCRN143-50FT,18IN,020IN TEST 79HRS IN WELL.	
ES 99	412024N#722331.1	VALLEY METAL	1963	55	116	6	26	25	0C	37	10-62	9	79	H	LSCRN180-90FT,8IN,0-01IN.	
ES 100	412018N#722443.1	FRED EDMOND	1962	40	70	8	90	95	00	18	6-62	160	64	H	LSCRN180-90FT,8IN,0-01IN.	
ES 101	412136RN#722648.1	MARGOT PURCELL	1962	40	70	6	69	68	0C	20	9-62	5	50	H	LSCRN180-90FT,8IN,0-01IN.	
ES 102	412024N#722330.1	SEELEY	1965	18	115	6	96	90	0C	15	6-65	10	--	H	LSCRN180-90FT,8IN,0-01IN.	
ES 103	412024N#722330.1	H E RAINORD	1964	60	19n	6	12	3	0C	30	10-64	60	160	H	TILL 70-38FT.	
ES 104	412109N#722513.1	JEDO GRASSL	1964	180	115	6	45	38	0C	22	10-64	110	93	H	TILL AND BOULDERS, 0-50FT.	
ES 105	412018N#722514.1	JAMES PARISI	1964	180	144	6	54	50	0C	20	9-64	6	110	H	TILL AND BOULDERS, 0-50FT.	
ES 106	412136RN#722514.1	ALEX YATZOK	1969	260	31n	6	14	2	0C	40	1-69	1	270	H	LSCRN147-56FT,21IN,060IN TEST WELL 7, SITE 3.	
ES 107	412018N#722514.1	HENRY HALLIWELL	1971	75	130	6	17	5	0C	20	8-71	45	110	H	LSCRN147-56FT,21IN,060IN TEST WELL 7, SITE 3.	
ES 108	412018N#722534.1	GEORGE CONNERAT	1967	120	175	6	67	63	0C	20	8-67	8	--	H	GRAVEL, 0-63FT.	
ES 109	412024N#722534.1	W N WEBER	1971	152	250	6	32	30	0C	20	3-71	15	230	H	SAND AND GRAVEL, 0-27FT.	
ES 110	412018N#722534.1	DRANIS DODS	1965	115	115	6	12	6	0C	18	12-65	10	96	H	C1LSCRN148-30FT,8IN,0-48FT.	
ES 111	412018N#722534.1	JOHN MIEZEJSKI	1964	170	148	6	40	34	0C	23	11-67	15	67	H	C1LSCRN148-30FT,8IN,0-48FT.	
ES 112	412024N#722534.1	BLURAY	1963	40	54	6	54	40	0C	15	8-64	3	165	H	C1LSCRN148-30FT,8IN,0-48FT.	
ES 113	412024N#722534.1	LOREN F KAHUF	1967	25	160	6	51	40	0C	10	8-63	30	25	C	CAYCE GRAVEL, 0-54FT.	
ES 114	412039N#722845.1	CONN WATER CO	1959	14	40	8	40	56	0C	10	5-67	4	110	H	CAYCE GRAVEL, 0-54FT.	
ES 115	412039N#722845.1	CONN WATER CO	1953	16	43	12	26	54	0C	10	5-59	180	23	H	CAYCE GRAVEL, 0-54FT.	
ES 116	412039N#722845.1	H LEROY POTTER	--	335	76	6	2	2	BA	30	7-53	400	28	P	LSCRN126-36FT,21IN,060IN TEST WELL 1.	
G 2	412312RN#724439.1															
G 27	412117RN#724436.1	T HILL ESTRAFF	1931	300	117	6	50	50	0C	9	2-31	3	--	H	TILL, 0-50FT.	
G 64	412124RN#724137.1	R H WOODRUFF	1927	75	68	6	25	25	0C	22	-27	4	--	H	SAND AND GRAVEL, 0-8FT.	
G 65	412124RN#724137.1	R H WOODRUFF	1927	175	150	6	30	30	0C	7	-25	7	--	H	TILL, 0-25FT.	
G 124	411744RN#725938.1	L WILLIAMS	1955	103	68	12	66	91	0D	3	3-56	80	26	P	LSCRN130-30FT,8IN,0-30FT.	
G 374	411732RN#724132.1	CONN. WATER CO	1956	16	86	12	26	26	0C	10	7-67	15	40	H	CAYCE GRAVEL, 0-16FT.	
G 383	412039N#722846.1	VINCENT MCGRAFF	1957	330	97	6	24	16	0C	21	1-57	12	40	H	TILL, 0-16FT.	
G 384	411938RN#724114.1	TAN OF GUILFORD	1957	50	185	6	81	45	0C	15	2-57	33	45	H	GRAVEL, 0-5FT.	
G 385	411938RN#724114.1	JOSEPH YORK	1958	240	135	6	74	60	0C	19	6-58	4	116	H	TILL, 0-60FT.	
G 386	412124RN#724135.1	ROBERT BAKER	1951	190	280	6	22	60	0C	15	6-61	1	235	H	TILL, 0-25FT.	
G 387	412142RN#724469.1	H BULLARD	1968	350	190	6	26	60	0C	100	7-68	30	90	H	LSCRN130-30FT,8IN,0-30FT.	
G 388	412121RN#722438.1	FRANK MASTRANTO	1971	335	320	6	46	38	0C	30	12-71	1	290	H	TILL, 0-38FT.	
G 389	411938RN#724152.1	PAINE FARM STATE	1967	60	30	10	22	37	0C	5	6-67	10	10	H	LSCRN130-30FT,8IN,0-30FT.	
G 390	411938RN#724152.1	MAUDIE SAXON	1967	150	6	33	23	0C	13	6-67	4	144	H	SAND AND GRAVEL, 0-23FT.		
G 391	411732RN#724159.1	ROBERT CRUM	1970	220	200	6	60	60	0C	13	11-70	4	187	H	TILL, 0-60FT.	
G 392	412323RN#724139.1	R WALGROK	1966	95	6	21	20	0C	15	6-66	5	80	H	TILL, 0-60FT.		
G 393	411854RN#724831.1	ANDERSON WILCOX	1971	325	180	6	75	65	0C	30	10-70	75	295	H	TILL, 0-55FT.	
G 394	411953RN#724831.1	ANDERSON WILCOX	1970	175	200	6	40	25	0C	36	10-70	100	144	H	TILL, 0-55FT.	
G 395	411732RN#724931.1	DALE LAPHAM	1971	25	140	6	40	40	0C	25	6-71	6	120	H	GRAVEL, 0-25FT.	
G 396	411728RN#724931.1	EARL KELLOGG	1966	110	200	6	100	80	0C	45	11-66	10	162	H	TILL, 0-80FT.	
G 397	411732RN#724931.1	HAROLD JESCHER	1966	120	255	6	3R	22	0C	50	9-66	30	205	H	TILL, 0-225FT.	
G 398	411213RN#724430.1	PAL PUTNAM	1964	300	6	40	0	0	0C	30	12-68	1	270	H	TILL, 0-80FT.	
G 399	412020RN#724436.1	TWIN OF GUILFORD	1971	350	400	6	40	18	0C	58	11-71	5	342	H	TILL, 0-80FT.	
G 400	411732RN#724931.1	SHORE VALLEY RD	1965	92	50	8	43	76	0C	5	3-65	6	85	H	LSCRN143-50FT,8IN,0-50IN WELL 1.	
G 401	411918RN#724054.1	EARL KELLOGG	1966	21	100	6	100	80	0C	3	9-69	50	35	H	LSCRN143-50FT,8IN,0-50IN WELL 1.	
G 402	412223RN#724302.1	FRANCES PATERNO	1965	390	220	6	20	0	0C	156	5-65	12	70	H	LSCRN143-50FT,8IN,0-50IN WELL 1.	
G 403	411810RN#724029.1	LANDON HALL	1969	95	394	6	20	0	0C	40	10-69	100	350	H	LSCRN143-50FT,8IN,0-50IN WELL 1.	
HD 112	412009RN#723508.1	HARVEY J. BROOKS	1957	290	112	6	--	28	0C	52	5-11	4	--	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 413	411955RN#723508.1	NORTHEAST UTIL	1963	175	116	10	103	116	0C	28	11-57	3	--	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 414	412009RN#723508.1	NORTHEAST UTIL	1963	10	57	10	46	116	0C	6	11-63	40	92	H	LSCRN132-32FT,1IN,0-63FT.	
HD 415	412009RN#723508.1	NORTHEAST UTIL	1963	10	57	10	46	116	0C	6	11-63	30	30	H	LSCRN132-32FT,1IN,0-63FT.	
HD 416	412009RN#723508.1	NORTHEAST UTIL	1963	10	47	10	37	--	0D	6	11-63	30	16	H	LSCRN132-32FT,1IN,0-63FT.	
HD 417	412009RN#723508.1	R. LOMBARD	1960	305	6	27	21	21	0C	30	9-70	3	260	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 418	412009RN#723508.1	DOM MANNITI	1965	165	145	6	24	18	0C	20	6-65	2	155	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 419	412009RN#723508.1	MAX MILLER	1965	685	194	6	10	5	0C	30	10-65	1	155	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 420	412009RN#723508.1	FRED WIESEL	1961	130	92	6	10	5	0C	30	2-64	4	155	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 421	412744RN#722844.1	P ALDELMAN	1964	88	254	6	124	125	0C	30	7-64	10	177	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 422	412729RN#722844.1	CT STATE FOREST	1971	150	130	6	25	35	0C	19	4-71	0	111	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 423	412515RN#722844.1	MICHAEL MASSINA	1969	545	170	6	22	40	0C	20	7-69	10	144	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 424	412515RN#722844.1	KENNETH HAMPTON	1968	245	120	6	16	16	0C	12	8-65	15	14	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 425	412515RN#722844.1	MYRON FOSTER	1970	265	100	6	16	12	0C	20	8-65	15	14	H	SAND AND GRAVEL, 0-32FT,1IN,0-63FT.	
HD 426	412515RN#722844.1	J. WALTERS	1966	240	98	6	11	6	0C	20	6-66	6	78	H	SAND AND GRAVEL, 0-40FT.	
HD 427	412515RN#722844.1	DAVID SKYE	1964	170	100	6	175	105	0C	25	11-64	3	150	H	SAND AND GRAVEL, 0-40FT.	
HD 428	412515RN#722844.1	WRS E. PAYEE	1966	90	100	6	175	105	0C	25	11-64	10	181	H	SAND AND GRAVEL, 0-40FT.	
HD 429	412515RN#722844.1	S. N. NORBET JR.	1969	140	175	6	175	105	0C	25	10-64	2	160	H	SAND AND GRAVEL, 0-40FT.	
HD 430	412515RN#722844.1	WILLIAM SMITH	1966	215	120	6	16	12	0C	20	10-64	2	160	H	SAND AND GRAVEL, 0-40FT.	

TABLE I-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	WELL DEPTH (FT.)	CASING DIAMETER (IN.)	CASING DEPTH (FT.)	MAJOR AQUIFER	WATER LEVEL (FT.)	YIELD (GPM)	DRAW DOWN (FT.)	USE OF WATER
TOWN OF HADDOCK-CONT.											
HO 431	412852N#0723114.1	HFD NATL BANK	1965	380	6	20	OC	18	1-65	6	CA TILL, 0-20FT.
HO 432	412850N#0723139.1	W MILLARD	1971	155	400	22	1	27	1-7	373	DD SAND AND GRAVEL, 0-60FT.
HO 433	412928N#0723135.1	SACRED HEART	1964	250	6	90	60	9-64	12	250	DD SAND AND GRAVEL, 0-55FT.
HO 434	412854N#0723121.1	LLOYD GRAVES	1965	190	130	60	60	11-65	12	12	DD SAND, 0-25FT.
HO 435	412809N#0722449.1	D MACLISHAN	1964	85	85	32	26	10-64	12	67	DD SAND, 0-35FT.
HO 436	412848N#0723044.1	NEIL TULLIE	1965	182	6	124	116	40	11-65	12	TILL, 0-35FT.
HO 437	412858N#0723028.1	SHORELINE HOMES	1967	409	115	45	20	30	12-67	8	SAND, 0-35FT GRAVEL, 35-58FT.
HO 438	412854N#072358.1	FRID CHAMBERS	1969	630	655	6	14	85	1-69	25	SAND, 0-35FT GRAVEL, 35-58FT.
HO 439	412852N#072251.1	OLGA HARRIS	1969	8	SA	62	2	6	6-69	570	SAND, 0-35FT GRAVEL, 35-58FT.
HO 440	412852N#072251.1	TYL WETHERY	1964	52	145	6	96	99	0-64	20	110
HO 441	412657N#0723229.1	LL BUILDERS	1970	287	205	6	35	29	0-64	3	SAND AND GRAVEL, 0-29FT.
HO 442	412647N#0723257.1	JAMES CASSILIA	1967	460	260	6	49	35	11	203	SAND AND GRAVEL, 0-29FT.
HO 443	412708N#0723262.1	MICHAEL MASTINA	1972	361	100	12	12	6-67	4	L.	
HO 444	412708N#0723282.1	WILLIAM GRANGER	1964	82	127	6	118	110	0-60	5	L.
HO 445	412705N#0723284.1	HUMPHREY	1971	355	80	6	13	11	0-60	65	SAND AND GRAVEL, 0-14FT.
HO 446	412719N#0723286.1	ROSE STAND	1971	75	100	6	22	3	0-64	15	CA.
HO 447	412776N#0723286.1	F J KELLEY	1971	105	170	6	36	36	0-64	30	140
HO 448	412917N#0723150.1	MATILIA VITCH	1971	160	100	6	18	17	0-64	4	L.
HO 449	412944N#0723131.1	KALMAN	1971	180	80	5	55	18	0-64	49	L.
HO 450	412755N#0723134.1	HOLT	1971	370	94	6	10	6	0-64	15	65
HO 451	412859N#0723136.1	KREIGER	1955	140	120	6	20	10	0-64	5	L.
HO 452	412861N#0723044.1	J MARICA	1955	190	260	6	7	30	0-64	9	90
HO 453	412861N#0723042.1	E BRAHAD	1955	110	120	6	104	104	0-64	15	70
HO 454	412955N#0723150.1	C MAYNARD	1955	215	123	6	50	50	0-64	25	150
HO 455	412955N#0723150.1	L BARONI	1956	150	121	6	60	40	0-64	20	12-96
HO 456	412850N#0723301.1	K WOOD	1956	100	155	6	49	30	0-64	21	11-65
HO 457	412920N#072345.1	P KOURCHEK	1961	185	115	5	72	40	0-64	12	79
HO 458	412926N#0723044.1	PYTLIK	1959	175	100	21	16	22	0-64	15	L.
HO 459	412506N#0723420.1	J DICKERSON	1959	520	98	41	41	25	0-64	63	63
HO 460	413015N#0723414.1	J DICKERSON	1963	130	115	6	20	8	0-64	4	78
HO 461	412756N#072345.1	P DOOLITTLE	1964	62	135	—	105	105	0-64	4-63	6
HO 462	412506N#0723419.1	H SMITH	1962	555	152	6	92	88	0-64	15	65
HO 463	413040N#0723359.1	W MAYNARD	1958	135	104	6	92	92	0-64	12	55
HO 464	412829N#0723166.1	F RUBOLD	1958	540	100	6	40	30	0-64	12	57
HO 1	413735N#0722006.1	RESECK LAKE CO	1949	527	303	6	20	20	0-64	30	—
HB 2	413722N#0722006.1	RESECK LAKE CO	1932	570	283	8	125	—	0-64	60	50
HB 3	413709N#0722041.1	ARCHIE GREEN	1957	415	140	6	23	23	0-64	27	—
HB 4	413711N#0721945.1	M SCHVITZ	1956	502	150	6	32	20	0-64	30	CA MASTON LAKE WELL, 2FT.
HB 5	414059N#0722136.1	WH CARPENTER	1957	716	215	6	49	40	0-64	15	SAND AND GRAVEL, 0-23FT.
HB 10	414058N#0722559.1	CARON BROS	1970	560	155	6	55	55	0-64	42	L.
HB 11	413941N#0722551.1	ALBERT HILDING	1964	640	300	6	25	15	0-64	42	TILL, 0-40FT.
HB 12	413660N#0722516.1	CARON BROS	1965	645	120	6	45	26	0-64	12	TILL, 0-35FT.
HB 13	413933N#0722366.1	PETER ERICKSON	1965	595	125	6	25	25	0-64	12	TILL, 0-35FT.
HB 14	413702N#0721514.1	A SYLVESTER	1966	565	175	6	24	23	0-64	14	TILL, 0-35FT.
HB 15	414016N#0722466.1	TOWN OF HEDRON	1967	635	450	6	160	145	0-64	42	TILL, 0-35FT.
HB 16	413931N#0722552.1	ALBERT HILDING	1964	500	154	6	64	40	0-64	24	TILL, 0-40FT.
HB 17	413660N#0722544.1	JOSEPH CARON	1968	570	164	6	65	50	0-64	12	TILL, 0-35FT.
HB 18	413931N#0722542.1	TOM SULLIVAN	1965	665	250	6	20	20	0-64	12	TILL, 0-35FT.
HB 19	413931N#0722547.1	DENNIS SHEA	1965	602	122	6	56	40	0-64	12	TILL, 0-35FT.
HB 20	414038N#0722134.1	TOM SULLIVAN	1967	715	275	6	22	22	0-64	4	TILL, 0-35FT.
HB 21	413936N#072129.1	SLICER CONST CO	1966	440	485	6	90	85	0-64	24-67	27
HB 22	413939N#0720212.1	TOWN OF HEDRON	1965	532	250	6	50	45	0-64	15	225
HB 23	413934N#0722222.1	JOSEPH SORVANO	1971	470	160	6	165	15	0-64	12	157
HB 24	413930N#0722231.1	JOSEPH SORVANO	1971	465	165	6	25	15	0-64	12	SANDY GRAVEL, 0-15FT.
HB 25	413939N#0722129.1	HABERPPN	1967	460	265	6	45	80	0-64	3	157
HB 26	414040N#0722120.1	DAVID BOHRS	1967	760	250	6	135	125	0-64	10	145
HB 27	414105N#072253.1	PON MASTROMARIE	1968	632	200	6	70	70	0-64	8	160
HB 29	414033N#072206.1	A A QUATTROPANI	1965	530	137	6	40	30	0-64	10	107
HB 30	413934N#0722304.1	RUSSELL PITTS	1966	595	225	6	35	0	0-64	12	215
HB 31	413936N#0721431.1	C JOHN PERIAM	1969	572	165	6	25	5	0-64	10	155
HB 32	413753N#072219.1	GEORGE ALDEN	1965	340	152	6	45	10	0-64	12	140
HB 33	413111N#0722120.1	JEFF ODELL	1971	545	153	6	40	10	0-64	12	143
HB 34	413954N#072242.1	JOHN PAULINA JR	1971	600	300	6	48	50	0-64	12	150
HB 35	413943N#0722159.1	R DUPRE	1971	165	6	35	20	20	0-64	10	155
HB 36	414140N#0723121.1	R DUPRE	1971	550	240	6	44	34	0-64	12	160
HB 37	413562N#0722084.1	CAMPSTLVRPARK	1956	170	6	18	5	0C	55	0-35FT.	25

TABLE I-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	WELL DEPTH (FT)	ALTITUDE OF LSD (FT)	CASING DIAMETER (IN.)	CASING RATED DEPTH (FT)	MAJOR ROCK (FT)	WATER LEVEL (FT)	DATE WATER MEASURED	USE OF WATER	DRAW DOWN (FT)	REMARKS
K 144	4.12439N#723242-1	EVERETT RYAN	1955	515	130	6	96	95	0C	20	9-55	5	H
K 145	4.12456N#723546-1	OSCAR AVER	1958	520	218	6	47	45	0C	34	7-58	5	H
K 146	4.1255N#723546-1	GORDON CHAPMAN	1959	370	131	6	68	66	0C	20	9-59	12	H
K 147	4.12388N#723601-1	ROBERT HAGLEY	1963	460	116	6	73	65	0C	10	9-63	6	H
K 148	4.1217N#723353-1	FRED WINKEL EGQ	1965	370	245	6	11	3	0C	18	2-65	10	H
K 149	4.1211.3N#723118-1	QUALITY BUILDER	1971	345	280	6	60	49	0C	40	6-71	45	H
K 150	4.1211.10N#723118-1	QUALITY BUILDER	1971	355	250	6	28	10	0C	20	10-71	4	H
K 151	4.1211.6N#723443-1	ANTHONY KURTIN	1971	350	310	6	11	5	0C	30	7-71	230	H
K 152	4.1211.5N#723441-1	GEORGE FIELD CO	1970	345	320	6	20	5	0C	70	12-70	3	H
K 153	4.1215N#723426-1	ARTHUR RESTWOOD	1969	350	500	6	35	28	0C	30	2-69	1	H
K 154	4.12415N#723516-1	DENNIS HANHOLD	1970	430	655	6	15	4	0C	145	10-70	4	H
K 155	4.12389N#723613-1	HATTIE RYAN	1968	475	430	6	15	3	0C	40	6-68	6	H
K 156	4.12359N#723612-1	ROBERT DONATH	1968	465	490	6	15	4	0C	50	9-68	3	H
K 157	4.12343N#723612-1	ROBERT DONATH	1968	465	500	6	27	18	0C	50	5-68	1	H
K 158	4.12566N#723525-1	CHRIS M SALTUS	1970	520	6	37	33	0C	20	11-70	45	H	
K 159	4.12421N#723525-1	RICHARD RUSSELL	1970	575	160	6	21	7	0C	20	8-71	9	H
K 160	4.12559N#723524-1	CHRIS M SALTUS	1970	575	180	6	19	18	0C	25	7-70	45	H
K 161	4.12013N#723524-1	JOHN SODEGREEN	1970	145	160	6	60	50	0C	50	10-70	10	H
K 162	4.1236N#723311-1	S CHICHESTER	1968	320	180	6	31	21	0C	10	8-68	15	H
K 163	4.12316N#723142-1	HEERY KESSEL	1968	430	165	6	65	59	0C	20	12-68	8	H
K 164	4.12231N#723432-1	A BERLIER	1969	455	205	6	30	21	0C	20	1-69	18	H
K 165	4.12221N#723341-1	P RICHARD RUSSELL	1967	430	155	6	14	9	0C	20	3-67	3	H
K 166	4.12231N#723331-1	FRED BEULTHEU	1970	390	175	6	20	8	0C	19	11-70	7	H
K 167	4.1223N#723336-1	RICHARD PIERCE	1964	195	110	6	30	23	0C	25	6-68	5	H
K 168	4.12237N#723344-1	JENSENS INC	1966	490	500	6	20	11	0C	37	3-66	30	P
K 169	4.12231N#723345-1	JENSENS INC	1965	420	500	6	30	19	0C	37	5-65	50	P
K 170	4.12126N#723241-1	MARINEK	1964	285	42	2	31	—	0D	10-64	50	355	U
L 8 2	4.13724N#721921-1	BESECK LAKE CO	1958	560	202	6	10	10	0C	16	-58	50	--
L 203	4.12313N#722046-1	R HARDING	1956	90	97	6	18	5	0C	12	2-56	3	H
L 205	4.12344N#722100-1	L H BAKER	1955	40	260	5	137	125	0C	35	12-55	4	H
L 206	4.12212N#722148-1	F JONES	1956	52	353	6	75	52	0C	32	2-56	1	H
L 208	4.12216N#722234-1	RICHARD COOPER	1957	10	275	6	8	1	0C	18	8-57	257	H
L 209	4.12388N#722001-1	EDWARD BOKER	1956	105	133	6	35	30	0C	20	4-56	10	H
L 210	4.1216N#722233-1	RICHARD COOPER	1957	5	200	6	47	35	0C	5	5-57	6	H
L 211	4.12248N#722202-1	JOE RAND	1963	70	96	5	77	65	0C	24	9-63	5	H
L 212	4.1223N#722202-1	ANDREW NEWBERG	1970	52	265	6	15	5	0C	22	4-71	8	H
L 213	4.12212N#721819-1	FLORENCE ETS	1970	80	125	6	23	6	0C	10	12-70	7	H
L 214	4.12159N#721591-1	SCHULER	1970	238	140	6	21	21	0C	19	6-65	8	H
L 215	4.12126N#722224-1	WHITFIELD COOK	1970	200	220	6	40	29	0C	19	12-70	2	H
L 216	4.12319N#722221-1	PARKER LORD	1967	20	186	6	22	20	0C	13	6-67	6	H
L 217	4.12444N#722016-1	EVAN LIFTING WELL	1964	50	142	200	6	112	0C	52	3-64	6	H
L 218	4.12230N#722054-1	LESLIE SCHAD	1968	268	205	6	117	100	0C	100	8-68	8	H
L 220	4.12230N#721361-1	LOYD R EVANS	1964	40	160	6	47	40	0C	21	2-65	6	H
L 221	4.12230N#722201-1	HAROLD BURR	1965	200	160	6	47	40	0C	21	2-65	6	H
L 222	4.12417N#722235-1	RALPH END	1971	100	125	6	20	14	0C	20	7-71	6	H
L 223	4.12316N#722256-1	JOHN SLOANE	1971	130	300	6	24	12	0C	50	8-71	3	H
L 224	4.12421N#721811-1	WILLIAM MCDOURT	1971	130	200	6	50	32	0C	20	8-71	4	H
L 225	4.12551N#721959-1	RANDOLPH BROWN	1971	80	100	6	40	4	0C	15	7-71	15	H
L 226	4.12433N#722052-1	A WHITTLESEY	1960	100	100	7	14	13	0C	15	7-60	6	H
L 227	4.12204N#722317-1	MAXINE SICORD	1967	52	90	6	85	—	0D	14	9-67	45	H
L 228	4.12256N#722361-1	JUDSON BUBER	1963	76	66	5	64	49	0C	40	11-69	12	H
L 229	4.12259N#722117-1	HOWARD J. BEERS	1967	102	103	6	54	48	0C	40	10-63	2	H
L 230	4.12244N#722183-1	WILLIAM MOORE	1964	50	160	6	100	96	0C	27	10-67	10	H
L 231	4.12320N#722244-1	ROY CHAPMAN	1971	100	53	6	53	—	0D	15	10-71	6	H
L 232	4.12525N#722317-1	LOUIS MILDROW	1972	100	35	6	35	—	0D	15	3-72	10	H
L 233	4.12515N#722317-1	LOUIS MILDROW	1972	95	235	6	68	50	0C	40	5-72	1	H
L 234	4.12244N#722404-1	LOUIS MILDROW	1970	35	43	2	33	—	0D	12	12-70	26	H
L 235	4.12316N#722021-1	JOSEPH DUMOND	1971	315	100	6	50	40	0C	20	11-71	20	H
L 236	4.12316N#721716-1	JOSEPH DUMOND	1971	100	6	10	14	14	0C	12	10-71	20	H
MA 48	4.12228N#723718-1	N PEPPER	—	340	82	6	76	14	0C	85	—	6	H
MA 54	4.12130N#73816-1	JOSEPH MILESSI	—	290	102	6	14	10	0C	9	6-34	10	H
MA 71	4.1216N#73816-1	ANDREW GROSS	1944	40	265	10	17	17	0C	35	—	4	H
MA 78	4.12027N#73750-1	OSCAR KULISCH	—	235	147	6	90	90	0C	100	—	10	H
MA 87	4.11733N#724447-1	G K DOKTOR	—	—	—	—	—	—	—	—	—	—	H
MA 288	4.12444N#724447-1	MIKE DOEPER	1956	35	107	6	105	—	0C	20	9-56	2	H
MA 299	4.12444N#723925-1	A PATTERSON	1957	330	99	6	27	105	0C	15	12-57	84	H
MA 290	4.12444N#723705-1	MADISON HS NO 1	1959	32	400	6	76	57	0C	16	3-59	27	H
MA 291	4.12147N#723705-1	CROPER	1958	32	67	8	67	57	0C	14	4-59	45	H
MA 292	4.11735N#723535-1	CROPER	1958	100	180	6	40	33	0C	25	7-68	155	H

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTU- TURE OF LSD (FT.)	WELL DEPTH (FT.)	CASING- DIA- ETER (IN.)	CASING- DEPTH (FT.)	MAJOR ROCK AQUIFER (FT.)	WATER LEVEL MEASURED (FT.)	DATE WATER DRAINED (YEAR)	DRAW DOWN (FT.)	YIELD (GPM)	USC OF WATER	REMARKS	
TOWN OF MADISON-CONT.															
MA 292	411615N0723429.1	J P SMITH, JR	1966	20	225	6	6	OC	12	5-64	12	213	1	SALINE WATER, 225-300FT, CEMENTED OFF.	
MA 293	412024N0723430.1	HIGH HILL SCH	1966	265	220	6	52	20	66	6-66	60	165	1	CAITILL, 0-4FT, TILL, 0-10FT.	
MA 294	411173N0723431.1	ROBERT WEISS	1966	250	190	6	25	18	39	6-68	35	320	1	GRATEL, 0-10FT.	
MA 295	411105N0723451.1	ROBERT GREEN	1963	25	120	6	65	55	35	5-65	15	155	1	TILL, 0-10FT.	
MA 296	411644N0723451.1										12-63	20	105	1	
MA 297	41144INN0723447.1	MEDALLION BROS	1966	40	160	6	35	20	05	2-55	4	135	1	TILL, 0-30FT.	
MA 298	411243N0723619.1	KESHIL BUILDING	1969	90	220	6	40	25	05	2-71	2	202	1	TILL, 0-30FT.	
MA 299	411055N0723705.1	DAYTON SCHMIDT	1971	230	240	6	40	35	05	18	2-59	225	1	TILL, 0-30FT.	
MA 302	412058N0723836.1			230	210	6	50	50	05	15	2-71	3	180	1	
MA 303	412058N0723836.1										23	7-71	3		
MA 304	41228N0723501.1	FOREST HILLS CO	1966	220	250	6	34	29	05	10-64	6	141	1	TILL, 0-25FT.	
MA 305	41226N072301.1	FOREST HILLS CO	1966	300	210	6	35	21	05	5-66	2	250	1	TILL, 0-25FT.	
MA 306	412020N0723825.1	S SPERRY	1969	250	68	2	62	71	05	4-69	4	156	1	CAITILL, 0-10FT.	
MA 307	41113N0723658.1	COLE	1966	15	67	2	59	59	05	1-66	6	152	1	CAITILL, 0-15FT.	
MA 308	41115N0723418.1	STEVENS	1966	5	65	2	63	65	05	4-66	6	25	1	CAITILL, 0-15FT.	
MA 309	411747N0723416.1	STEVENS	1971	50	285	6	80	60	05	1-71	5	55	1	CAITILL, 0-6FT.	
MA 311	41180N0723533.1	BERNETT DEVELOP	1972	108	50	6	40	40	05	1-71	3	255	1	SAND AND GRAVEL, 0-24FT.	
MA 312	41220N0723485.1	MARIO DEMELIS	1972	31	375	6	34	24	05	3-72	4	572	1		
MA 313	411718N0723705.1	GROVE SCHOOL	1972	31	375	6	34	24	05	3-72	200	345	1		
ME 2	413605N0722124.1	FOREST PROPERTY	1956	400	300	6	—	—	—	TOWN OF MARLBOROUGH	—	25	—	CA.	
ME 3	413903N0722154.1	MARLBOROUGH GDN	1956	600	254	10	32	32	05	12	3-56	70	—	CAITILL, 0-32FT.	
ME 4	413525N0722151.1	HILLS OF WORCESTER	1971	508	247	6	—	—	05	170	-60	10	—	CAITILL, 0-32FT.	
ME 5	413526N0722151.1	JAMES WOLHOUSE	1971	468	200	6	20	15	05	20	4-72	10	180	1	CAITILL, 0-32FT.
ME 6	413453N0722055.1	ROBERT FOACH	1971	15	15	6	40	40	05	2-71	6	80	1	CAITILL, 0-32FT.	
ME 6	413623N0722501.1	R PACKMAN	1971	100	6	40	—	—	—	20	7-71	4	80	1	CAITILL, 0-35FT.
ME 9	413956N07222015.1	R BIZZOFERRATE	1971	535	325	6	42	37	05	10	7-71	30	315	1	TILL, 0-32FT.
ME 10	413957N0722214.1	R PIZZOFERRATE	1971	540	125	6	22	21	05	15	7-71	4	110	1	SAND AND GRAVEL, 0-32FT.
ME 10	414412N0722122.1	YANKEE HOMES	1971	381	244	6	66	66	05	1-71	6	135	1		
ME 12	413957N0722440.1	EDWARD MURRAY	1971	760	165	6	15	10	05	9-71	50	155	1	TILL, 0-10FT.	
ME 13	41373N0722435.1	UDEC	1971	590	375	6	1	05	20	9-71	2	355	1		
ME 14	413538N0722464.1	VALENTINE, SCOTT	1971	685	175	6	34	29	05	3	7-71	7	172	1	TILL, 0-25FT.
ME 15	413743N0722384.1	CITIZEN BANK	1971	910	325	6	83	78	05	9-71	8	310	1	TILL, 0-75FT.	
ME 16	413744N0722314.1	PRUCE GILBERT	1971	420	305	6	10	5	05	20	8-71	3	280	1	
ME 17	413742N0722447.1	EDWARD MURRAY & SON	1971	720	275	6	30	26	05	10	9-71	4	265	1	
ME 18	413621N0722445.1	EDWARD MURRAY & SON	1971	550	150	6	33	28	05	2-71	15	110	1	TILL, 0-25FT.	
ME 19	41319N0722443.1	ED MURRAY & SON	1971	550	180	6	22	17	05	20	2-71	40	160	1	TILL, 0-32FT.
ME 20	413522N0722449.1	ED MURRAY & SON	1971	550	180	6	50	45	05	50	2-71	30	150	1	TILL, 0-45FT.
ME 22	413524N0722449.1	ED MURRAY & SON	1971	100	6	45	40	40	05	50	2-71	10	150	1	TILL, 0-45FT.
ME 23	413524N0722454.1	ROGER DINNA	1971	598	370	6	100	100	05	15	7-71	5	337	1	TILL, 0-100FT.
ME 24	413522N0722454.1	JOHN POIVETS	1971	335	6	30	24	05	15	1-71	56	—	—	TILL, 0-24FT.	
ME 25	413524N0722458.1	EDWARD ORZECH	1966	370	235	6	20	10	05	150	8-66	12	70	1	TILL, 0-32FT.
ME 26	413558N0722450.1	EDWARD ORZECH	1966	515	280	6	42	36	05	70	12-56	60	210	1	
ME 26	413525N0722450.1	EDWARD ORZECH	1966	515	280	6	21	10	05	30	8-68	15	120	1	
ME 27	413559N0722450.1	EDWARD ORZECH	1966	420	185	6	20	20	05	30	8-68	15	120	1	
ME 28	413559N0722452.1	EDWARD ORZECH	1966	420	100	6	13	4	05	46	4-64	9	27	1	
ME 29	413603N0722453.1	L GRESZAK	1963	430	118	6	21	10	05	10-53	3	13	1		
ME 30	41373N0722444.1	J KASTAN	1964	515	235	6	20	20	05	8-64	20	210	1		
ME 1	413033N0722420.1	LYMAN GUN SIGHT	1890	250	57	6	—	—	05	8	7-46	—	—	U GROUND-WATER OBSERVATION WELL RECORDS PUBLISHED 1946-72.	
ME 26	413245N0722421.1	J B TREIBER	1921	310	60	6	14	14	05	12	1-36	27	—	TILL, 0-10FT.	
ME 44	413149N0722430.1	E B BIGLOW	1923	165	6	51	51	BA	85	—	5	—	—	SAND AND GRAVEL, 0-34FT.	
ME 63	413136N0722431.1	S ARISCO	1924	160	95	6	34	19	BA	18	—	2	—	SAND AND GRAVEL, 0-39FT.	
ME 83	413142N0722434.1	F WINTER	1924	655	655	6	52	3	BA	40	—	16	—	WATER OBSERVED VERY HARD; HIGH IRON AND LOW SULFUR.	
ME 120	413057N0722404.1	E WARNER	1924	290	162	6	64	64	05	100	—	34	6	—	TILL, 0-64FT.
ME 143	413040N0722412.1	J B THAYER	1925	160	92	6	22	19	05	17	—	9	—	STRATIFIED DRIFT, CLAY, AND TILL, 0-19FT.	
ME 144	412945N0722412.1	LYMAN	1926	160	146	6	28	28	05	36	—	20	—	—	
ME 145	412943N0722424.1	LYMAN	1926	320	120	6	40	40	05	58	—	18	—	—	
ME 153	41322N0722416.1	LYMAN	1926	195	195	6	30	30	05	F	—	10	—	S TILL, 0-64FT.	
ME 164	413033N0722419.1	A HECKLEY	1947	235	135	6	5	2	05	30	8-69	50	—	H KBZ AT 100FT (300PM).	
ME 169	413056N0722419.1	M GRIFFITH	1947	420	180	6	20	18	05	29	9-69	1	—	CA, WELL 2.	
ME 173	413033N0722444.1	BECK LANE CO	1941	310	216	6	—	—	05	20	—	16	—	TILL, 0-34FT.	
ME 174	413033N0722444.1	BECK LANE CO	1941	340	225	6	—	—	05	20	—	16	—	TILL, 0-34FT.	
ME 176	41323N0722440.1	R BOLTON	1963	375	117	6	16	14	04	22	10-63	15	58	—	
ME 177	413047N0722435.1	P MUSCH	1967	320	112	6	66	66	05	F	4-57	5	260	1	DD TILL, 0-65FT.
ME 178	413056N0722418.1	A KOWSFALL	1967	150	44	6	—	—	05	30	8-61	4	102	1	GRATEL, 0-40FT.
ME 179	413060N0722457.1	F CARBONDALE	1962	300	115	6	24	45	05	25	4-62	7	105	1	GRATEL, 0-40FT.
ME 180	41321N0722412.1	V RUMERMAN	1962	230	110	6	40	40	05	15	7-62	12	73	1	GRATEL, 0-55FT.
ME 183	413157N0722457.1	FUCHKO BROS	1955	350	218	6	55	55	05	130	11-55	12	11-55	1	

TABLE I-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	WELL- TUBE- LEVEL (LSO) (FT)	CASING- DIAM- ETER (IN)	CASING (FT) (IN)	DEPTH TO CONOL- ROCK (FT)	MAJOR AQUIFER (FT)	WATER LEVEL (FT)	DATE WATER MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS	
TOWN OF MIDDLEFIELD-CONT.															
MF 184	413201NN0724315.1	F ROBERTS	1956	420	141	16	14	05	60	-56	4	20	H		
MF 185	413170NN0724312.1	R SAPIFIC	1954	730	100	6	18	6	55	758	9	71	H		
MF 186	413169NN0724311.1	R SPOONER	1950	230	105	6	17	12	55	9	13	80	H		
MF 187	413168NN0724309.1	UNKNOW	1961	240	141	6	15	6	40	11-61	5	102	H		
MF 188	413169NN0724308.1	P MILLER	1956	145	141	6	16	4	25	4-56	10	50	H		
MF 190	413050NN0724412.1	MITA	1955	350	65	6	18	14	12	10-56	8	44	H		
MF 192	413022NN0724301.1	DEZEK HROS	1962	170	127	6	44	20	BA	10	1-62	15	H	SAND, 0-20FT.	
MF 193	413138NN0724201.1	ATTIELO MACHESE	1962	195	95	6	21	10	RA	30	3-62	6	H	CATTAIL, 0-60FT.	
MF 194	413226NN0724201.1	ROBERT COLEMAN	1962	350	145	6	81	11	OS	80	5-62	6	H	CA	
MF 195	413154NN0724159.1	VINCENT IETRON	1963	220	160	6	17	7	RA	35	8-53	10	H	CA	
MF 196	413114NN0724149.1	TEKSHURYS GAP	1966	410	250	6	21	10	OS	30	9-66	18	H	CA	
MF 197	412958NN0724200.1	PW FRANCIS	1965	212	190	6	22	12	BA	25	12-65	5	H	CA	
MF 198	413213NN0724237.1	TOM TAYLOR	1965	340	100	6	35	30	OS	20	7-65	40	H	CA	
MF 199	413226NN0724215.1	TR CTAJA	1964	270	225	6	32	20	OS	3-64	3	200	H	CA	
MF 200	413144NN0724151.1	MICHAEL BURGERT	1965	350	130	6	27	4	BA	20	9-65	10	H	CA	
MF 201	413144NN0724143.1	EDWARD KLICK	1964	244	6	22	10	OS	4	4-64	30	236	H	CA	
MF 202	413016NN0724249.1	W.M. MIDDLEFIELD	1963	250	145	6	22	10	BA	25	12-63	11	H	CA	
MF 203	413052NN0724209.1	S DINARO	1963	250	142	6	42	30	OS	22	10-70	5	H	CA	
MF 204	413052NN0724320.1	ROBERT LIPKIN	1966	330	235	6	55	41	OS	20	9-66	20	H	CA	
MF 205	413051NN0724352.1	HAROLD GIBRICH	1966	170	60	6	41	30	BA	20	9-66	40	H	SAND AND GRAVEL, 0-30FT.	
MF 206	413050NN0724427.1	HOWARD T FULLER	1970	500	445	6	12	3	OS	40	12-70	6	445	H	K215-L, D200-L, D200-L, AND GRAVEL, 0-20FT.
MF 207	413050NN0724300.1	LOUIS MICHAEL	1964	170	115	6	31	20	BA	25	10-71	15	H	CA	
MF 208	413101NN0724331.1	PETER GOSTLA	1971	200	145	6	29	24	OS	2	10-71	6	H	CA	
MF 209	413052NN0724330.1	ROBERT CARTER	1971	310	135	6	100	100	OS	30	8-71	3	H	CA	
MF 210	413113NN0724234.1	PETER GOSTLA	1971	210	140	6	36	30	OS	6	10-71	3	H	CA	
MF 211	413018NN0724151.1	JOHN CORONA	1958	250	120	6	14	8	OS	10	6-59	8	H	CA	
MF 212	413014NN0724318.1	IAN GAINE	1971	400	235	6	92	40	HO	40	12-71	4	H	CA	
NT 2	413519NN0724317.1	N MCINERNEY	1905	140	100	6	27	27	OS	28	-05	4	H	CA	
NT 3	413526NN0724317.1	G MANTHEI	1921	148	120	6	100	20	OS	12	6-36	23	H	CA	
NT 4	413615NN0724315.1	J GABANYI	1921	130	140	6	100	40	OS	19	22	5	H	CA	
NT 8	413519NN0724318.1	J MIGGINS	1926	130	49	6	49	18	BA	18	-26	9	H	CA	
NT 79	413309NN0724301.1	J HOWARD	1936	300	30	6	30	30	OS	16	6-36	23	H	CA	
NT 82	413309NN0724117.1	L WELLS	1936	174	174	6	12	12	OS	22	-26	5	H	CA	
NT 102	413212NN0724015.1	H PANDLE	1936	104	104	6	19	19	OS	30	7-33	22	H	CA	
NT 138	413048NN0723405.1	H DANIELS	1934	145	72	6	28	28	OS	10	-13	20	H	SAND AND GRAVEL, 0-82FT.	
NT 159	413314NN0723405.1	S GUIDA	1934	410	146	6	2	1	OS	11	12-52	310	H	CA	
NT 235	413314NN0723420.1	PRATT & WHITNEY	1952	9	55	6	45	63	OS	7	12-53	328	H	CA	
NT 256	413317NN0723353.1	HELCO	1952	22	67	8	57	63	OS	11	1-52	12	H	CA	
NT 258	413315NN0723444.1	HELCO	1952	25	74	8	64	76	OS	14	2-52	411	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 261	413256NN0723351.1	PRATT & WHITNEY	1952	160	75	8	65	76	OS	10	4-56	400	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 262	413256NN0723351.1	PRATT & WHITNEY	1952	155	67	6	24	28	OS	10	4-56	400	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 263	413255NN0723351.2	PRATT & WHITNEY	1952	150	10	24	0	—	OS	4	4-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 264	413224NN0723350.1	PRATT & WHITNEY	1952	128	10	24	0	—	OS	1	4-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 265	413224NN0723350.1	PRATT & WHITNEY	1952	170	7	36	0	—	OS	62	4-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 266	413152NN0723349.1	PRATT & WHITNEY	1952	135	30	6	10	10	OS	62	4-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 267	413225NN0723349.1	PRATT & WHITNEY	1952	180	31	6	15	15	OS	62	4-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 268	413150NN0723401.1	STANLEY PORCZY	1948	200	10A	6	6	6	OS	5	B-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 276	413166NN0723352.1	J C MULLER	—	160	25	0	—	—	OS	0	4-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 283	413144NN0723349.1	W G HANNIFORD	—	200	4	24	0	—	OS	1	5-56	—	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 285	413210NN0723347.1	PRATT & WHITNEY	1953	135	51	6	30	30	OS	3	6-56	1570	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 287	413130NN0723347.1	PRATT & WHITNEY	1956	9	65	12	65	65	OS	7	6-56	1570	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 308	413225NN0723349.1	PRATT & WHITNEY	1956	10	88	12	68	68	OS	7	6-56	1570	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 309	413225NN0723349.1	PRATT & WHITNEY	1956	45	85	8	75	65	OS	22	8-56	9	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 310	413225NN0723349.1	PRATT & WHITNEY	1956	90	96	12	76	76	OS	38	9-56	100	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 321	413225NN0723347.2	PRATT & WHITNEY	1956	50	96	12	76	76	OS	43	9-56	100	H	HW15, HW16, 6-74FT, 8IN, 0-60IN PULLED BACK FROM 77FT WELL 2.	
NT 322	413166NN0723349.1	CITY-MIDDLETON	1936	355	200	—	20	65	—	12	—	—	H	CA	
NT 323	413144NN0723349.1	CITY-MIDDLETON	1971	20	67	18	60	—	OS	15	3-71	100	H	LICRNT: 0-67FT, 28IN, 0-60IN.	
NT 325	413125NN0723349.1	CITY-MIDDLETON	1970	15	60	10	58	58	OS	25	2-64	33	H	LICRNT: 0-67FT, 28IN, 0-60IN.	
NT 326	413135NN0723349.1	CITY-MIDDLETON	1952	45	47	2	47	—	OS	46	3-52	50	H	LICRNT: 0-67FT, 28IN, 0-60IN.	
NT 327	413135NN0723349.1	CITY-MIDDLETON	1952	45	47	2	47	—	OS	46	3-52	50	H	LICRNT: 0-67FT, 28IN, 0-60IN.	
NT 328	413135NN0723349.1	CITY-MIDDLETON	1952	45	47	2	47	—	OS	46	3-52	50	H	LICRNT: 0-67FT, 28IN, 0-60IN.	
NT 329	413135NN0723349.1	CITY-MIDDLETON	1952	45	47	2	47	—	OS	46	3-52	50	H	LICRNT: 0-67FT, 28IN, 0-60IN.	
NT 330	413135NN0723349.1	CITY-MIDDLETON	1952	45	47	2	47	—	OS	46	3-52	50	H	LICRNT: 0-67FT, 28IN, 0-60IN.	
NT 331	413304NN0723349.1	P WILSON	1955	150	194	6	18	18	OS	14	5-56	6	H	HW15, HW16, 6-74FT, 8IN, 0-60IN.	
NT 332	413304NN0723349.1	P DICKERSON	1955	—	145	43	43	43	OS	4	4-56	7	H	HW15, HW16, 6-74FT, 8IN, 0-60IN.	
NT 333	413304NN0723349.1	P CARLSON	1956	380	175	6	14	14	OS	9	5-56	5	H	HW15, HW16, 6-74FT, 8IN, 0-60IN.	
NT 334	413254NN0723349.1	GLESON	1955	200	120	6	14	14	OS	10	2-56	7	H	HW15, HW16, 6-74FT, 8IN, 0-60IN.	
NT 335	413125NN0723349.1	G EYLES	1954	520	215	6	12	12	OS	14	3-52	4	H	HW15, HW16, 6-74FT, 8IN, 0-60IN.	

TABLE I-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALT-TUBE-OF LSD (FT*)	WELL DEPTH (FT*)	CASING DIAMETER (IN.)	CASTING DEPTH (FT*)	ROCK (FT*)	MAJOR AQUIFER (FT*)	WATER LEVEL (FT*)	WATER LEVEL MEASURED (FT*)	DATE TO CONSOLIDATED	WATER LEVEL MEASURED (FT*)	YIELD (GPM)	DRAW DOWN (FT*)	USE OF WATER	REMARKS
TOWN OF MIDDLETON-CONT.																	
WT 336	413023N0723947.1	C A ROWLAND	1956	415	107	6	36	18	05	20	10-56	7	60	H			
WT 337	413147N0723947.1	GLEESON RAILDER	1955	190	179	6	45	40	05	30	10-55	18	30	H			
WT 338	4130136N0723657.1	J GECO	1956	450	179	6	4	4	05	30	10-55	18	30	H		DD.	
WT 339	413157N0723735.1	C W MARRIS	1955	370	105	6	21	0	05	4	12-55	5	45	H		L.	
WT 341	413078N0723024.1	N GAWLAK	1955	330	225	6	120	0	05	95	10-55	6	45	H			
WT 342	413346N0723903.1	JOHN HALISH	1955	350	170	6	46	42	05	30	10-55	7	60	H		TILL, 0-2FT.	
WT 343	413304N0723903.1	FIELD BROTHERS	1956	210	110	468	9	58	45	05	20	7-55	35	80	H		L, WATER HARD AND NOT PALATABLE.
WT 344	413353N0723836.1	W M ANDERSON	1956	253	6	12	4	BA	12	05	20	7-55	2	20	H		CALCRN 15-20FT, CALCRN 15-20FT WEST OF WT 338.
WT 345	413401N0723138.1	JOHN ROGALSKI	1956	200	185	6	26	BA	20	05	20	7-55	5	15	H		C4K1515.
WT 346	413156N0723942.1	ORIN DANIELS	1958	115	6	40	30	5	5	45	05	4-55	5	95	H		SAND AND GRAVEL, 0-30FT.
WT 347	413240N0723106.1	SAFEWAY HEATING	1963	50	600	6	50	30	05	0	8-63	2	600	N		TP 20HRS.	
WT 348	413233N0723314.1	PRATT & WHITNEY	1963	10	78	18	58	—	00	9	1250	15	15	N		L4CRN 15-28FT, 18IN*150FT 72HRS.	
WT 349	413107N0723614.2	THOMAS INGLES	1963	363	109	6	20	12	00	10	7-65	9	—	H			
WT 350	413025N0723836.1	W S BARKER JR	1965	220	6	15	12	3	05	45	8-65	4	4	H			
WT 351	413056N0723948.1	JOSEPH DIAZO	1970	336	175	6	20	9	05	45	10-70	5	153	H			
WT 352	413311N0723427.1	HOWARD LEONARD	1964	441	220	6	15	3	05	30	10-64	4	180	H		K360.	
WT 353	41311N0723021.1	JOSEPH TINE	1965	250	160	6	51	45	05	15	9-65	10	140	H		CA1250, TILL, 0-55FT.	
WT 354	413233N0723651.1	A DISEGNATI	1970	270	250	6	50	50	05	15	8-70	1	205	H		CA1250, TILL, 0-50FT.	
WT 355	413013N0723803.1	J SALONIA JR	1967	175	175	6	19	10	05	25	8-67	4	250	H		CA1250.	
WT 356	413056N0723933.1	ROBERT HURNEY	1966	365	400	6	25	10	05	47	12-65	1	353	H		CA1250.	
WT 357	413121N0723840.1	W H MIZARDO	1964	130	205	6	35	25	05	17	2-64	3	183	H		CA1222, TILL, 0-25FT.	
WT 358	413121N0723841.1	WILLIAM COLEY	1964	208	310	6	31	23	05	10	0-64	2	260	H		CA1250, TILL, 0-25FT.	
WT 359	413243N0723951.1	P BARONOVSKY	1970	100	110	6	23	13	05	20	11-70	50	90	H		CA1250, TILL, 0-70FT.	
WT 360	413316N0723212.1	FRANK J TARULLO	1964	95	100	6	80	70	05	50	10-64	7	100	H		CA1250.	
WT 361	413144N0723116.1	P BARONOVSKY	1964	95	100	6	21	10	05	25	8-64	4	75	H		CA1250.	
WT 362	413252N0723146.1	DONALD EMOND	1965	230	265	6	15	2	05	40	7-66	2	225	H		K5-0, WATER HAS H2S SHELL.	
WT 363	413224N0723136.1	J GADZINSKI	1965	140	100	6	21	3	05	18	2-65	15	60	H		CA.	
WT 364	413112N0723155.1	SIERADZKI	1969	375	175	6	20	8	05	15	11-65	3	157	H			
WT 365	413125N0723645.1	STEVEN SHAPIRO	1968	261	17	4	4	05	15	11-65	3	246	H		TCLAY AND TILL, 0-20FT, 24HRS.		
WT 366	413131N0723034.1	MICHAEL SCHROEDER	1963	230	150	6	41	20	05	51	12-63	40	65	H		CLAY AND TILL, 0-55FT.	
WT 367	413232N0724211.1	DR CONNAN HOME	1964	405	235	6	60	55	05	12	0-64	4	175	H		CLAY AND TILL, 0-55FT.	
WT 368	413233N0724206.1	ST PLUS CHURCH	1966	333	205	6	60	45	05	15	12-64	4	155	H		TILL, 0-55FT.	
WT 369	413152N0724155.1	EDWARD DYPA	1966	345	290	6	65	45	05	15	7-66	25	280	H		CLAY AND TILL, 0-45FT.	
WT 370	413156N0724326.1	WESLEY LEE	1965	265	190	6	65	78	05	25	10-68	18	180	H		TILL, 0-55FT.	
WT 372	413121N0723934.1	GALITTO	1966	245	305	6	21	11	05	40	12-67	18	171	H		TILL, 0-45FT.	
WT 373	413224N0724400.1	T J MCQUINN	1968	271	145	6	24	5	05	8	11-68	4	175	H		CLAY AND TILL, 0-55FT.	
WT 374	413242N0723951.1	CHARLES ZENBA	1968	129	175	6	65	51	05	20	12-68	40	155	H		TILL, 0-55FT.	
WT 375	413156N0723155.1	WILLIAM PELLA	1964	290	250	6	12	3	05	20	1-64	4	220	H		CLAY AND TILL, 0-45FT.	
WT 376	413126N0723155.1	CHARLES ZENBA	1968	190	6	65	58	84	05	20	10-68	18	180	H		TILL, 0-55FT.	
WT 377	413322N0723216.1	S J CASTELLI	1966	420	190	6	16	2	05	19	10-66	18	171	H		TILL, 0-45FT.	
WT 378	413131N0723216.1	THOMAS BIRSEY	1967	352	400	6	58	41	05	40	12-67	3	315	H		SAND AND GRAVEL, 0-45FT.	
WT 379	413106N0723216.1	LEV REALTY	1966	210	350	6	49	42	05	35	7-66	3	220	H		K260, TILL, 0-55FT.	
WT 380	413103N0723923.1	ED HALIBERZ	1964	300	220	6	45	38	05	25	8-64	6	145	H			
WT 381	413156N0723923.1	MILLIAN WARD	1964	300	220	6	12	2	05	25	8-64	6	145	H		K292, TILL, 0-25FT.	
WT 382	413124N0723842.1	RONALD HENSEY	1968	165	160	6	30	21	05	19	7-66	18	141	H		YIELD INSUFFICIENT, ABANDONED.	
WT 383	413130N0723919.1	KNIGHT	1955	368	360	6	14	13	05	25	6-71	1	360	H		L4CRN 15-25FT.	
WT 384	413135N0723914.1	THOMAS INGLIS	1965	325	30	6	14	15	05	20	7-65	1	360	H		YIELD INSUFFICIENT, ABANDONED.	
WT 385	413141N0723735.1	ROBERT CARTWRIGHT	1968	280	285	6	20	17	05	25	6-71	2	360	H		L4CRN 15-25FT.	
WT 386	413131N0723731.2	ROBERT SCRIPPO	1972	20	63	18	48	—	00	20	8-71	700	14	H		L4CRN 15-25FT.	
WT 387	413331N0723735.2	CITY-MIDDLETON	1971	20	68	18	53	—	00	19	7-71	1530	28	H		L4CRN 15-25FT.	
WT 388	413125N0723919.1	WALTER LAWTON	1955	190	96	6	41	11	05	17	9-55	6	757	H		L4CRN 15-25FT.	
WT 389	413133N0723732.1	KNIGHT	1955	20	59	18	47	—	00	18	3-65	205	14	H		L4CRN 15-25FT.	
WT 390	413133N0723733.1	WALTER LAWTON	1955	20	65	18	53	—	00	18	3-65	205	16	H		L4CRN 15-25FT.	
WT 392	413133N0723501.1	CITY-MIDDLETON	1958	20	75	8	65	90	00	14	4-58	14	56	H		C4K1515.	
WT 393	413119N0724525.1	TUBE BENDS INC	1959	80	278	8	51	48	05	7	3-56	10	155	H		C4K1515.	
WT 394	413119N0724525.1	COATING PRODUCT	1961	83	270	6	36	36	05	30	8-61	175	70	H		CLAY, 30 HRS.	
N 392	413125N0724225.1	HIL-VIEW MOTEL	1955	255	165	6	44	21	05	37	10-55	8	195	H		TILL, 0-34FT.	
N 393	413195N0724307.1	GRANTHORN	1959	165	600	10	112	3	05	23	12-56	3	81	H		TILL, 0-24FT.	
N 394	413124N0723016.1	SUSAN LANGER	1956	70	120	6	61	50	05	25	12-56	4	103	H		SAND AND GRAVEL, 0-50FT.	
N 395	413119N0721911.1	JOHN TREYTT	1961	36	61	6	32	30	05	3	5-61	8	67	H		L4CRN 15-25FT.	
OL 1	412019N0722031.1	P H GRAY	1956	99	150	6	35	27	05	10	3-56	10	80	H		GRATE AND TILL, 0-27FT, 15 HRS.	
OL 2	411519N0721911.1	R FISHER	1955	60	220	6	40	21	05	5	10-55	8	195	H		CLAY, 30 HRS.	
OL 3	41125N0721927.1	W THURLOW	1956	70	90	6	23	13	05	24	12-56	3	81	H		TILL, 0-24FT.	
OL 4	412040N0721748.1	W THURLOW	1956	30	120	6	61	50	05	25	12-56	4	103	H		SAND AND GRAVEL, 0-50FT.	
OL 5	411944N0721911.1	JOHN TREYTT	1961	36	61	6	32	30	05	3	5-61	8	67	H		L4CRN 15-25FT.	
OL 6	411724N0721926.1	WALTER LAWTON	1971	22	200	6	20	10	05	20	7-71	20	180	H		GRATE AND TILL, 0-30FT.	
OL 7	41125N0721748.1	RALOCY COAST	1971	40	300	6	110	10	05	30	8-71	1	210	H		SAND AND GRAVEL, 0-30FT.	
OL 8	411724N0721926.1	WALTER LAWTON	1971	40	300	6	110	10	05	30	8-71	1	210	H		SAND AND GRAVEL, 0-30FT.	
OL 9	41125N0721911.1	JAMES R NUVES	1965	60	105	6	44	64	05	16	5-71	5	15	H		C4K1515.	
OL 10	412027N0721919.1	F DEAN	1965	70	105	6	44	64	05	16	5-71	5	15	H		C4K1515.	

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YR&D)	ALTITUDE-TIME OF LSD (FT)	WELL DEPTH (FT)	CASING DIAMETER (IN)	CASING DEPTH (FT)	DEPTH TO CONSOLIDATED ROCK (FT)	MAJOR AQUIFER (FT)	WATER LEVEL (FT)	DATE WATER LEVEL MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
OL 86	412142NN0721739.*	EUGENE MACOY	1971	60	300	6	45	39	OC	25	8-71	2	275	H	CA1 TILL AND BOULDERS, 0-39FT.
OL 87	412012NN0721740.*	C HICKARTH	1966	54	240	6	58	43	OC	25	5-66	1	315	H	CA1 SAND, GRAVEL, 0-45FT.
OL 88	412122NN0721808.*	J SAMMITSREGEN	1972	45	141	6	141	32	OC	15	2-72	20	105	H	CA1 SAND AND GRAVEL, 0-45FT.
OL 89	411555NN0721944.*	ROBERT GROAT	1971	18	351	6	40	32	OC	25	11-71	2	325	H	CA1 TILL, AND GRAVEL, OVER TILL, 0-32FT.
OS 259	411726NN0722357.1	PR DONNELLEY CO	1963	12	55	10	45	63	OC	7	6-63	150	33	N	CA1 SCR145-55FT, 10IN, 0-6IN.
OS 260	411931NN0722340.*	JOSEPH ACKERMAN	1971	48	160	6	43	33	OC	20	1-71	18	160	H	SAND AND GRAVEL, 0-33FT.
OS 261	411922NN0722413.*	DR DONNELLEY CO	1965	12	28	8	20	38	OC	5	12-65	11	12	H	CA1 SCR145-55FT, 10IN, 0-6IN.
OS 262	411924NN0722240.*	W H TUCKER	1968	50	73	6	73	—	OC	25	3-64	5	7	H	CA1, WATER-SORTED AND TREATED FOR FE & MN.
OS 263	411935NN0722346.*	DEAN ZANNI	1964	50	150	6	12	1	OC	10	3-64	18	140	H	CA1, WATER-SORTED AND TREATED FOR FE & MN.
OS 264	412006NN0722333.*	MARCELLA SCHLAG	1965	30	185	6	34	30	OC	13	6-65	20	112	H	CA1, WATER-SORTED AND TREATED FOR FE & MN.
OS 265	411957NN0722232.1	PETER BROMY	1965	25	135	6	66	66	OC	6	11-65	6	119	H	SAND AND GRAVEL, 0-65FT.
OS 266	411955NN0722241.1	BETTER HOME	1965	165	205	6	29	23	OC	25	7-65	50	175	H	TILL, 0-25FT.
P 80	413404NN0723427.*	EARL N RAND	1956	300	143	6	40	38	OC	—	—	6	—	H	TILL, 0-38FT.
P 86	413422NN0723401.*	MARLO HOMES INC	1956	410	87	6	35	15	OC	10	10-56	3	—	H	TILL, 0-15FT.
P 87	413421NN0723407.*	MARLO HOMES INC	1956	390	87	6	24	20	OC	12	11-56	5	—	H	TILL, 0-20FT.
P 93	413447NN0723468.*	HAROLD LARSON	—	308	43	6	16	8	OC	12	10-59	20	—	H	TILL, 0-8FT.
P 96	413422NN0723466.*	WESLEY LEE	1968	425	115	6	25	25	OC	16	10-68	6	—	H	TILL, 0-12FT.
P 97	413431NN0723469.*	JOSEPH HYLAND	1965	432	115	6	28	8	OC	20	4-65	12	95	H	TILL, 0-8FT.
P 98	413433NN0723401.*	JOSEPH HYLAND	1966	390	131	6	26	16	OC	22	7-66	3	298	H	TILL, 0-14FT.
P 99	413434NN0723442.1	& LASTINA	1964	345	131	6	100	90	OC	20	4-64	10	110	H	TILL, 0-9FT.
P 101	413436NN0723407.*	MARLOW HOME INC	1956	160	90	6	25	25	OC	15	8-56	4	75	H	TILL, 0-25FT.
P 102	413446NN0723501.*	T TAYLOR	1964	150	276	6	276	—	OC	120	8-64	20	40	H	SAND, 0-27FT.
P 104	413430NN0723401.*	W P MATHER	1956	420	145	6	23	12	OC	16	12-56	5	114	H	TILL, 0-12FT.
P 105	413448NN0723515.*	ANDREW TARAK	1965	275	6	214	200	200	OC	40	12-65	9	230	H	SAND AND GRAVEL, 0-200FT.
P 106	413357NN0723834.1	A TOMASO INC	1969	25	80	12	67	—	OC	12-60	299	35	N	1 SCR167-80FT, 10IN-0-80FT.	
WE 257	411802NN0722656.1	CONN. WATER CO	1953	10	46	12	28	—	OC	6	5-53	360	28	P	CA1 SCR126-46FT, 42IN, 0-80IN TIP, 96FT WESTBROOK WELL.
WE 261	411242NN0725555.1	CT HIGHWAY DEPT	1960	80	310	9	25	9	OC	—	—	41	—	H	TILL, 0-20FT.
WE 262	411244NN0725555.1	BURNETT CORP	1960	595	6	35	595	595	OC	20	4-60	2	540	H	TILL, 0-20FT.
WE 263	411245NN0725925.1	411245NN0725913.1	411245NN0725925.1	230	195	6	45	10	OC	5	5-68	4	145	H	DO1 SAND, GRAVEL, Boulders, 0-30FT.
WE 264	411255NN0725925.1	KURT SHOWALTER	1971	145	6	35	35	30	OC	5	3-71	8	145	H	DO1 SAND, GRAVEL, Boulders, 0-30FT.
WE 265	411264NN0722825.1	ROBERT DAY	1965	80	100	6	26	25	OC	20	3-65	6	90	H	DO1 TILL, 0-25FT.
WE 266	411271NN0723244.1	WILLIAM TANTIK	1965	115	6	75	75	29	OC	9	4-65	40	95	H	SAND AND GRAVEL, 0-26FT.
WE 267	411271NN0723244.1	K F NICKELSON	1965	63	340	6	80	74	OC	10-65	3	112	H	DO1 TILL, 0-27FT.	
WE 268	411262NN0722553.1	ROBBIE	1962	50	94	2	80	—	OC	8	10-62	50	58	H	L-BONITE TEST WELL 4.
WE 269	411263NN0722501.1	CONN. WATER CO	1960	28	90	9	70	93	OC	5	10-60	245	58	U	L-BONITE TEST WELL 4.
WE 270	411269NN0722600.1	CONN. WATER CO	1969	30	69	12	—	—	OC	2	9-69	40	34	U	L SCR170-90FT, 8IN, 0-20IN TIP, 386FT, 10IN-0-94FT, 2IN, 0-94FT, 12IN.
WE 271	411779NN0722523.1	CONN. WATER CO	1957	8	37	2	—	41	OC	1	10-57	90	—	U	L, GUSTAFSON TEST WELL 8.

Table 2.--Logs of selected wells

Each entry includes well number, location number, owner and driller. Data are from drillers' logs. Underlined terms are interpretations by J. W. Bingham. Well- and location-numbering systems are explained in the text. Additional well information is listed in table 1.

	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
Town of Berlin						
B 318, 413645N0724910.1, B. E. Perzan, Commercial Drilling.						
Soil 0- 10 10	Sand, medium to fine 0- 3 3					
Trap 10- 30 20	Silt and clay, red-brown 3- 19 16					
Sandstone 30-102 72	Gravel and clay (till) 19- 21 2					
B 364, 413811N0724528.1, Rowland Products Co., J. J. Stack.						
Till (bricks) 0- 17 17	Sand, medium coarse, with considerable amounts of red-brown silt and clay 21- 30 9					
Clay, red 17- 31 14	Gravel and clay (till) 30- 33 3					
Brownstone 31-350 319	Sand, medium, with considerable amounts of silt and clay 33- 40 7					
Slate, black 350-400 50	Sand, fine to medium 40- 43 3					
B 366, 413834N0724313.1, W. J. Violette, Charles Rhodes & Sons.						
Till 0- 5 5	Sand, fine to very coarse, reddish-brown with increase of silt and clay 43- 51 8					
Clay 5- 25 20	Silt, composed of clay and gravel 51- 58 7					
Hardpan (till) 25- 70 45	Sandstone, red 58- 64 6					
Brownstone 70-157 87						
B 367, 413622N0724746.1, P. H. Larson, J. J. Stack.						
Gravel and sand (till) 0- 10 10	Clay, red-brown, with some fine to medium gravel 0- 10 10					
Shale 10- 25 15	Clay, silt, and fine to medium red-brown sand, with small amounts of gravel 10- 20 10					
Brownstone 25- 75 50	Gravel, fine to medium, red-brown, with silt and clay; appears to be stratified into distinct beds 20- 40 20					
Slate, blue 75-100 25	Gravel, fine to coarse, red-brown, with considerable amounts of silt and clay 40- 50 10					
Brownstone 100-160 60	Sand, medium to coarse, red-brown, with large amounts of silt and clay and some fine gravel 50- 60 10					
B 369, 413552N0724843.1, Brookview Hills Development, Rizza Drilling Corp.						
Sand and gravel 0- 60 60	Silt and clay, red-brown, with some medium sand 60- 82 22					
Rock, red 60- 70 10	Shale 82- 87 5					
Trap 70-150 90						
B 371, 413831N0724361.1, Liberty Industries, Inc., New Britain Well Drilling.						
Gravel, medium, and hardpan 0- 30 30	Till, artificial, peat, and medium gravel 0- 8 8					
Sand, fine, and water 30- 40 10	Sand, medium to coarse 8- 11 3					
Clay, brown, packed 40- 94 54	Gravel, medium, with considerable amounts of clay 11- 15 4					
Shale, gray 94-175 80	Gravel and cobbles with considerable amounts of silt and clay stratified into distinct beds 15- 35 20					
B 373, 413515N0724741.1, Fish and Wildlife, Unit of D.E.P., S. B. Church Co.						
Sand, fine, and clay 0- 10 10	Gravel, medium to coarse, inter-stratified with clay 35- 45 10					
Sand, medium, and clay 10- 20 10	Till composed of clay and cobbles 45- 53 8					
Sand, coarse, and clay 20- 25 5	Sandstone, red 53- 55 2					
Sand, coarse, and gravel 25- 46 21	Refusal 55- 59 4					
Hardpan, gravelly 46- 48 2						
Refusal at 48						
B 374, 413558N0724725.1, Conn. Yankee Girl Scout Council, Genest Well Drilling, Inc.						
Clay and broken trapprock (till) 0- 10 10	Silt and clay 0- 15 15					
Trapprock, large 10- 15 5	Sand, coarse, and gravel with some clay 15- 29 14					
Trapprock, solid 15- 30 15	Sand, coarse, and medium gravel 29- 33 4					
Shale, red 30- 45 15	Till composed of clay and cobbles 33- 34 1					
Shale, gray 45- 90 45	Sandstone, red 34- 42 8					
Brownstone 90-110 20						
Shale, gray 110-200 90						
Brownstone 200-255 55						
Shale, gray 255-270 15						
Brownstone 270-380 110						
Shale, gray 380-390 10						
Shale, red 390-400 10						
B 377, 413841N0724407.1, R. F. Lamarre, Genest Well Drilling, Inc.						
Sand, brown 0- 6 6	Sand, very fine to very coarse, reddish-brown, and fine to coarse gravel; trace of silt and clay 0- 22 22					
Sand and clay 6- 58 52	Sand, very fine to fine, rare coarse to very coarse, reddish-brown to tan; trace of silt 22- 27 5					
Sand 58- 64 6	Sand, fine to very coarse, reddish-brown, and small to medium gravel; trace of silt 27- 42 15					
Brownstone 64-140 76	Refusal at 42					
B 378, 413857N0724529.1, Skinner Precision, Inc., J. J. Stack.						
Till 0- 5 5	Sand, fine to very coarse, reddish-brown to brown, and medium to coarse gravel; reddish-brown clay and silt 0- 22 22					
Clay 5- 30 25	Clay, reddish-brown to brown; trace of fine sand and medium gravel 22- 32 10					
Sand 30- 32 2	Sand, very fine to very coarse, reddish-brown to green; reddish-brown to brown silt and clay 32- 39 7					
Brownstone 32-160 128	Refusal at 39					
Slate, blue 160-170 10						
Sandstone, red 170-300 130						
B 382, 413608N0724758.1, Joseph Tink, Rizza Drilling Corp.						
Topsoil 0- 2 2						
Soil, loose (sand) 2- 29 27						
Rock, red 29-110 81						
B 384, 413735N0724501.1, Town of Berlin, S. B. Church Co.						
Sand, medium to fine 0- 3 3	Clay, reddish-brown, and fine to very coarse sand 0- 22 22					
Silt and clay, red-brown 3- 19 16	Sand, fine to very coarse, white to green, and reddish-brown clay; rare small gravel 22- 27 5					
Gravel and clay (till) 19- 21 2	Sand, fine to very coarse, reddish-brown; rare small gravel; trace of silt and clay 27- 32 5					
Sand, medium coarse, with considerable amounts of red-brown silt and clay 21- 30 9	Sand, fine to very coarse, reddish-brown; trace of silt and clay 32- 47 15					
Gravel and clay (till) 30- 33 3	Sand, fine to very coarse, reddish-brown with increase of silt and clay 47- 52 5					
Sand, medium, with considerable amounts of silt and clay 33- 40 7	Sand, very fine to fine, reddish-brown with silt; some clay; trace of medium to coarse sand 52- 57 5					
Sand, fine to medium 40- 43 3	Sand, fine to very coarse, reddish-brown; clay and silt 57- 67 10					
Till, composed of clay and gravel 43- 51 8	Refusal at 73.5					
Sandstone, red 51- 58 7						
B 390, 413801N0724433.1, Town of Berlin, S. B. Church Co.						
Sand, medium to fine 0- 3 3	Clay, reddish-brown, and fine to very coarse sand 0- 22 22					
Silt and clay, red-brown 3- 19 16	Sand, fine to very coarse, white to green, and reddish-brown clay; rare small gravel 22- 27 5					
Gravel and clay (till) 19- 21 2	Sand, fine to very coarse, reddish-brown; rare small gravel; trace of silt and clay 27- 32 5					
Sand, medium coarse, with considerable amounts of red-brown silt and clay 21- 30 9	Sand, fine to very coarse, reddish-brown; trace of silt and clay 32- 47 15					
Gravel and clay (till) 30- 33 3	Sand, fine to very coarse, reddish-brown with increase of silt and clay 47- 52 5					
Sand, medium, with considerable amounts of silt and clay 33- 40 7	Sand, very fine to fine, reddish-brown with silt; some clay; trace of medium to coarse sand 52- 57 5					
Sand, fine to medium 40- 43 3	Sand, fine to very coarse, reddish-brown; clay and silt 57- 67 10					
Till, composed of clay and gravel 43- 51 8	Refusal at 73.5					
Sandstone, red 51- 58 7						
B 391, 413758N0724428.1, Town of Berlin, S. B. Church Co.						
Sand, medium to fine 0- 3 3	Clay, light brown, and fine to coarse, reddish-brown sand 0- 27.5 27.5					
Silt and clay, red-brown 3- 19 16	Sand, very fine to very coarse, dark brown; rare small gravel; trace of silt 27.5- 37.5 10					
Gravel and clay (till) 19- 21 2	Sand, very fine to very coarse, brown to reddish-brown, and small to medium gravel; trace of silt and clay 37.5- 47.5 10					
Sand, medium coarse, with considerable amounts of red-brown silt and clay 21- 30 9	Sand, very fine to fine, dark brown; trace of medium to coarse sand, clay, and silt 47.5- 52.5 5					
Gravel and clay (till) 30- 33 3	Sand, very fine to very coarse, reddish-brown to dark brown; clay and silt 52.5- 57.5 5					
Sand, medium, with considerable amounts of silt and clay 33- 40 7	Sand, fine to very coarse, dark brown, and medium to large gravel; silt and clay 57.5- 62.5 5					
Sandstone, red 34- 42 8	Sand, very fine to fine, dark brown; rare fine to medium gravel; silt and clay 62.5- 75 12.5					
B 392, 413740N0724502.1, Town of Berlin, S. B. Church Co.						
Sand, very fine to fine, red; red clay and silt 0- 27.5 27.5						
Sand, fine to very coarse, reddish-brown, and angular to well rounded gravel; trace of silt and clay 27.5- 37.5 10						
Sand, coarse, with some fine to medium, reddish-brown 37.5- 42.5 5						
Sand, medium to very coarse and some fine, reddish-brown; rare small gravel; trace of silt and clay 42.5- 51 8.5						
Refusal at 51						
B 393, 413514N0724738.1, Fish and Wildlife, Unit of D.E.P., R. E. Chapman Co.						
Topsoil 0- 5 5						
Gravel, medium 5- 27 22						
Gravel, medium (heaved) 27- 32 5						
Gravel, medium 32- 37 5						
Gravel, fine (heaved) 37- 43 6						
Gravel, medium 43- 47 4						
B 394, 413456N0724633.1, J & J Nursery, Driller unknown.						
Sand, coarse 0- 20 20						
Sand, water-bearing 20-129 109						
Clay 129-131 2						
Sandstone, red 131-216 85						
B 400, 413858N0724511.1, New England Metalurgical Co., R. E. Chapman Co.						
Hardpan and gravel (till) 0- 30 30						
Clay, red 30- 38 8						
Gravel, coarse; trace of clay 38- 40 2						

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

Town of Chester	Depth (feet)	Thick-ness (feet)	Town of Cromwell	Depth (feet)	Thick-ness (feet)	Town of Durham	Depth (feet)	Thick-ness (feet)
CH 267. 412447N0722554.1. Connecticut Water Co., Layne-New England.			CR 251. 413626N0723955.1. S. Kallish, J. J. Stack.			D 55. 412903N0724056.1. Jensens Inc., Rachbauer Bros.		
Mud, silty	0- 20	20	Sand, coarse	0- 18	18	Loam, sandy (till)	0- 4	4
Sand, very fine to medium	20- 35	16	Sand, fine	18- 42	24	Stone, brown	4-100	95
Sand, medium; some gravel	35- 72	36	Brownstone	42-108	66	Stone, gray	100-125	25
Sand, coarse	72- 82	10			Stone, brown	125-312	187	
Sand, medium; some gravel	82-105	23	CR 322. 413738N0723941.1. J. Leghorn's Nursery, J. J. Stack.					
Sand, coarse	105-115	11	Sand, coarse	0- 25	25	D 57. 412925N0724105.1. Wm. Parsons Co., Rachbauer Bros.		
Refusal	at 116		Quicksand	25-125	147	Soil, sandy, and hardpan (till)	0- 20	20
CH 268. 412443N0722552.1. Connecticut Water Co., Layne-New England.			Clay	172-175	3	Rock, broken and loose	20- 40	20
Mud, silty	0- 20	20	Brownstone	175-287	112	Redrock	40-182	142
Mud, silty; trace fine sand	20- 31	11	CR 325. 413542N0723949.1. F. Pallino, Rizza Drilling Corp.			D 62. 412738N0724147.1. J. G. Grossman, (Butch) Paganetti Well Drilling Co.		
Sand, fine to medium	31- 41	10	Sand	0- 35	35	Hardpan	0- 7	7
Sand, fine to coarse	41- 57	16	Clay	35- 85	50	Rock, weathered	7- 10	3
Sand, fine to medium	57-115	59	Sandstone, red	85-265	180	Brownstone	10- 97	87
Refusal	at 116							
Town of Clinton			CR 329. 413617N0724239.1. C. Cromwell, J. J. Stack.			D 107. 412807N0724035.1. Joseph Bertolini, Frank Garigliano.		
CL 190. 411741N0723145.1. Connecticut Water Co., R. E. Chapman Co.			Sand and fine gravel	0- 25	25	Clay (till)	0- 30	30
Topsoil and gravel	0- 10	10	Clay, red	25-104	79	Gravel and sand	30- 55	25
Gravel, medium	10- 20	10	Brownstone	104-185	81	Sandstone	55-200	145
Sand and gravel	20- 35	15						
Gravel, medium	35- 45	10	CR 330. 413618N0724239.1. R. Krashev, J. J. Stack.			Town of Deep River		
Sand and gravel	45- 70	25	Sand, medium	0- 20	20	DR 13. 412123N0722901.1. William Ressler, Mike Rank.		
Gravel, medium	70- 75	5	Hardpan	20- 50	30	Sand and boulders (till)	0- 30	30
Sand, medium	75- 80	5	Clay, red	50- 61	11	Schist, mica, dark gray	30-100	70
			Brownstone	61-140	79	Rock, very soft, light colored	100-185	85
CL 191. 411824N0723500.1. Connecticut Water Co., Layne-New England.			Shale, blue	140-165	25	Schist, mica, dark gray	185-230	45
Fill	0- 4	4	CR 331. 413658N0724201.1. D. Lucco, Staven Bros.			Rock, very soft, light colored	230-265	35
Sand, fine to coarse, yellow-brown; trace of gravel	4- 30	26	Sand and gravel	0- 10	10			
Sand, fine to coarse, tan; fine to coarse gravel	30- 40	10	Hardpan (basalt)	10-250	240	Town of East Haddam		
Sand, medium to coarse, tan; trace of fine sand; trace of fine gravel	40- 55	15	Bedrock (shale)	250-340	90	EHD 327. 412571N0722140.1. Louise Halperin, Tonys Well Drilling.		
Same as above with more fines	55- 60	5	CR 336. 413712N0724224.2. Richard Wise, J. J. Stack.			Gravel mixed with hardpan and boulders (till)	0- 40	40
Sand, fine to coarse, tan; gravel	60- 63	3	Sand mixed with large stones (till)	0- 30	30	Rock, medium, dark, mixed with granite, shale, and silt	40-180	140
Sand, fine to coarse, tan; fine to coarse gravel	63- 78	15	Hardpan	30-110	80	Sand rock, hard, dark	180-230	50
Sand, medium to coarse, tan; trace of fine sand; trace of coarse gravel	78-100.5	22.5	Clay	110-137	27			
			Slate and redrock	137-275	138	Town of East Hampton		
CL 199. 41740N0723413.1. Connecticut Water Co., Layne-New England.			CR 346. 413728N0724033.1. Toby's Package Store, J. J. Stack.			EHM 369. 413344N0723201.1. Town of East Hampton, Engineering Services, Inc.		
Topsoil, silt, and sand	0- 20	20	Sand	0- 16	16	Fill	0- 4.5	4.5
Sand, fine to coarse, silt, and boulders	20- 50	30	Clay	16- 20	4	Sand, fine to medium	4.5- 8	3.5
Sand, fine, silt, and clay	50- 60	10	Shale	20- 22	2	Peat	8- 23	15
Gravel, fine to medium, and sand	60- 82	22	Brownstone	22- 90	68	Sand, fine; silt; trace of peat	23- 33	10
Sand, gray, and silt	82- 84	2	CR 349. 413542N0723950.1. F. Pallino, Rizza Drilling Corp.			Sand, fine, and silt	33- 42	9
			Sand, fine to medium, and gravel	42- 48	6	Sand, fine	48- 52	4
CL 200. 411744N0723414.1. Connecticut Water Co., Layne-New England.			Sand, medium to coarse, and gravel	52- 57	5	Sand, coarse, and gravel	52- 61.5	4.5
Topsoil	0- 3	3	CR 350. 413616N0724021.1. Lord Cromwell Hotel, Frank Garigliano.			Refusal	57- 61.5	4.5
Sand	3- 5	2	Sand and gravel	0- 25	25			
Sand, fine to coarse, and large cobbles	5- 10	5	Clay and gravel	25- 70	45	EHM 370. 413340N0723156.1. Town of East Hampton, Engineering Services, Inc.		
No sample	10- 15	5	Rock, red, and gray shale	70-245	175	Peat	0- 2	2
Sand, fine to coarse, and cobbles	15- 25	10			Sand, fine to medium	2- 15	13	
Sand, fine, cobbles, and boulders	25- 35	10			Sand, medium to fine	15- 30	15	
Sand, fine to coarse	35- 38	3			Sand, medium to coarse, and gravel	30- 42	12	
Sand, fine to coarse, and tan cobbles	38- 50	12			Sand, medium to fine	42- 56	14	
Sand, fine, gray; some coarse sand and cobbles	50- 60	10			Hardpan, cemented	56- 58	2	
Sand, coarse; some fine sand, and cobbles	60- 84	24						
			CR 351. 413612N0724021.1. Lord Cromwell Hotel, Frank Garigliano.			EHM 376. 413326N0723347.1. Midstate Planning Agency, Water Exploration and Development Corp.		
CL 212. 411716N0723039.1. Town and Country Holes, Driller unknown.			Sand and gravel	0- 22	22	Sand, medium, and organic material; trace of fine and coarse sand	0- 14	14
Hardpan (till)	0- 8	8	Traprock	22-105	83	Sand, fine to medium; some silt and organic material	14- 18	4
Sand, fine, pea gravel, and boulders	8- 51	43	Shale	105-155	50	Clay, silty, gray	18- 24	6
Granite	51-210	159	Redrock	155-180	25	Sand, coarse to very coarse, with silt and small gravel	24- 28	4
			Shale	180-212	32	Sand, coarse to very coarse, and small gravel	28- 37	9
CL 217. 411740N0723412.1. Connecticut Water Co., Layne-New England.			Redrock	212-232	20	Sand, coarse to very coarse, and small gravel	37- 40	3
Fill and peat	0- 5	5			Sand, very coarse, and small gravel; little fine and medium sand	40- 54	14	
Sand, fine, and silt	5- 51	46			Refusal	at 54		
Sand, coarse, and gravel	51- 61	10	CR 352. 413628N0724010.1. Cromwell Hills, Inc. Water Exploration and Development Corp.					
Sand, fine, and silt	61- 65	4	Sand and gravel	0- 15	15	EHM 379. 413308N0723215.1. Milton Davis, Castle Well Drilling.		
Sand, fine, and cobbles	65- 74	9	Clay (till)	15- 45	30	Clay (till)	0- 15	15
Gravel, coarse, and sand	74- 88	14	Sandstone	45- 83	38	Granite, white	15- 30	15
			Shale	83-168	85	Shale and mica (schist)	30-187	157
Town of Colchester			Traprock	168-294	126			
CO 316. 413644N0721947.1. Town of Colchester, Layne-New York.			Sandstone	294-348	54			
Sand, fine, and wet, loose, brown silt	0- 25	25						
Sand, fine to medium, brown	25- 30	5						
Sand, fine, with loose, brown silt	30- 60	30						
Sand, fine to medium, with gravel and boulders	60- 75	15						
Sand, fine, and silt (bedrock)	75- 79	4						

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	
<u>Town of East Hampton--Cont.</u>						
EHM 391, 413604N0723139.1. Howard Brown, C. S. Fowler Co.		6 374, 411732N0724132.1. Connecticut Water Co. R. E. Chapman Co.		HD 454, 412905N0723508.1. C. P. Maynard, Driller unknown.		
Hardpan (till).....	0- 4	4	Clay, soft, gray	0- 15	15	
Feldspar (pegmatite).....	4- 60	56	Gravel, coarse, gray	15- 50	35	
Granite, salt and pepper	60-280	220	Sand, coarse, brown	50- 60	10	
Granite, salt and pepper	60-280	220	Sand, coarse, dark brown	60- 65	5	
Refusal	at 50	13	Sand, coarse, brown	65- 75	10	
Refusal	at 50	13	Sand, coarse, brown	75- 86	11	
EHM 409, 413304N0722703.1. Fish and Wildlife, Unit of D.E.P. R. E. Chapman Co.		6 387, 412142N072409.1. H. B. Bullard, Frank E. Nann & Son.		HB 10, 414008N0722259.1. Caron Bros., Orlin Lee,:		
Sand, brown, gravel, and boulders ..	0- 10	10	Traprock	0-110	110	
Sand, medium, brown, and gravel ..	10- 25	15	Sandstone	110-165	55	
Sand, fine, brown, and gravel	25- 37	12	Traprock	165-190	25	
Sand, brown, and gravel	37- 50	13				
Refusal	at 50	13				
EHM 410, 413303N0722658.1. Fish and Wildlife, Unit of D.E.P. R. E. Chapman Co.		6 389, 411910N0722602.1. Pinewood Estates, Inc. S. B. Church Co.		HB 14, 413702N0721946.1. Anthony Sylvester, Well Drillers Inc.		
Sand, fine, brown, and boulders ..	0- 8	8	Hardpan, gravel	0- 10	10	
Sand, brown, and sharp gravel	8- 25	17	Clay	10- 14	4	
Sand, coarse, and gravel	25- 36	11	Hardpan, gravelly	14- 21	7	
Sand, fine, brown	36- 44	8	Sand, coarse, and gravel mixed with clay	21- 28	7	
Sand, red-brown, and gravel	44- 56	12	Hardpan, gravelly	28- 37	9	
Sand, fine, brown, and small gravel ..	56- 58	2	Ledge	37- 40	3	
Refusal	at 58	2				
<u>Town of Essex</u>						
ES 90, 412212N0722331.1. Heritage Cove Apartments. S. B. Church Co.		6 400, 411914N0724109.1. R. A. J. Builders, William J. Aronson.		HB 26, 414043N0722118.1. David Boxers, Stavens Bros., Inc.		
Sand, coarse, and gravel	0- 12	12	Gravel, loose (1")	0- 10	10	
Sand, medium to coarse	12- 35	23	Sand, fine, loose, white	10- 18	8	
Sand, fine, with clay	35- 40.5	5.5	Silt, brown	18- 60	42	
ES 91, 412212N0722331.2. Heritage Cove Apartments. S. B. Church Co.		6 401, 411918N0724054.1. Shore Valley Builders. S. B. Church Co.		HB 34, 413956N0722422.1. Jeff Odell, Stavens Bros., Inc.		
Sand, coarse, and gravel	0- 12	12	Swamp mud	0- 2	2	
Sand, medium to coarse	12- 35	23	Sand, coarse, and cobbles	2- 6	4	
Sand, fine, with clay	35- 63	28	Sand, coarse	6- 11	5	
Clay and silt with some coarse sand ..	63- 68	5	Sand, red	11- 17	6	
Hardpan	68- 70	2	Sand, fine, and clay	17- 26	9	
ES 92, 41213N0722414.2. Connecticut Water Co. R. E. Chapman Co.		6 402, 41213N0722414.2. Connecticut Water Co. R. E. Chapman Co.		HB 35, 413843N0722159.1. John Paulina, Orrin Lee.		
Gravel, coarse, brown	0- 15	15	Clay, red	26- 40	14	
Sand, medium, brown	15- 32	17	Sand, coarse; some pea gravel	40- 42	2	
Gravel, red-brown, brown	32- 40	8	Sand, medium to coarse; some clay	42- 47	5	
Sand, medium	40- 45	5	Hardpan	47- 50	3	
Gravel, medium, brown	45- 52	7		50- 51	1	
Sand, silty, brown	at 52		<u>Town of Haddam</u>			
ES 99, 412024N0722327.1. Fred Edmond, M. L. Real.		HD 414, 412831N0722992.1. Northeast Utilities, S. B. Church Co.		K 148, 412127N0723353.1. Fred Winkel, Esq., Rachbauer Bros.		
Glacial drift and broken rock (till)	0- 25	25	Sand, medium	0- 10	10	
Granite, soft	25-100	75	Silt and clay, gray	10- 77	67	
Granite, hard	100-116	16	Sand, coarse, and clay	77- 80	3	
ES 100, 412103N0722443.1. Valley Metallurgical Processing Co., Inc. S. B. Church Co.		6 415, 412845N0722929.1. Northeast Utilities, S. B. Church Co.		K 170, 412146N0723241.1. Marcinek, R. C. Chapman Co.		
Gravel	0- 15	15	Silt and fine gray sand	0- 13	13	
Silt, fine, sand, and clay	15- 38	23	Sand, coarse, and gravel	13- 57	44	
Sand, clean	38- 45	7	Hardpan	at 57		
Sand, dirty, gray	45- 55	10	<u>Town of Haddam</u>			
Sand, coarse, dirty, and gravel ..	55- 69	14	HD 416, 412847N0722940.1. Northeast Utilities, S. B. Church Co.		K 170, 412146N0723241.1. Marcinek, R. C. Chapman Co.	
Sand, dirty; some clay	69- 80	11	Silt and fine gray sand	0- 15	15	
Sand and gravel, dirty	80- 90	10	Sand, coarse, and gravel	100-105	5	
Hardpan	90- 95	5	Sand, fine	105-114	9	
Ledge	at 95		Hardpan	114-116	2	
ES 103, 412042N0722330.1. Sealey, Rizza Drilling Corp.		HD 416, 412847N0722940.1. Northeast Utilities, S. B. Church Co.		L 205, 412304N0722100.1. L. H. Baker, E. D. Hammond, Inc.		
Sand	0- 20	20	Silt and fine gray sand	0- 15	15	
Gravel, coarse	20- 30	10	Sand, coarse, and gravel	15- 47	32	
Gravel and hardpan	30- 90	60	Hardpan	at 47		
Granite	90-185	95	<u>Town of Lebanon</u>			
ES 112, 412106N0722651.1. Dennis Dodds, M. L. Real.		HD 442, 412647N0723507.1. James Casella, Edward Garboski.		LB 2, 413724N0721921.1. Besek Lake Water Co., Austin.		
Loam, gravelly	0- 30	30	Sand and gravel (till)	0- 20	20	
Granite, soft, gray	30-130	100	Ledge, soft	20- 40	20	
Granite	130-148	18	Ledge, granite	40-115	75	
ES 116, 412136N0722441.1. Connecticut Water Co. R. E. Chapman Co.		HD 443, 412708N0722929.2.1. Michael Massina, Castle Water Well Drilling Co.		L 205, 412304N0722100.1. L. H. Baker, E. D. Hammond, Inc.		
Sand, brown	0- 20	20	Sand, fine, yellow	0- 35	35	
Sand and medium brown gravel	20- 30	10	Granite, medium, light gray	35-125	90	
Gravel, medium, gray	30- 40	10	Granite, coarse, dark gray	125-195	70	
Gravel, medium, gray, and medium sand	40- 48	8	Granite, fine, hard, gray	195-225	30	
Sand, silty, and clay	48- 54	6	Granite, medium, dark gray	225-290	65	
Hardpan	54- 56	2	Sand, fine, and boulders	0- 6	6	
Ledge	at 56		Sandstone (schist)	6- 24	18	
ES 117, 412116N0722424.1. Connecticut Water Co. S. B. Church Co.		HD 447, 412746N0722950.1. F. J. Kelsey, Castle Water Well Drilling Co.		Granite, gray	24- 80	56
Topsoil	0- 3	3	Mica and sandstone (schist)	80-100	20	
Gravel	3- 10	7	<u>Town of Lynde</u>			
Sand, coarse	10- 25	15	Loam	0- 2	2	
Sand, medium	25- 43	18	Sand, fine	2-125	123	
Hardpan	43- 54.5	11.5	Granite	125-268	143	
Ledge	at 54.5		<u>Town of Lynde</u>			
ES 117, 412116N0722424.1. Connecticut Water Co. S. B. Church Co.		HD 447, 412746N0722950.1. F. J. Kelsey, Castle Water Well Drilling Co.		L 206, 412128N0722148.1. F. Jones, E. D. Hammond, Inc.		
Topsoil	0- 3	3	Sand and gravel	0- 35	35	
Gravel	3- 10	7	Sand, fine	35- 52	17	
Sand, coarse	10- 25	15	Granite	52-353	301	
Sand, medium	25- 43	18	<u>Town of Lynde</u>			
Hardpan	43- 54.5	11.5	Loam	0- 3	3	
Ledge	at 54.5		Sand	3- 15	12	
			Sand, hard packed	15- 30	15	
			Rocky, gray	30-133	103	
			<u>Town of Lynde</u>			
			L 216, 412319N0722321.1. Parker Lord, M. L. Real.			
			Topsoil	0- 2	2	
			Gravel	2- 20	18	
			Granite, hard, white	20-185	166	

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

Town of Lyne--Cont.	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	
L 217. 412444N0722016.1. Eva Leffingwell, George Wilkie.								
Sand and gravel	0- 20	20	Topsoil; fine-grained, silty, reddish-brown sand and boulders	0- 5	5	Silt, black	0- 15	15
Hardpan and boulders	20-100	80	Sand, fine, angular to subrounded coarse gravel, and cobbles	5- 15	10	Silt, black, and fine sand; wood	15- 20	5
Rock	100-142	42	Sand, coarse to very coarse; gravel	15- 20	5	Sand, fine, brown, and silt	25- 30	5
L 223. 412316N0722056.1. John Sloane, Speirs Drilling Co.			Sand, fine to coarse; some medium gravel	20- 36	16	Sand, fine, dirty, silt, and fine gravel	30- 35	5
Hardpan and boulders (till)	0- 12	12	Sand, coarse, to fine gravel	36- 58	22	Sand, medium, dirty	35- 40	5
Ledge, soft	12- 16	4	Sand, fine to coarse	58- 71	13	Sand, clean	40- 50	10
Gneiss; gray; abundant mica, gold color at 40-50 ft	16-300	284	Refusal; probably bedrock	at 71		Ledge (schist)	50- 63	13
L 224. 412421N0721811.1. William McCourt, Speirs Drilling Co.								
Gravel, coarse, and boulders	0- 32	32	Sand, medium to coarse, and fine, yellowish-gray gravel	0- 20	20	Sand, medium, dirty, and silt	25- 35	10
Gneiss, gray	32-150	118	Sand, fine	20- 40	20	Sand, dirty, silt and clay	35- 45	10
Granite, tan (Alaskite)	150-200	50	Sand, coarse, and gravel	40- 50	10	Sand, dirty, silt and clay; some gravel	45- 50	5
L 227. 412204N0721752.1. Maxine Sicord, The Able Drillers & Pump Co.			Sand, coarse; fine to coarse gravel; occasional pebbles	50- 65	15	Gravel, coarse, and sand	50- 65	15
Gravel, coarse	0- 27	27	Sand, fine to coarse	65- 70	5	Sand, very coarse	65- 70	5
Sand, fine	27- 80	53	Refusal	at 70		Sand, coarse, 1/2 gravel	70- 76	6
Gravel, coarse	80- 90	10				Ledge (schist)	at 76	
L 228. 412226N0722136.1. Joseph Rhodes, Jr. S. B. Church Co.								
Sand, fine	0- 6	6						
Hardpan, gravel	6- 26	20						
Sand, medium to coarse	26- 40	14						
Sand, medium, and clay	40- 60	20						
Sand, fine	60- 65	5						
Sand, medium	65- 76	11						
L 229. 412259N0722117.1. Hudson Bubar, George Wilkie.								
Gravel	0- 10	10						
Hardpan	10- 34	24						
Sand, hard-packed, with boulders; no water	34- 49	15						
Rock, solid	49-133	84						
L 233. 412525N0722317.2. Louis Mildrum, Tony's Well Drilling.								
Dirt, soft, mixed with medium gravel and sand	0- 30	30						
Gravel, large, 1" to 3" in diameter	30- 35	5						
Gravel, large	35- 50	15						
L 235. 412448N0722021.1. Town of Lyne. Driller unknown.								
Sand, very fine to coarse, brown ..	0- 10	10						
Sand, medium to coarse, tight, gray	10- 15	5						
Sand, medium to coarse, loose, gray	15- 43	28						
Sand, very fine, and silt	43- 45	2						
Sand, very fine to coarse, and silt	45- 53	8						
Refusal	at 53							
L 236. 412316N0721716.1. Joseph Dumond, Carl L. Anderson.								
Hardpan and boulders (till)	0- 30	30						
Gravel	30- 40	10						
Ledge, granite, soft	40- 50	10						
Granite, fine (but easily broken down into sand)	50-100	50						
Town of Madison								
PA 289. 411742N0723705.1. Madison High School, S. B. Church Co.								
Sand and gravel	0- 20	20						
Sand, fine	20- 25	5						
Sand, fine, and clay	25- 30	5						
Clay, blue	30- 50	20						
Sand, fine, dirty	50- 57	7						
Ledge, decomposed, broken	57- 67	10						
Ledge, hard, gray	67-400	333						
MA 290. 411740N0723702.1. Madison High School, S. B. Church Co.								
Sand with traces of clay	0- 34	34						
Clay, blue	34- 57	23						
Rock, hard, gray	57-376	319						
MA 296. 411644N0723645.1. Robert Green, Frank E. Nann & Son.								
Sand, fine	0- 35	35						
Hardpan	35- 55	20						
Granite	55-120	65						
MA 307. 411813N0723458.1. Connecticut Water Co. Layne-New England.								
HT 256. 413320N0723456.2. Hartford Electric Light Co. S. B. Church Co.								
HT 260. 413318N0723442.1. Hartford Electric Light Co. S. B. Church Co.								
HT 287. 413300N0723334.2. Pratt & Whitney Aircraft. R. E. Chapman Co.								
HT 288. 413257N0723329.2. Pratt & Whitney Aircraft. R. E. Chapman Co.								
HT 289. 413022N0724191. N. Salamandra. Driller unknown.								
HT 144. 412944N0724243.1. H. E. Lyman, E. D. Hammond, Inc.								
HT 148. 412952N0724316.1. Lyman Farm, Nolan.								
HT 153. 413022N0724191. N. Salamandra. Driller unknown.								
HT 206. 413050N0724427.1. H. T. Fuller. Rizza Drilling Corp.								
HT 208. 413112N0724233.1. Peter Gostyla. Rizza Drilling Corp.								
HT 209. 413112N0724233.1. Peter Gostyla. Rizza Drilling Corp.								
HT 211. 4117								
Traprock	0- 28	28						
Sandstone	28-105	77						
Traprock	105-146	41						
HT 212. 413013N0724191. L. Wells. Murray & Son.								
HT 213. 413113N0724234.1. Peter Gostyla. Rizza Drilling Corp.								
HT 214. 413113N0724234.1. Peter Gostyla. Rizza Drilling Corp.								
HT 215. 413013N0724191. L. Wells. Murray & Son.								
HT 216. 413013N0724191. L. Wells. Murray & Son.								
HT 217. 413013N0724191. L. Wells. Murray & Son.								
HT 218. 413013N0724191. L. Wells. Murray & Son.								
HT 219. 413013N0724191. L. Wells. Murray & Son.								
HT 220. 413013N0724191. L. Wells. Murray & Son.								
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HT 256. 413013N0724191. L. Wells. Murray & Son.								
HT 257. 413013N0724191. L. Wells. Murray & Son.								
HT 2								

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	
Town of Middletown--Cont.						
MT 309. 413253N0723334.1. Pratt & Whitney Aircraft. R. E. Chapman Co.		MT 348. 413233N0723314.1. Pratt & Whitney Aircraft. R. E. Chapman Co.		NB 211. 413911N0724648.1. Coating Products, Inc. J. J. Stack.		
Sand, medium to very coarse; granule to cobble gravel.....	0- 21	21	Clay, red, and sand.....	0- 10	10	
Gravel, pebbles, and medium to coarse sand.....	21- 31	10	Gravel, coarse, red.....	10- 30	20	
Sand, medium to very coarse, and granule to pebble gravel.....	31- 64	33	Sand, medium, and gravel.....	30- 40	10	
Sand, medium to very coarse, and granule gravel; few pebbles; trace of silt.....	64- 75	11	Gravel, medium, and coarse sand.....	40- 55	15	
Sand, medium to very coarse; some granule to pebble gravel.....	75- 80	5	Sand, medium, red.....	55- 65	10	
Sand, fine to very coarse.....	80- 90	10	Gravel, medium to coarse.....	65- 75	10	
Sand, fine to very coarse; some granule gravel.....	90- 95	5	Sand, medium to fine.....	75- 78	3	
Silt and fine to medium sand.....	95-110	15	Refusal.....	at 78		
Ledge (anhydite).....	at 110		MT 385. 413411N07224315.1. Robert Scripto. Edward Garboski.			
MT 321. 413252N0723332.2. Pratt & Whitney Aircraft. R. E. Chapman Co.			F111.....	0- 5	5	
Gravel, granule to pebble (up to 50 mm in diam.), and medium to very coarse sand; some reddish-brown silt and clay; t111-like in part.....	0- 10	10	Clay, silty, brown.....	10- 20	10	
Sand, medium to very coarse, and granule to pebble gravel (up to 50 mm in diam.); some reddish-brown silt and clay.....	10- 80	70	Clay, silty, gray.....	20- 42	22	
Gravel, granule to pebble (up to 50 mm in diam.); occasional cobble; some fine to coarse sand; some silt and clay; ledge (gneiss).....	80- 97	17	Sand, fine to coarse, gray; cobble gravel; silt.....	42- 46	4	
at 97			Sand, coarse, and medium brown gravel.....	46- 56	10	
Gravel, medium, red (t111).....			Sand, medium to coarse, brown, and cobble gravel; silt.....	56- 63.5	7.5	
MT 323. 413331N07233731.1. City of Middletown. R. E. Chapman Co.		MT 387. 413331N0723735.2. City of Middletown. R. E. Chapman Co.		OS 261. 411282N0722413.1. R. R. Donnelley Co. S. B. Church Co.		
Gravel f111.....	0- 7	7	F111, gravelly.....	0- 6	6	
Clay, marine, gray.....	7- 21	14	Sand, fine, red.....	6- 14	8	
Clay, silty, gray.....	21- 44	23	Clay, gray.....	14- 48	34	
Hardpan, gray.....	44- 46	1	Sand, medium, gray.....	48- 55	7	
Gravel, medium, gray.....	46- 48	2	Sand, coarse, gray.....	55- 58	3	
Hardpan, red.....	48- 58	10	Gravel, medium, brown.....	58- 64	6	
Gravel, coarse, brown.....	58- 67	9	Gravel, medium, and brown sand.....	64- 68	4	
MT 324. 413331N072345.1. Hartford Electric Light Co. S. B. Church Co.		MT 389. 413331N0723732.1. Middletown Water Dept. R. E. Chapman Co.		Refusal.....	at 69	
Hardpan (f111 and alluvium).....	0- 30	30	MT 388. 413101N0723909.1. Knight, Rizza Drilling Corp.			
Sand, medium; some silt.....	30- 45	15	F111, gravelly.....	0- 6	6	
Sand, medium to coarse, and gravel; some clay.....	45- 60	15	Sand, fine, red.....	6- 14	8	
Sand, coarse, clean, and gravel; coarse clay layers.....	60- 69	9	Clay, gray.....	14- 48	34	
Hardpan.....	69- 70	1	Sand, medium, red, and gravel (t111?).....	48- 55	7	
Bedrock.....	at 70		Bluestone (shale).....	55- 58	3	
MT 325. 413129N0723752.1. City of Middletown. R. E. Chapman Co.		MT 390. 413331N0723734.1. Middletown Water Dept. Driller unknown.		Gravel, medium, red (t111).....	64- 68	4
Loam and clay.....	0- 1	1	Refusal.....	68- 69	1	
Sand and gravel.....	1- 7	6	MT 392. 413321N0723501.1. Hartford Electric Light Co. S. B. Church Co.			
Clay, firm, red.....	7- 30	23	F111, gravelly.....	0- 6	6	
Silt and clay.....	30- 39	9	Sand, fine to coarse; some gravel.....	6- 41	35	
Sand, fine, fine gravel, and clay.....	39- 47	8	Sand, coarse, and gravel; brown.....	41- 50	9	
Sand, medium, and gravel.....	47- 56	9	Sand, coarse, and gray gravel.....	50- 65	15	
Sand, fine to medium, and fine gravel.....	56- 69	13	Sand, coarse, brown.....	0- 6	6	
Sand, hard packed, gravel, and clay (t111).....	69- 78	9	Clay, silty, gray.....	6- 41	35	
Refusal.....	78- 83	5	Sand, coarse, and gray gravel.....	40- 50	10	
at 83		Sand, fine to medium, red, and some silt.....	50- 75	25		
MT 326. 413135N0723752.1. City of Middletown. Layne-New York Co.		Sand, fine to medium, red, and some silt.....	75- 80	5		
Topsoil.....	0- 3	3	Sand, fine, gray, with silt and clay.....	80- 85	5	
Clay, red.....	3- 20	17	Sand, very fine, red; clay.....	85- 90	5	
Sand, silty, red, and clay.....	20- 33	13	Ledge.....	at 90		
Sand, red, and gravel; bits of clay.....	33- 38	5	MT 393. 41125N0722553.1. Bowles, R. E. Chapman Co.			
Sand, silty, red.....	38- 41	3	F111, gravelly.....	0- 20	20	
Sand, fine, red.....	41- 45	4	Clay, blue-gray, with some red sand.....	20- 35	15	
Sand, red, and gravel.....	45- 47	2	Sand, fine, red, and silt.....	35- 40	5	
MT 341. 413157N0724024.1. N. Gawklik, Morgan & Yelinski.		Sand, fine to medium, red, and some silt.....	40- 50	10		
Hardpan (t111).....	0-100	100	Sand, medium to coarse; red; very little silt.....	50- 75	25	
Clay.....	100-120	20	Sand, fine to medium, red, and some silt.....	75- 80	5	
Brownstone.....	120-225	105	Sand, fine, gray, with silt and clay.....	80- 85	5	
MT 343. 413304N0723903.1. Field Brothers, Rachbauer Bros.		Sand, very fine, red; clay.....	85- 90	5		
Sand and gravel with boulders (t111).....	0- 45	45	Ledge.....	at 90		
Ledge rock, broken and loose.....	45- 55	13	MT 394. 413953N0724307.1. Grantmoor, S. B. Church Co.			
Brownstone.....	55-235	180	F111, gravelly.....	0- 3	3	
Rock, gray (shale).....	235-250	15	Redrock.....	112		
Brownstone.....	250-468	218	Shale, red.....	112-280	168	
		NB 210. 414015N0724525.1. Tube Bends, Inc. J. J. Stack.		Sand, sharp, brown, and small gravel.....	280-600	320
Town of Newington						
N 93. 41125N0724225.1. Hi-View Motel. E. T. Glidden.		Sand, medium, brown, and small gravel.....	30- 42	12		
Hardpan (t111).....		Sand, medium, brown.....	42- 65	23		
Traprock.....		Sand, fine to medium.....	65- 70	5		
		Sand, fine, brown; trace clay.....	70- 80	10		
		Refusal.....	80- 92	12		
		at 92				
Town of New Britain						
NB 210. 414015N0724525.1. Tube Bends, Inc. J. J. Stack.		Sand, sharp, brown, and small gravel.....	23- 30	7		
Hardpan (t111).....		Sand, medium, brown.....	30- 42	12		
Clay, red, and silt.....	0-112	112	Sand, medium, brown.....	42- 65	23	
Redrock.....	112-280	168	Sand, fine to medium.....	65- 70	5	
Shale, gray.....	280-600	320	Sand, fine, brown; trace clay.....	70- 80	10	
		Refusal.....	80- 92	12		
		at 92				
Town of Portland						
P 96. 413427N0723846.1. Wesley Lee. Edward Garbowksi.		Sand, sharp, brown, and small gravel.....	37- 41	10		
Hardpan, yellow (t111).....		Sand, coarse, loose, and 1/2" gravel.....	40- 55	15		
Boulder, gray.....		Sand, medium, brown, and 1/2" gravel.....	55- 60	5		
Hardpan, yellow (t111).....		Sand, coarse, and 1/2" gravel.....	60- 63	3		
Feldspar, soft, gray.....		Refusal.....	at 63			
Feldspar, hard, and mica.....						
Town of Westbrook						
WE 268. 411925N0722553.1. Bowles, R. E. Chapman Co.		Sand, fine to medium.....	0- 35	35		
Sand, fine.....		Sand, fine.....	35- 72	37		
Sand, fine to medium.....		Sand, fine to medium.....	72- 79	7		
Gravel, medium to coarse.....		Gravel, medium to coarse.....	79- 94	15		
Refusal.....		Refusal.....	at 94			
Town of Westerly						
WE 269. 411906N0722601.1. Connecticut Water Co. R. E. Chapman Co.		Sand, coarse, and gravel.....	0- 15	15		
Sand, medium.....		Sand, medium.....	15- 20	5		
Sand, fine.....		Sand, fine.....	20- 30	10		
Sand, medium.....		Sand, medium to coarse.....	30- 60	30		
Sand, fine.....		Sand, fine.....	60- 80	20		
Sand, medium.....		Sand, fine.....	80- 85	5		
Sand, medium.....		Sand, medium.....	85- 93	8		
Ledge.....		Ledge.....	at 93			
Town of Westerly						
WE 270. 411909N0722601.1. Connecticut Water Co. R. E. Chapman Co.		Peat.....	0- 18	18		
Peat.....		Sand, red, and small gravel.....	18- 23	5		
		Sand, fine, brown, and small gravel.....	23- 30	7		
		Sand, sharp, brown, and small gravel.....	30- 42	12		
		Sand, medium, brown.....	42- 65	23		
		Sand, fine to medium.....	65- 70	5		
		Sand, fine, brown; trace clay.....	70- 80	10		
		Refusal.....	80- 92	12		
		at 92				
Town of Westerly						
WE 271. 411709N0722523.1. Connecticut Water Co. R. E. Chapman Co.		Peat.....	0- 4	4		
Sand, fine, gray.....		Sand, fine, gray.....	4- 27	23		
Sand, coarse, gray, and gravel.....		Sand, coarse, gray, and gravel.....	27- 37	10		
Clay, hard, gray, and sharp gravel (t111).....		Clay, hard, gray, and sharp gravel (t111).....	37- 41	4		
Refusal.....		Refusal.....	at 41			

Table 3.--Logs of selected test holes

Under each town, the logs are listed by their town identification number followed by the location number (latitude and longitude), owner, altitude, and where available, the year drilled, depth to water, and driller.

Test-hole and location number: For explanation see "Numbering and location systems" section in text.

Altitude: The land surface at the test-hole site, in feet above mean sea level, is estimated from a topographic map with a contour interval of 10 feet, except at sites of the Connecticut Department of Transportation where land surface altitude is determined by leveling.

Depth to water: Measurements generally made shortly after completion of test hole and may not represent static conditions. Expressed in feet below or above (+) land surface.

Description of earth materials: The terms are those of the driller or geologist; however, some are rearranged. Underlined terms are interpretations by J. W. Bingham. Logs of test holes of the U.S. Geological Survey and of the Connecticut Department of Transportation are based on the corresponding grain-size classification shown in the table at the right. Some Connecticut Department of Transportation logs use terms that approximate the percentage of a grain size within the described interval as follows:

Percent
trace : 0-10
little: 10-20
some : 20-35
and : 35-50

Grain size in millimeters (mm)	Wentworth grade scale for U.S. Geological Survey logs (underlined terms are by J. W. Bingham)	Grade scale used by Conn. Dept. of Transportation before 1959	AASHO Classification used by Conn. Dept. of Transportation since about 1959
256	Boulders		Boulders
64	Cobbles		Cobbles
32	<u>Very coarse gravel</u>		Coarse gravel
16	<u>Coarse gravel</u>		Medium gravel
8	<u>Medium gravel</u>		0.5mm
4	<u>Fine gravel</u>		Fine gravel
2	Very coarse sand		
1	Coarse sand	Coarse sand	Coarse sand
0.5	Medium sand	Medium sand	0.42mm
0.25	Fine sand	Fine sand	0.2mm
0.125	Very fine sand	Fine sand	0.074mm
0.062	Silt	Silt	0.004mm
0.031	Clay	Clay	Clay

Town of Berlin	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)
B 1 th, 41374N0724458.1, Bureau of Highways, Dept. of Transportation, Altitude 38 ft. Drilled 1959. Depth to water 4 ft.			B 3 th, 41384N0724613.1, Bureau of Highways, Dept. of Transportation. Altitude 56 ft. Drilled 1959. Depth to water 5 ft.		B 7 th, 41384N0724533.1, Bureau of Highways, Dept. of Transportation. Altitude 46 ft. Drilled 1959. Depth to water 0 ft.	
Topsoil 0- 1 1			Topsoil, dark brown to black 0- 0.1 0.1		Muck, swamp 0- 1.5 1.5	
Slit, brown 1- 4 3			Slit, brown; little fine to coarse sand; trace fine to coarse gravel; cobbles (fill) 0.1- .5 .4		Slit, tan; some fine sand grading to rotted tan slit 1.5- 3 1.5	
Sand and silt, gray and brown 4- 5 1			Gravel, fine to coarse, brown; some fine to coarse sand; some silt and cobbles (fill)5- 3 2.5		Slit, red, brown; little clay; little fine to medium sand grading to fine sand to medium gravel 3- 4.5 1.5	
Sand, fine to coarse, gray; little silt; little gravel; trace clay; some woodchips to 10 ft depth 5- 13 8			Slit, brown; little fine sand; trace fine gravel and roots (fill) 3- 4 1		Clay, red to brown; trace silt 4.5- 7 2.5	
Sand, fine to coarse, brown; little silt; few thin layers of fine gravel 13- 25.2 12.2			Slit, dark brown to gray; trace fine sand; roots; wood; trace organic material (fill) 4- 6 2		Clay, varved, red to brown; trace silt 7- 13 6	
Sand, medium, brown; trace of silt 25.2- 29.1 3.9			Sand, fine to medium, dark brown to black, and silt; roots; trace organic material (fill) 6- 8 2		Clay, varved, red to brown, and silt 13- 20 7	
Sand, fine to coarse, brown; trace of silt 29.1- 40.5 11.4			Sand, fine to coarse, dark brown; some silt; trace fine to medium gravel (fill) 8- 9 1		Sand, fine, red to brown, and gravel; little silt; little clay (fill) 20- 26.6 6.6	
Sand, coarse, brown; trace of silt 40.5- 44.5 4			Slit, brown to red; some varved clay; trace fine sand; trace fine gravel 13.7- 19 5.3		Rock, soft to medium, red 26.6- 28.5 1.9	
Slit, brown; trace clay 44.5- 52.7 4.2			Slit, brown to red; little varved clay; trace fine sand and gravel 19- 24.5 5.5			
Sand, fine to coarse, brown; silt; some clay (fill) 52.7- 59.4 6.7			Sand, fine to coarse, brown; some fine gravel; trace medium to coarse gravel; little silt (fill) 24.5- 29.5 5		B 8 th, 41384N0724533.1, Bureau of Highways, Dept. of Transportation. Altitude 52 ft. Drilled 1959. Depth to water 6 ft.	
Rock, soft to medium, brown 59.4- 65 5.6			Slit, brown to red; some varved clay; trace cobbles; trace clay (fill) 29.5- 38.5 9		Fill, cinder railroad bed 0- 6 6	
B 2 th, 41384N0724612.1, Bureau of Highways, Dept. of Transportation, Altitude 58 ft. Drilled 1959. Depth to water 2 ft.			Slit, brown to red; some varved clay; trace fine sand; trace fine gravel 3- 4 1		Sand, fine, light brown, and gravel; trace clay 6- 6.6 0.6	
Topsoil, dark brown to black; cinders; glass; tln; cobbles; little coarse to fine sand (fill) 0- 3 3			Slit, brown; little clay 6.6- 9.5 2.9		Slit, tan; little clay 9.5- 10 .5	
Slit, brown; trace fine to coarse sand; fine to coarse gravel and cobbles (fill) 3- 4 1			Slit, red to brown; little clay; little fine sand 10- 10.4 .4		Sand, fine to coarse, red to brown; little gravel; little silt; trace clay 10.4- 18 7.6	
Slit, brown; trace fine to coarse sand; trace fine to medium gravel; trace roots; trace black organic material (fill) 4- 7.5 3.5			Slit, red to brown; some varved clay 18- 23.4 5.4		Silt and clay, varved, red to brown 23.4- 34 10.6	
Sand, red; little coarse to coarse, brown, gray, red, blue, and dark brown; some silt; little fine sand; trace clay; trace gravel; trace organic material (fill) 7.5- 11 3.5			Slit, red; some fine to coarse gravel; trace of cobbles (fill) 24.5- 38.5 9		Slit, red; some clay 34- 39 5	
Sand, fine to coarse, brown, gray, and red; fine to medium, brown, gray and red gravel; some silt; trace coarse gravel and wood (fill) 11- 14.5 3.5			Slit, brown-red; fine to medium sand; roots (fill) 0- 3 3		B 9 th, 41384N0724610.1, Bureau of Highways, Dept. of Transportation. Altitude 78 ft. Drilled 1959. Depth to water 26 ft.	
Slit, brown and red; little varved clay; trace fine to coarse sand; trace fine to medium gravel 14.5- 17 2.5			Slit, brown-red; some fine to coarse sand; trace of fine to coarse sand; trace of grass 3- 7.3 4.3		Cinders 0- 1 1	
Slit, brown and red; little varved clay; trace fine sand 17- 21.5 4.5			Slit, brown-red; some fine to coarse gravel; trace of cobbles (fill) 7.3- 9.4 2.1		Sand, fine, red-brown, to medium gravel; little silt (fill) 1- 21 21	
Sand, fine to coarse, brown and red; some silt; little fine to coarse gravel; trace cobbles (fill) 21.5- 26.5 5			Slit, brown-red; some clay; trace of fine to coarse sand; trace of grass 9.4- 14 4.6		Slit, red-brown; little clay; little medium gravel (fill) 21- 27 6	
Slit, brown and red; some fine to coarse sand; little fine to coarse gravel; trace cobbles (fill) 26.5- 33.5 7			Slit, brown-red; some fine to coarse gravel; trace of cobbles (fill) 14- 16.8 2.8		Slit, brown; little fine sand; trace of decayed vegetation 27- 29 2	
Rock, seamy, brown and red 33.5- 39.1 5.6			Slit, brown-red; some clay 16.8- 23.5 6.7		Slit, light brown; little clay with some fine sand 29- 31 2	
			Clay, red, and gravel 0- 16 16		Sand, fine, red-brown, to medium gravel; trace of silt 31- 34 3	
			Sand, red, red clay, and gravel 16- 27 11		Slit, red-brown; some clay 34- 38 4	
			Sand, coarse; gravel; cobbles 27- 30.5 3.5		Slit, varved, red-brown; varved clay 38- 44 6	
					Sand, fine, red-brown, to gravel; silt; clay (glacial fill) 44- 49.2 5.2	
					Slit, red-brown; some clay 49.2- 58.2 9	
					Traprock, hard, gray 49.2- 58.2 9	

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

Town of Berlin--Cont	Depth (feet)	Thick-ness (feet)	Depth (feet)	Thick-ness (feet)	Depth (feet)	Thick-ness (feet)
B 11 th. 413834N0724524.1. Bureau of Highways, Dept. of Transportation. Altitude 48 ft. Drilled 1959. Depth to water 8 ft.			B 17 th. 413732N0724437.1--Cont.		B 29 th. 413707N0724749.1. Town of Berlin. Altitude 175 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.	
Silt, brown to red; trace clay; trace fine to medium sand; roots 0 - 3	3	Sand, fine, brown; some silt; trace of mica; trace of medium sand 17.5 - 24.2	6.7	Clay, red 0 - 20	20	
Clay, brown to red; some fine to coarse sand; trace fine gravel and silt 3 - 10	7	Sand, fine to coarse, brown-red; some silt; little fine to coarse gravel; cobbles; trace of clay (till) 24.2 - 32	7.8	Sand, fine, with some clay 20 - 25	5	
Clay and silt, brown to red 10 - 16	6	Rock, sandy, brown-red 32 - 34	2	Clay, red 25 - 45	20	
Clay, varved, brown to red 16 - 39	23	Rock, sandy, gray-brown 34 - 40.5	6.5	Bottom of hole at 45		
Gravel, fine to coarse, brown to red; some silt; little fine to coarse sand; little clay; trace cobbles (till) 39 - 44	5	B 18 th. 413732N0724453.1. Bureau of Highways, Dept. of Transportation. Altitude 44 ft. Drilled 1959. Depth to water 7 ft.		B 31 th. 413706N0724749.1. Town of Berlin. Altitude 180 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		
Rock, gray 44 - 48	4	Gravel, and fine to coarse sand, red-brown; trace of cobbles; trace of silt (till) 0 - 1.5	1.5	Clay, red 0 - 20	20	
Rock, brown to red 48 - 49	1	Silt, red-brown; trace of fine gravel (till) 1.5 - 7.5	6	Clay, red; hardpan (till?) 20 - 40	20	
B 12 th. 413759N0724510.1. Bureau of Highways, Dept. of Transportation. Altitude 72 ft. Drilled 1959.		Silt, brown; some clay; trace of decayed grass roots; little medium sand; gradual color change to red-brown 7.5 - 12	4.5	B 32 th. 413706N0724751.1. Town of Berlin. Altitude 180 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		
Silt, red to brown; trace clay 0 - 9	9	Gravel, fine, red-brown; trace of fine to medium sand; trace of silt 12 - 16.5	4.5	Clay, red; gravel hardpan (till?). Ledge 0 - 12	12	
Sand, medium, red to brown, to gravel; trace fine sand; trace silt; trace clay; trace cobble (till?) 9 - 17	8	Silt, red-brown; trace of varved clay 16.5 - 19.5	3	Clay, red; hardpan (till?) 12 - 16	10	
Rock, soft to medium, red 17 - 29	12	Silt, red-brown; little clay; trace of very fine sand 19.5 - 21.5	2	B 38 th. 413715N0724504.1. Town of Berlin. Altitude 55 ft. Drilled 1952. Depth to water 8 ft. Drilled by S. B. Church Co.		
B 13 th. 413848N0724618.1. Bureau of Highways, Dept. of Transportation. Altitude 56 ft. Drilled 1959. Depth to water 2 ft.		Silt, red-brown 21.5 - 29.5	8	Sand, red 0 - 8	8	
Sand; cinder; silt; gravel (till) 0 - 9	9	Sand, fine, medium, red-brown; trace of silt 29.5 - 33	3.5	Clay, red 8 - 62	54	
Silt, brown; trace clay 9 - 14	5	Sand, fine, to medium gravel, red-brown; trace of silt 33 - 43.3	10.3	Ledge at 62		
Silt, varved, red 14 - 30	16	Clay and silt, red-brown 43.3 - 55.7	12.4	B 39 th. 413715N0724502.1. Town of Berlin. Altitude 63 ft. Drilled 1952. Depth to water 10 ft. Drilled by S. B. Church Co.		
Silt and clay, brown; trace fine sand 30 - 36	6	Gravel and sand, red-brown; trace of silt; trace of clay; trace of small cobbles (glacial till) 55.7 - 68	12.3	Sand, red 0 - 5	5	
Sand, fine to coarse, brown; silt; trace clay 36 - 43	7	Rock, soft-medium, red 68 - 73	5	Clay, red 5 - 35	30	
Boulders, cobbles, brown and gray; gravel; fine to coarse sand; silt; trace clay (till) 43 - 53.3	10.3	B 20 th. 413735N0724527.1. Town of Berlin. Altitude 38 ft. Drilled 1952. Depth to water 1 ft. Drilled by S. B. Church Co.		Bottom of hole at 35		
Rock, brown 53.3 - 61.2	7.9	Clay, red 0 - 59	59	B 40 th. 413729N0724712.1. Town of Berlin. Altitude 125 ft. Drilled 1952. Drilled by S. B. Church Co.		
B 14 th. 413847N0724617.1. Bureau of Highways, Dept. of Transportation. Altitude 53 ft. Drilled 1959. Depth to water 0 ft.		Shale, broken 59 - 60	1	Hardpan, clayey; broken ledge (till?) 0 - 22	22	
Silt and sand 0 - 2	2	Shale and sandstone, red 60 - 65	5	Ledge at 22		
Sand, fine to coarse; some silt; little clay; trace of gravel 2 - 8	6	B 21 th. 413735N0724533.1. Town of Berlin. Altitude 40 ft. Drilled 1952. Depth to water 2 feet. Drilled by S. B. Church Co.		B 41 th. 413707N0724739.1. Town of Berlin. Altitude 190 ft. Drilled 1952. Depth to water 25 ft. Drilled by S. B. Church Co.		
Sand, brown; silt; trace fine gravel 8 - 13	5	Clay, red 0 - 51	51	Gravel, good 0 - 6	6	
Clay, varved, red 13 - 38	25	Clay, red; gravel hardpan 51 - 54	3	Gravel, hardpan 6 - 55	49	
Silt, brown; some clay 38 - 43	5	Ledge at 54		Sand and gravel, good 55 - 75	20	
Sand, fine to coarse, brown; silt; trace of clay 43 - 48	5	B 22 th. 413735N0724537.1. Town of Berlin. Altitude 40 ft. Drilled 1952. Depth to water 2 ft. Drilled by S. B. Church Co.		Sand, very fine 75 - 85	10	
Sand, fine to coarse, brown; fine gravel; silt; cobbles (till) 48 - 58.5	10.5	Clay, red; gravel hardpan 0 - 25	25	Sand, quick 85 - 95	10	
Rock, brown 58.5 - 63	4.5	Clay, red 25 - 35	10	Clay, red 95 - 100	5	
B 15 th. 413730N0724429.1. Bureau of Highways, Dept. of Transportation. Altitude 66 ft. Drilled 1954. Depth to water 2 ft.		Ledge at 35		Clay, red; hardpan (till). Ledge 100 - 103	3	
Sand, fine to coarse, brown to red; some silt; some fine to coarse gravel; slabs of brownstone, traprock, boulders, cobbles (till) 0 - 3	3	B 23 th. 413837N0724634.1. Town of Berlin. Altitude 65 ft. Drilled 1952. Depth to water 16 ft. Drilled by S. B. Church Co.		B 42 th. 413709N0724740.1. Town of Berlin. Altitude 165 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		
Gravel, brown to red, and coarse to fine sand; trace silt; trace clay (till) 3 - 4	1	Clay, red; hardpan 0 - 16	16	Clay, red; hardpan 0 - 30	30	
Silt, red to brown; some fine to coarse sand; little fine to coarse gravel; little clay 4 - 6.5	2.5	Ledge at 16		Clay, red; with sand 30 - 34	4	
Silt, brown, gray, and red; little fine to medium sand; trace gravel; trace roots 6.5 - 7	.5	B 24 th. 413732N0724455.1. Town of Berlin. Altitude 50 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		Clay, red; hardpan (till?) 34 - 61	27	
Silt, brown to red; little clay; little fine sand; trace fine gravel; trace medium sand 7 - 11	4	Clay, red 0 - 24	24	Bottom of hole at 61		
Silt, brown to red; some varved clay; trace fine sand; trace coarse sand 11 - 14.2	3.2	Sand, fine, clean 24 - 27	3	B 43 th. 413709N0724739.1. Town of Berlin. Altitude 165 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		
Silt, brown to red; some fine to coarse sand; little fine to coarse gravel; trace clay; trace cobble (till) 14.2 - 39	24.8	Sand, coarse 27 - 31	4	Gravel, good 0 - 8	8	
Rock, brown to red 39 - 46	7	Clay, red 31 - 53	22	Gravel, hardpan 8 - 55	47	
B 17 th. 413732N0724437.1. Bureau of Highways, Dept. of Transportation. Altitude 49 ft. Drilled 1959. Depth to water 1 ft.		Clay, red; hardpan (till?) 53 - 65	12	Sand and gravel, good 55 - 70	15	
Sand, fine to coarse, brown-black; some silt; trace of oily fine gravel; trace of organic materials; roots 0 - 3	3	Ledge at 65		Sand, dirty 70 - 75	5	
Silt, brown-red; little fine to coarse sand; trace of fine to medium gravel; trace of clay 3 - 4	1	B 26 th. 413733N0724443.1. Town of Berlin. Altitude 45 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		Sand, very fine, with clay 75 - 83	8	
Silt, brown-red; trace of fine 4 - 5.2	1.2	Sand and gravel, clean 0 - 24	24	Bottom of hole at 83		
Silt, brown-red; some fine to coarse sand; little fine to coarse gravel; trace clay; trace cobble (till) 4.2 - 39	24.8	Sand, coarse 24 - 31	7	B 50 th. 413804N0724440.1. Town of Berlin. Altitude 45 ft. Drilled 1957. Depth to water 9 ft. Drilled by D. L. Maher Co.		
Rock, brown to red 39 - 46	7	Clay, red 31 - 61	30	Sand, fine to coarse, and small to medium gravel; red clay and silt 0 - 37	17	
B 27 th. 413733N0724526.1. Town of Berlin. Altitude 26 ft. Drilled 1952. Depth to water 3 ft. Drilled by S. B. Church Co.		Clay, red 6 - 22	6	Sand, fine to very coarse, reddish to brown, and rare small gravel; red clay and silt 17 - 27	10	
Sand and gravel, clean 24 - 31	3	Hardpan, clayey, very hard (till) 22 - 32	10	Sand, fine to very coarse, reddish to brown; increase of small to medium gravel; possible coarse gravel near bottom 27 - 42	15	
Sand, coarse 27 - 31	4	Bottom of hole at 32		Sand, fine to very coarse, red, and small, green to red gravel; heavy traces of silt and clay 42 - 52	10	
Clay, red 31 - 53	22	B 28 th. 413741N0724258.1. Town of Berlin. Altitude 25 ft. Drilled 1952. Depth to water 0 ft. Drilled by S. B. Church Co.		Clay, brown; traces of sand and gravel 52 - 57	5	
Clay, red; hardpan (till?) 53 - 65	12	Sand, very fine, and brown clay; traces of silt 57 - 67	10	Sand, very fine to fine, dark brown, and rare, medium to coarse sand; trace of red silt and clay 67 - 75	8	
Ledge at 65		Bottom of hole at 60		Refusal at 75		
B 29 th. 413707N0724749.1. Town of Berlin. Altitude 175 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.						

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

	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)
Town of Berlin--Cont.							
B 51 th. 413758N0724558.1. Town of Berlin. Altitude 48 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.			B 61 th. 413628N0724800.1. Town of Berlin. Altitude 180 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.			B 75 th. 413513N0724623.1. John Lechowicz. Altitude 170 ft. Drilled 1972. Depth to water 9 ft. Drilled by U.S. Geol. Survey.	
Sand, fine to very coarse, reddish- brown to green, and medium to coarse gravel, with red clay and silt..... 0 - 19 19	Topsoil; fine to coarse, reddish- brown sand; silt and clay..... 0 - 11 11	Refusal..... at 11	Loam, sandy..... 0 - 3 3	Gravel, fine to coarse..... 3 - 11 8	Gravel, fine..... 11 - 30 19	Sand..... 30 - 36 6	Clay and gravel (boulder 36-37 ft)..... 36 - 39 3
Clay, reddish-brown; trace of sand and gravel..... 19 - 29 10	B 62 th. 413614N0725700.1. Town of Berlin. Altitude 120 ft. Drilled 1968. Depth to water 0 ft. Drilled by S. B. Church Co.	Gravel, fine; medium to fine sand; silt; clay; red-brown..... 0 - 10 10	Refusal..... at 42	B 76 th. 413516N0724632.1. John Lechowicz. Altitude 170 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.	Silt, very fine, red-brown sand..... 0 - 10 10	Sand, very fine, silty, red-brown..... 10 - 33 23	Clay, silty..... 33 - 35 2
Sand, very fine to very coarse, reddish-brown to green; fine to very coarse gravel with red clay and silt..... 29 - 46 17	Sand, medium to very coarse, and well sorted, red-brown gravel..... 10 - 16 6	Sand, very fine to medium, and fine to medium gravel..... 16 - 24 8	Sand, very fine to fine, red-brown..... 24 - 37 13	Sand, very fine, silty, fine, uniform..... 35 - 47 12	Silt, firm, uniform, red-brown, with some very fine sand..... 47 - 60 13	Sand, very fine, with varved silt and clay..... 60 - 80 20	Silt, clayey, firm, uniform, varved with fine sand varves... 80 - 102 22
Refusal..... at 46	Refusal..... at 42	Sand, very fine to fine, red-brown..... 37 - 42 5	Bottom of hole..... at 102	Refusal..... at 64			
B 52 th. 413722N0724609.1. Town of Berlin. Altitude 54 ft. Drilled 1967. Drilled by D. L. Maher Co.	B 63 th. 413612N0724702.1. Town of Berlin. Altitude 120 ft. Drilled 1968. Depth to water 0 ft. Drilled by S. B. Church Co.	Gravel, fine; fine to medium sand; silt and clay; red-brown..... 0 - 10 10	B 78 th. 413858N0724508.1. New England Metallurgical Co. Altitude 58 ft. Drilled 1966. Depth to water 12 ft. Drilled by R. E. Chapman Co.	Gravel, fine, coarse to very coarse sand, silt, and clay..... 0 - 15 5	Sandy, gravel, and clay..... 0 - 18 18	Clay, sandy..... 18 - 31 13	Clay, firm..... 31 - 45 14
Sand, very fine to very coarse, reddish-brown to green; fine to very coarse gravel with red clay and silt and clay (till)..... 27 - 37.5 10.5	Sand, fine to medium, with some coarse; poorly sorted..... 15 - 23 8	Sand, fine to very fine, poorly sorted; some red-brown silt and clay..... 23 - 30 7	Sand, fine, clay, and sharp gravel (till)..... 45 - 50 5	Sand, fine to very fine; silt and clay..... 30 - 37 7	Clay and sharp gravel (till)..... 50 - 64 14	Refusal..... at 64	
Refusal..... at 37.5	Refusal..... at 42	Bedrock, tightly weathered, red- brown..... 37 - 40 3	Refusal..... at 64				
B 53 th. 413723N0724603.1. Town of Berlin. Altitude 50 ft. Drilled 1967. Depth to water 0 ft. Drilled by D. L. Maher Co.	B 64 th. 413730N0724600.1. Town of Berlin. Altitude 50 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.	Clay, red..... 0 - 11 11	B 79 th. 413559N0724610.1. Town of Berlin. Altitude 108 ft. Drilled 1973. Depth to water 2 ft. Drilled by S. B. Church Co.	Clay, red, interlayered with thin beds of sand and gravel..... 11 - 21 10	Gravel..... 0 - 12 12	Clay and silt..... 12 - 20 8	
Sand, very fine, reddish-brown to brown; small to medium gravel; reddish-brown clay; silt..... 32 - 49.5 17.5	Sand, fine to very coarse; some gravel..... 21 - 32.5 11.5	Refusal..... at 32.5	Sand, fine, and clay..... 53 - 63 10	Sand, coarse, and clay..... 63 - 68 5	Clay..... 20 - 35 15	Clay, sandy..... 35 - 53 18	
Refusal..... at 49.5	Refusal..... at 26.5	Refusal..... at 26.5	Sand, coarse..... 68 - 73 5	Sand, fine, and clay..... 68 - 73 5	Gravel (takes water)..... 73 - 79 6	Sand, coarse..... 79 - 88 9	
B 54 th. 413513N0724601.1. Town of Berlin. Altitude 180 ft. Drilled 1967. Depth to water 9 ft. Drilled by D. L. Maher Co.	B 65 th. 413732N0724600.1. Town of Berlin. Altitude 50 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.	Clay, red..... 0 - 6 6	B 80 th. 413559N0724610.1. Town of Berlin. Altitude 108 ft. Drilled 1973. Depth to water 1 ft. Drilled by S. B. Church Co.	Clay, red, interlayered with sand and gravel..... 6 - 12 6	Gravel..... 0 - 10 10	Clay and silt..... 10 - 25 15	
Sand, very fine, reddish-brown to brown; small to medium gravel; reddish-brown clay; silt..... 32 - 49.5 17.5	Sand, fine to very coarse; fine to medium gravel; silt and clay; red gravel..... 12 - 26.5 14.5	Refusal..... at 26.5	Sand..... 25 - 37 12	Gravel..... 37 - 50 13	Sand..... 50 - 70 20	Sand, coarse..... 75 - 80 5	
Refusal..... at 25	Refusal..... at 34.5		Sand, fine..... 70 - 75 5	Sand, coarse..... 80 - 90 10	Sand, coarse..... 90 - 102 12	Sand, fine..... 93 - 98 5	
B 55 th. 413505N0724556.1. Town of Berlin. Altitude 160 ft. Drilled 1967. Depth to water 4 ft. Drilled by D. L. Maher Co.	B 66 th. 413730N0724558.1. Town of Berlin. Altitude 49 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.	Clay, red; some medium sand and gravel..... 0 - 6 6	B 81 th. 413607N0724701. Town of Berlin. Altitude 130 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.	Sand, fine to very coarse; well- rounded fine to medium gravel, silt, and clay..... 0 - 38 38	Gravel..... 50 - 70 20	Clay and silt..... 70 - 75 5	
Sand, very fine, reddish-brown to brown; small to medium gravel; clay and silt..... 0 - 25 25	Sand, very fine to very coarse, and fine to coarse gravel..... 26 - 31 5	Refusal..... at 34.5	Sand, fine..... 75 - 80 5	Sand, coarse..... 80 - 90 10	Sand, coarse..... 90 - 102 12	Sand, fine..... 93 - 98 5	
Refusal..... at 25	Clay, red..... 31 - 34.5 3.53		Sand, coarse..... 90 - 102 12	Refusal..... at 102			
B 56 th. 413505N0724606.1. Town of Berlin. Altitude 158 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.	B 67 th. 413732N0724617.1. Town of Berlin. Altitude 63 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.	Sand, fine..... 0 - 3 3	B 82 th. 413548N0724719.1. Town of Berlin. Altitude 175 ft. Drilled 1967. Depth to water 5 ft. Drilled by D. L. Maher Co.	Sand, coarse; some gravel..... 3 - 10 7	Gravel..... 37 - 50 13	Sand, very fine to very coarse; well- rounded fine to medium gravel, silt, and clay..... 0 - 38 38	
Sand, very fine, reddish-brown to brown; small to medium gravel; reddish-brown to green clay; silt..... 0 - 39 39	Sand, medium..... 10 - 21 11	Refusal..... at 32	Sand, medium, well sorted..... 21 - 28 7	Gravel..... 50 - 70 20	Sand, coarse..... 75 - 80 5	Sand, very fine to very coarse; dark brown; rare fine gravel, silt, and clay..... 22.5 - 32.5 10	
Refusal..... at 39	Sand, medium, well sorted..... 21 - 28 7		Sand, medium..... 28 - 30 2	Gravel and clay..... 70 - 75 5	Sand, fine..... 80 - 90 10	Sand, very fine, light brown; trace of fine gravel, silt, and clay... 32.5 - 42.5 10	
B 57 th. 413626N0724636.1. Town of Berlin. Altitude 175 ft. Drilled 1967. Drilled by D. L. Maher Co.	B 68 th. 413732N0724617.1. Town of Berlin. Altitude 62 ft. Drilled 1967. Depth to water 1 ft. Drilled by S. B. Church Co.	Sand, medium..... 30 - 32 2	Sand, fine..... 93 - 98 5	Refusal..... at 48	Sand, coarse..... 90 - 102 12	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Sand, reddish-brown, clay, and silt 0 - 20.5 20.5	Sand, medium..... 30 - 32 2	Refusal..... at 32	Sand, coarse..... 90 - 102 12			Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Refusal..... at 20.5	Refusal..... at 34.5		Sand, fine..... 93 - 98 5			Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
B 58 th. 413642N0724646.1. Town of Berlin. Altitude 65 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.	B 69 th. 413732N0724617.1. Town of Berlin. Altitude 63 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.	Sand, fine..... 0 - 3 3	B 83 th. 413543N0724719.1. Town of Berlin. Altitude 158 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.	Sand, coarse; some gravel..... 3 - 10 7	Gravel..... 37 - 50 13	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Sand, very fine to very coarse, reddish-brown to brown to white, and very small gravel; trace of silt and clay..... 0 - 27 27	Sand, medium..... 10 - 21 11	Refusal..... at 38	Sand, coarse; some gravel..... 3 - 10 7	Gravel..... 50 - 70 20	Sand, coarse..... 75 - 80 5	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Sand, very fine to coarse, reddish- brown to green, and some small gravel; trace of silt..... 27 - 43.5 16.5	Sand, medium, well sorted..... 21 - 28 7		Sand, medium..... 28 - 30 2	Gravel and clay..... 70 - 75 5	Sand, fine..... 80 - 90 10	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Refusal..... at 43.5	Sand, medium, well sorted..... 21 - 28 7		Sand, fine..... 30 - 32 2	Refusal..... at 48	Sand, coarse..... 90 - 102 12	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
B 59 th. 413625N0724654.1. Town of Berlin. Altitude 108 ft. Drilled 1967. Depth to water +2 ft. Drilled by D. L. Maher Co.	B 70 th. 413741N0724617.1. Town of Berlin. Altitude 62 ft. Drilled 1967. Depth to water 1 ft. Drilled by S. B. Church Co.	Sand, medium..... 0 - 15 15	B 84 th. 413543N0724719.1. Town of Berlin. Altitude 158 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.	Sand, medium..... 15 - 27 12	Gravel..... 37 - 50 13	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Sand, very fine to very coarse, reddish- brown to clear, and very small to coarse gravel; trace of silt and clay..... 0 - 22 22	Sand, medium..... 27 - 30 3	Refusal..... at 30	Sand, medium..... 27 - 30 3	Gravel..... 50 - 70 20	Sand, coarse..... 75 - 80 5	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Sand, very fine to fine, rare coarse to very coarse, reddish-brown to tan; trace of silt..... 22 - 27 5	Sand, medium..... 30 - 40 14		Sand, medium..... 30 - 40 14	Gravel and clay..... 70 - 75 5	Sand, fine..... 80 - 90 10	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Sand, fine to very coarse, reddish- brown to brown, and small to medium gravel; trace of silt..... 27 - 38 11	Gravel, cobbly, brown, with some silt..... 3 - 6 3		Sand, fine..... 30 - 40 14	Refusal..... at 48	Sand, coarse..... 90 - 102 12	Sand, very fine to very coarse, dark brown to red, silt, and clay..... 0 - 22.5 22.5	
Bottom of hole..... at 38	Gravel, fine, sand, and silt..... 6 - 26 20		Refusal..... at 48				
B 60 th. 413536N0724652.1. Town of Berlin. Altitude 158 ft. Drilled 1967. Depth to water 0 ft. Drilled by D. L. Maher Co.	Sand, fine to coarse, brown, with layers of fine to coarse dirty sand..... 26 - 40 14						
Sand, very fine to very coarse, reddish-brown to brown; silt; clay..... 0 - 26 26	Gravel, cobbles..... 40 - 42 2	Refusal..... at 42					
Refusal..... at 26							

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

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
Town of Chester			CH 3 th. 412530N0723010.1. Bureau of Highways, Dept. of Transportation. Altitude 292 ft. Drilled 1963. Depth to water 2 ft.	CH 17 th. 412438N0722803.1. Connecticut Water Co. Altitude 115 ft. Drilled 1960. Depth to water 4 ft. Drilled by R. E. Chapman Co.	CL 17 th. 411823N0723458.1. Connecticut Water Co. Altitude 10 ft. Drilled 1965. Depth to water 0 ft. Drilled by Layne-New England.			
			Loam 0 - 1 1	Clay and loam 0 - 3 3	Sands, very fine to medium, and yellowish-brown fine gravel ... 0 - 20 20			
			Sand and fine to coarse gravel; trace silt, cobbles, and boulders (t117) 1 - 6.5 5.5	Gravel, coarse, and boulders; hardpan 3 - 23 20	Sand, fine to medium, and greenish-gray fine gravel 20 - 57 37			
			Gneiss, medium to coarse grained, gray 6.5 - 16.5 10	Gravel; medium to coarse 23 - 30 7	Sand, medium to coarse; little gravel 57 - 68 11			
				Refusal at 30	Sand (grain size increasing with depth) 68 - 84 16			
			CH 5 th. 412357N0722816.1. Bureau of Highways, Dept. of Transportation. Altitude 130 ft. Drilled 1965. Depth to water 0 ft.	Town of Clinton	Sand with layers of fine and coarse gravel! 84 - 106 22			
			Water 0 - 5 5	Topsoil 0 - 3 3	Sand, fine to medium; some silt, 106 - 113 7			
			Silt, organic, dark brown 5 - 7 2	Sand, medium to coarse, brown to gray; little fine gravel (wolst) 3 - 7.1 4.1	Refusal at 113			
			Sand, fine to coarse, gray to brown; some silt and wood chips 7 - 8.5 1.5	Gravel, fine to medium, gray; coarse to medium sand (wolst) 7.1 - 13.1 6	CL 18 th. 411823N0723501.1. Connecticut Water Co. Altitude 14 ft. Drilled 1965. Depth to water 3 ft. Drilled by Layne-New England.			
			Sand, fine to coarse, gray to brown; little medium to fine gravel; 8.5 - 11 2.5	Sand, medium to coarse, brown to gray; trace fine to medium gravel (wet) 13.1 - 18.1 5	Topsoil 0 - 3 3			
			Gneiss, sandy, gray 11 - 13.5 2.5	Sand, medium to coarse; little fine, gray gravel (wet) 18.1 - 23.1 5	Sand, very fine to medium, grayish-brown; trace of silt and clay 3 - 47 44			
				Sand, medium to coarse, brown; little fine gravel (wet) 23.1 - 29.1 6	Sand, very fine to medium; increase in silt and clay; trace of gravel (sand size decreases with depth) 47 - 92 45			
			CH 8 th. 412358N0722822.1. Bureau of Highways, Dept. of Transportation. Altitude 132 ft. Drilled 1963. Depth to water 0 ft.	Sand, fine to medium 29.1 - 34.1 5	Sandy, coarse, and fine gravel 92 - 105 13			
			Topsoil, black 0 - 1 1	Sand, medium to coarse; some decomposed rock 34.1 - 38.1 4	Sand, very fine to medium 105 - 110 5			
			Silt, brown, and fine sand; trace gravel and organic material 1 - 3.5 2.5	Boulders and sand 38.1 - 43.1 5	Sand, coarse, and medium gravel 110 - 116 6			
			Sand, fine to coarse, gray-brown; little medium to fine gravel; 2.5 - 11.5 5.5	Rock, gneiss 43.1 - 48.1 5	Sand, fine to medium 116 - 124 8			
			Gneiss, sandy, gray and white 9 - 14 5		Sand, very coarse, to very coarse gravel 124 - 134 10			
					Refusal at 134			
			CH 9 th. 412354N0722824.1. Bureau of Highways, Dept. of Transportation. Altitude 133 ft. Drilled 1963. Depth to water 0 ft.	CL 4 th. 411721N0723112.1. Bureau of Highways, Dept. of Transportation. Altitude 32 ft. Drilled 1955. Depth to water 20 ft.				
			Water 0 - 2 2	Topsoil, brown 0 - 1 1	CL 20 th. 411745N0723412.1. Connecticut Water Co. Altitude 10 ft. Drilled 1965. Depth to water 4 ft. Drilled by Layne-New England.			
			Silt, organic, black 2 - 4.5 2.5	Sand, fine to medium, brown; fine to coarse gravel and trace of coarse sand 1 - 7 6	Sand, fine to coarse, and fine to coarse gravel; some clay and silt 0 - 15 15			
			Sand, fine to coarse, gray-brown; some silt; trace of gravel 4.5 - 10 5.5	Sand, fine to medium, brown; trace of coarse sand; fine to coarse gravel 7 - 17.2 10.2	Sand, fine, clay, and silt 15 - 31 16			
			Silt, gray-brown; little fine sand, 10 - 27 17	Sand, fine to medium, brown; trace of fine to medium gravel (wet) 17.2 - 30 12.8	Sand, medium to coarse, gravel, clay, and silt 31 - 42 11			
			Sand, fine, gray; silt; trace of fine gravel (t117) 27 - 34 7	Sand, fine to coarse, brown; little fine gravel (wet) 30 - 35 5	Sand, fine to coarse, and silt 42 - 70 28			
			Refusal at 34	Rock, decomposed 35 - 42 7	Bottom of hole at 70			
			CH 10 th. 412353N0722826.1. Bureau of Highways, Dept. of Transportation. Altitude 131 ft. Drilled 1963. Depth to water 0 ft.	CL 6 th. 411719N0723131.1. Bureau of Highways, Dept. of Transportation. Altitude 10 ft. Drilled 1955. Depth to water 0 ft.	CL 21 th. 411742N0723409.1. Connecticut Water Co. Altitude 10 ft. Drilled 1965. Depth to water 2 ft. Drilled by Layne-New England.			
			Huck, dark brown; decomposed roots; organic material 0 - 4 4	Water 0 - 3.9 3.9	Topsoil 0 - 2 2			
			Sand and fine to coarse gravel; yellow to brown; trace silt 4 - 9 5	Silt and organic black mud 3.9 - 8 4.1	Clay and silt 2 - 6 4			
			Sand, fine to coarse, light brown; trace to little silt; trace fine gravel (stratified) 9 - 18 9	Sand, fine, brown; some organic silt 8 - 9 1	Clay and brownish-gray, fine to coarse, angular to sub-angular sand 6 - 21 15			
			Sand, fine, gray to brown; little to some silt; grading to fine to coarse; gray and yellow to brown sand; trace silt 18 - 31.8 13.8	Sand, medium to coarse, brown; trace gravel (wolst) 9 - 33 24	Sand, fine to very coarse, and fine gravel 21 - 31 10			
				Rock, decayed 33 - 34 1	Clay and brown to gray; fine to medium sand 31 - 64 33			
				Refusal at 34	Sand, medium to coarse 64 - 74 10			
					Sand, fine to medium 74 - 79 5			
					Sand, very fine 79 - 81 2			
					Refusal at 81			
			CH 13 th. 412358N0722822.1. Bureau of Highways, Dept. of Transportation. Altitude 130 ft. Drilled 1965. Depth to water 0 ft.	CL 7 th. 411717N0723146.1. Bureau of Highways, Dept. of Transportation. Altitude 42 ft. Drilled 1955. Depth to water 2 ft.	CL 30 th. 411758N0723427.1. Connecticut Water Co. Altitude 10 ft. Drilled 1965. Depth to water 3 ft. Drilled by Layne-New England.			
			Water 0 - 3 3	Sand, fine to medium; little gravel 0 - 4 4	Sand, fine to very coarse, light to medium gray; some fine gravel; trace of clay and silt 0 - 13 13			
			Silt, organic, dark brown to gray; trace peaty wood chips and fine sand 3 - 6 3	Rock 4 - 9 5	Sand, fine to coarse, yellowish-brown; trace clay, silt, and gravel 13 - 31 18			
			Sand, coarse, gray, to fine gravel; some medium gravel 6 - 8.9 2.9		Sand, fine to coarse, yellowish-brown; some gravel decreasing with depth 31 - 67 36			
			Sand, fine, layered, gray and brown; little silt; trace medium gravel and clay 8.9 - 16 7.1		Refusal at 67			
			Silt and fine sand, grayish-brown; trace clay 16 - 19 3	Topsoil 0 - 1.5 1.5	CL 31 th. 411757N0723426.1. Connecticut Water Co. Altitude 10 ft. Drilled 1965. Depth to water 3 ft. Drilled by Layne-New England.			
			Sand, fine, layered, gray and brown; little coarse sand and silt; trace clay 19 - 23.5 4.5	Sand, fine to medium, brown; trace fine gravel (wolst) 1.5 - 6 4.5	Sand, fine to medium; trace of silt and brown clay 0 - 30 30			
			Sand, fine, brown; some coarse sand; little fine to medium gravel; trace silt 23.5 - 30 6.5	Sand, fine, gray; organic silt 4.2 - 7 2.8	Sand, fine to medium, and silt; trace of fine to medium gravel 30 - 40 10			
				Sand, fine to coarse, brown; some fine to coarse gravel; little medium gravel; little silt (t117) 30 - 37.6 7.6	Sand, fine to coarse, gravel, and silt (t117) 40 - 53 13			
			Gneiss, gray 37.6 - 42.6 5	Rock, gneiss 30 - 35 5	Refusal at 53			
			CH 14 th. 412432N0722800.1. Connecticut Water Co. Altitude 105 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.	CL 12 th. 411724N0723353.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1955. Depth to water +2 ft.				
			Gravel and boulders 0 - 9 9	Cobbles; gravel 0 - 3.1 3.1				
			Refusal at 9	Sand, medium to coarse, light brown; little gravel 3.1 - 20.2 17.1				
				Rock, gneiss 20.2 - 27.8 7.6				
			CH 15 th. 412357N0722802.1. Connecticut Water Co. Altitude 110 ft. Drilled 1960. Depth to water 4 ft. Drilled by R. E. Chapman Co.	CL 16 th. 411633N0723246.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1959. Depth to water 0 ft.				
			Gravel and boulders 0 - 9 9	Water 0 - 4.2 4.2				
			Refusal at 9	Sand, fine, gray, and organic silt 4.2 - 7 2.8				
				Sand, fine to coarse, brown; some fine to coarse gravel 7 - 30 23				
				Rock, gneiss 30 - 35 5				
			CH 16 th. 412432N0722803.1. Connecticut Water Co. Altitude 115 ft. Drilled 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.	CL 16 th. 411633N0723246.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1959. Depth to water 0 ft.				
			Gravel, coarse, and boulders 0 - 14 14	Water 0 - 9.5 9.5				
			Refusal at 14	Huck, gray; sand and gravel 9.5 - 11.5 2				
				Huck, gray 11.5 - 14 2.5				
				Sand, fine to medium, gray; gray huck mixture 14 - 19.4 5.4				
				Sand, fine to medium, tan; trace silt and coarse sand 19.4 - 28.5 9.1				
				Rock, hard granite 28.5 - 35.5 7				

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

Town of Clinton--Cont.	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)
CL 38 th, 411740N0723147.1, Connecticut Water Co., Altitude 11 ft., Depth to water 4 ft. Driller unknown.			CL 51 th, 411742N0723147.1, Connecticut Water Co., Altitude 30 ft., Drilled 1964, Depth to water 1 ft. Drilled by R. E. Chapman Co.		CL 61 th, 411716N0723256.1, Bureau of Highways, Dept. of Transportation, Altitude 31 ft., Drilled 1955, Depth to water 3 ft. Drilled by Warren George Drilling Co.	
Clay, gray to orange-yellow, and fine to coarse yellow sand 0 - 15 15	Huck, black 0 - 3 3	Topsoil 0 - 3 3		Sand, fine to medium; little clay; trace of silt and mica 3 - 10 7		
Sand, fine to coarse, yellow; trace of silt 15 - 21 6	Sand, medium to coarse, and fine gravel 3 - 41 38	Sand and clay 10 - 14 4		Sand, fine to medium; little silt; trace of mica 14 - 17 3		
Sand, fine to coarse, yellow; trace of fine to medium gravel and silt 21 - 31 10	Refusal at 41	(T1117) 17 - 21 4		(T1117) 17 - 21 4		
Sand, very fine to coarse, yellow, and traces of fine gravel and silt 31 - 37 6	Sand, medium to coarse 0 - 5 5	Rock, decayed (bedrock?) 21 - 22 1		Rock, decayed (bedrock?) 21 - 22 1		
Sand, very fine to coarse, yellow, and fine to medium gravel; trace of silt 37 - 47 10	Sand, medium to coarse, and gravel 5 - 30 25	Refusal at 22		Refusal at 22		
Sand, very fine to fine, tan to light gray; trace of gray silt and clay 47 - 58 11	Sand, fine to medium, and some clay 30 - 34 4					
Sand, very fine to coarse, light gray; trace of silt 58 - 68 10	CL 53 th, 411748N0723150.1, Connecticut Water Co., Altitude 35 ft., Drilled 1973, Depth to water 7 ft. Drilled by R. E. Chapman Co.	CL 62 th, 411720N0723342.1, Bureau of Highways, Dept. of Transportation, Altitude 31 ft., Drilled 1955, Depth to water 3 ft. Drilled by Warren George Drilling Co.				
Sand, very fine to coarse, tan to light gray; trace of fine to medium gravel and silt 68 - 74 6	Sand, medium to coarse 0 - 10 10	Fill, meadow mat, and peat 0 - 4 4		Sand, fine to coarse, loose 4 - 15.5 11.5		
Refusal at 74	Sand, very fine, silty 10 - 27 17	Sand, fine to medium 15.5 - 25.5 10		Sand, fine to coarse; some gravel 25.5 - 31 55		
CL 39 th, 411800N0723429.1, Connecticut Water Co., Altitude 8 ft., Drilled 1967, Depth to water 1 ft. Drilled by Layne-New England.	Refusal at 47	Refusal at 27		Sand, fine 31 - 35 4		
Soil and humus 0 - 4 4	Sand, fine to coarse, and gravel 42 - 47 5	Sand, fine to coarse; some gravel 35 - 40 5		Sand, fine 40 - 44 4		
Sand, fine to coarse, with pebbles and yellow to medium gray clay .. 4 - 15 11	CL 55 th, 411723N0723011.1, Bureau of Highways, Dept. of Transportation, Altitude 25 ft., Drilled 1955, Depth to water 0 ft. Drilled by Warren George Drilling Co.	CL 63 th, 411602N0723039.1, Bureau of Highways, Dept. of Transportation, Altitude 6 ft., Drilled 1945.		Refusal at 44		
Sand, fine to medium, trace of silt 15 - 20 5	Ice 0 - 1 1	Fill, new and old 0 - 4 4				
Sand, medium to coarse 20 - 26 6	Peat and inorganic silt 1 - 5.5 4.5	Fill (gravel and large boulders) 4 - 9 5				
Sand, coarse, with trace of silt .. 26 - 36 10	Silt, inorganic; contains seams of fine sand 5.5 - 12 6.5	Clay, firm, and grass roots 9 - 12 3				
Sand, fine to coarse, with trace of gravel 36 - 50 14	Sand, fine; trace of silt; contains thin sheets of red clay 12 - 19 7	Clay, gray, slightly firm, organic, with H ₂ S odor (bottom of boring) 12 - 27 15				
Sand, fine to very coarse 50 - 59 9	Sand, fine to medium; trace of fine gravel 19 - 23 4	Sand 27 - 43 16				
Sand, fine, with trace of silt and clay 59 - 60 1	Sand, fine to medium, and medium gravel 23 - 33 10	Bottom of piling at 43				
Refusal at 60	CL 56 th, 411723N0723048.1, Bureau of Highways, Dept. of Transportation, Altitude 128 ft., Drilled 1955, Depth to water 10 ft. Drilled by Warren George Drilling Co.					
Soil and humus 0 - 4 4	Topsoil 0 - 1.5 1.5	CL 64 th, 411622N0722046.1, Bureau of Highways, Dept. of Transportation, Altitude 35 ft., Drilled 1952, Depth to water 17 ft.				
Sand, very fine to coarse, compact, with gravel and boulders (T1117) 4 - 24 20	Sand, fine to medium; trace of silt; little medium gravel 1.5 - 12 10.5	Sand, fine to coarse, brown; trace fine gravel and silt 0 - 5 5				
Refusal at 24	Sand, fine; some medium sand to coarse sand; trace of fine gravel and trace of clay (T1112) 12 - 30 18	Sand, fine to coarse, gray; occasional brown layers; trace fine gravel and silt 5 - 10.1 5.1				
CL 44 th, 411801N0723430.1, Connecticut Water Co., Altitude 8 ft., Drilled 1967, Depth to water 2 ft. Drilled by Layne-New England.	CL 58 th, 411716N0723243.1, Bureau of Highways, Dept. of Transportation, Altitude 4 ft., Drilled 1955, Depth to water 0 ft. Drilled by Warren George Drilling Co.	Sand, fine to coarse; gray; occasional brown layers; trace fine gravel and silt 5 - 10.1 5.1				
Soil, swamp 0 - 4 4	Topsoil 0 - 1.5 1.5	Sand, fine to coarse, gray; occasional brown layers; trace fine gravel and silt 10.1 - 15.1 5				
Sand, fine to medium; trace of very fine sand and gravel 4 - 34 30	Silt, inorganic; contains seams of fine sand 1.5 - 12 10.5	Sand, fine to coarse, gray; decomposed 15.1 - 17.2 2.1				
Sand, medium to very coarse, with trace of gravel, and a large number of boulders 34 - 63 29	Sand, fine; some medium sand to coarse sand; trace of clay (T1112) 12 - 30 18	Schist, nice, blue to gray; decomposed, soft 17.2 - 22.2 5				
Refusal at 63	CL 59 th, 411716N0723241.1, Bureau of Highways, Dept. of Transportation, Altitude 7 ft., Drilled 1955, Depth to water 2 ft. Drilled by Warren George Drilling Co.	Schist, nice, blue to gray; some soft quartz 22.2 - 27.2 5				
CL 46 th, 411743N0723146.1, Connecticut Water Co., Altitude 30 ft., Drilled 1964, Depth to water 3 ft. Drilled by R. E. Chapman Co.	Topsoil 0 - 4 4	CL 15 th, 413424N0722045.1, Bureau of Highways, Dept. of Transportation, Altitude 330 ft., Drilled 1962.				
Sand, coarse, and gravel 0 - 30 30	Silt, medium; some inorganic silt; trace of fine gravel 4 - 6.5 2.5	Sand, fine to coarse, brown; some silt; little fine gravel 0 - 2.5 2.5				
Sand, coarse, and fine gravel 30 - 50 20	Sand, fine; inorganic matter 4 - 6.5 2.5	Sand, fine to coarse, brown; some silt; trace of decomposed rock; trace of fine gravel 2.5 - 8 5.5				
Sand, medium to coarse, and fine gravel 50 - 70 20	Sand, medium; some inorganic silt; trace of fine gravel 6.5 - 9 2.5	Bedrock, gray nice schist, and quartz 8 - 13.1 5.1				
Refusal at 70	Sand, fine; inorganic silt 9 - 19 10					
CL 47 th, 411748N0723148.1, Connecticut Water Co., Altitude 40 ft., Drilled 1964, Depth to water 12 ft. Drilled by R. E. Chapman Co.	Sand, fine, little silt; trace of fine gravel 19 - 43 24					
Sand, medium to coarse, and fine gravel 0 - 14 14	Sand, fine; little silt; trace of fine gravel 43 - 49.5 6.5	CL 19 th, 413454N0722134.1, Bureau of Highways, Dept. of Transportation, Altitude 387 ft., Drilled 1952.				
Refusal at 14	Refusal at 49.5	Topsoil 0 - 1 1				
CL 48 th, 411743N0723147.1, Connecticut Water Co., Altitude 32 ft., Drilled 1964, Depth to water 3 ft. Drilled by R. E. Chapman Co.	CL 59 th, 411716N0723312.1, Bureau of Highways, Dept. of Transportation, Altitude 7 ft., Drilled 1955, Depth to water 2 ft. Drilled by Warren George Drilling Co.	Sand, fine to coarse, brown; trace fine gravel 1 - 5.5 4.5				
Sand, coarse, and gravel 0 - 5 5	Topsoil 0 - 4 4	Sand, fine to medium; gray; little silt; trace coarse sand 5.5 - 15 9.5				
Sand, medium to coarse 5 - 10 5	Sand, fine; little silt; trace of fine gravel 4 - 7 3	Sand, fine to coarse, gray; trace medium to fine gravel and silt 15 - 16.5 1.5				
Sand, fine to medium 10 - 15 5	Sand, fine to medium; little silt; trace of mica 7 - 12 5	Gravel, brown, and coarse to fine sand; trace fine gravel and silt 16.5 - 28.3 11.8				
Sand, medium to coarse 15 - 30 15	Sand, fine; little silt; trace of weathered rock (bedrock?) 20 - 35 15	Sand, fine to coarse, gray; trace silt; trace mica and decomposed rock (T1117) 28.3 - 34.6 6.3				
Sand, medium to coarse; some gravel 30 - 37 7	Sand, fine; little silt; trace of mica and crushed rock (bedrock?) 35 - 43 8	Schist, nice, gray, soft 34.6 - 40 5.4				
Refusal at 37	Refusal at 47	CL 20 th, 413455N0722133.1, Bureau of Highways, Dept. of Transportation, Altitude 290 ft., Drilled 1962, Depth to water 8 ft.				
CL 49 th, 411743N0723143.1, Connecticut Water Co., Altitude 30 ft., Drilled 1964, Depth to water 3 ft. Drilled by R. E. Chapman Co.	CL 60 th, 411715N0723211.1, Bureau of Highways, Dept. of Transportation, Altitude 10 ft., Drilled 1955, Depth to water 1 ft. Drilled by Warren George Drilling Co.	Topsoil; silty, brown sand 0 - 1 1				
Sand, coarse, and gravel 0 - 25 25	Topsoil 0 - 3 3	Sand, fine to coarse, gray; trace of silt and fine gravel 1 - 5.3 4.3				
Sand, coarse, and fine gravel 25 - 50 25	Sand, fine to medium; little silt 3 - 5 2	Sand, fine to coarse, yellow; trace of silt 5.3 - 10 4.7				
Gravel, medium to coarse 50 - 60 10	Sand, fine to medium; little silt; trace of mica 5 - 12 7	Sand, fine to coarse, gray; trace of silt 10 - 16 6				
Sand, coarse, and gravel 60 - 63 3	Sand, fine to medium; trace of silt, mica and crushed rock 12 - 17 5	Sand, fine to coarse, brown to gray, and cemented fine gravel 16 - 20.8 4.8				
Refusal at 63	(Bedrock?) 17 - 20 3	Unknown 20.8 - 21.5 .7				
CL 50 th, 411740N0723144.1, Connecticut Water Co., Altitude 28 ft., Drilled 1964, Depth to water 3 ft. Drilled by R. E. Chapman Co.						
Gravel, medium to coarse 0 - 5 5						
Sand, medium to coarse, and gravel 5 - 65 60						
Sand, medium to coarse 65 - 67 2						
Refusal at 67						

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of Colchester--Cont.					
CO 22 th. 413228N0721848.1, Bureau of Highways, Dept. of Transportation, Altitude 558 ft. Drilled 1968. Depth to water 3 ft.		CO 50 th. 413400N0721953.1, Bureau of Highways, Dept. of Transportation, Altitude 362 ft. Drilled 1962. Depth to water 3 ft.		CO 66 th. 413528N0722341.1, Bureau of Highways, Dept. of Transportation, Altitude 265 ft. Drilled 1956. Depth to water 3 ft.	
Silt, dark brown; little sand; trace of fine gravel 0 - 3 3	Sand, fine to coarse, brown; little silt; trace of fine gravel 0 - 2 2	Loam 0 - 1 1			
Sand and gravel, light brown, micaceous 3 - 8 5	Peat; black [roots and decayed material] 2 - 5 3	Loam and sand 1 - 2 1			
Schist 8 - 18.2 10.2	Sand, fine to coarse, brown; some silt; trace of clay and gravel 5 - 8.5 3.5	Sand, fine to medium; compact; some gravel; little silt (till) 2 - 6 4			
Pegmatite 18.2 - 22.2 4	Sand, fine, brown, and silt; trace of medium to coarse sand; trace of clay 8.5 - 13 4.5	Sand, fine to medium, gravel, and cobbles (till) 6 - 13 7			
Schist 22.2 - 24.7 2.5	Rock, decomposed, gray; little fine to coarse gravel and sand 13 - 16 4.5	Rock, granite gneiss 13 - 21 8			
Pegmatite 24.7 - 28.0 3.3	CO 52 th. 413401N0721951.1, Bureau of Highways, Dept. of Transportation, Altitude 363 ft. Drilled 1962.	CO 75 th. 413428N0721947.1, Town of Colchester Water Dept. Altitude 420 ft. Drilled 1967. Depth to water 5 ft. Drilled by Layne-New York.			
CO 25 th. 413218N0721847.1, Bureau of Highways, Dept. of Transportation, Altitude 556 ft. Drilled 1973. Depth to water 2 ft.	Silt and clay, dark brown, organic 0 - 2.8 2.8	Sand, fine, and silt; some clay 0 - 48 43			
Silt, silty, yellow-brown; trace of gravel 2.8 - 9.5 6.7	Sand, fine to medium; some coarse sand 48 - 64 16				
Schist 9.5 - 24.5 5	Sand, fine, and silt; some medium sand 64 - 69 5				
Schist; some pegmatite 24.5 - 29.5 5	Sand, fine to coarse, and silt 69 - 75 6				
CO 26 th. 413332N0721922.1, Bureau of Highways, Dept. of Transportation, Altitude 409 ft. Drilled 1968. Depth to water 0 ft.	Silt, black, organic 0 - 3 3	CO 76 th. 4134528N0721952.1, Town of Colchester Water Dept. Altitude 425 ft. Drilled 1957. Drilled by Layne-New York.			
Sand and gravel, micaceous, gray 3 - 11.2 8.2	Sand, fine to coarse, broken 0 - 1 1	Sand, medium to coarse; broken stone and granite 0 - 29 29			
Schist, decomposed 11.2 - 16.2 5	Sand, fine to coarse; broken; some silt; trace of decomposed rock 1 - 10 9	Refusal on ledge at 29			
Schist; trace of pegmatite 16.2 - 21.2 5	Rock, decomposed, blue-gray 10 - 11.5 1.5				
CO 30 th. 413329N0721923.1, Bureau of Highways, Dept. of Transportation, Altitude 423 ft. Drilled 1968. Depth to water 7 ft.	Schist, mica, decomposed 11.5 - 15 15	CO 77 th. 413455N0721950.1, Town of Colchester Water Dept. Altitude 420 ft. Drilled 1967. Depth to water 5 ft. Drilled by Layne-New York.			
Silt, brown; little sand 0 - 4 4	Topsoil, sand, silty, brown 0 - 1 1	Sand, fine to coarse; silt; broken stone 0 - 32 32			
Sand and gravel, micaceous, gray 4 - 10 6	Sand, fine to coarse, silty, brown; little gravel 1 - 2.5 1.5	Sand, coarse; fine gravel; silt; granite (till?) 32 - 46 14			
Schist, soft 10 - 15 5	Sand, fine to coarse; broken 2.5 - 11 8.5	(bedrock?) at 46			
Schist, decomposed 15 - 20 5	Schist, granite, decomposed, blue-gray 15.5 - 20.5 4.5				
CO 36 th. 413343N0721913.1, Bureau of Highways, Dept. of Transportation, Altitude 424 ft. Drilled 1962.	Topsoil 0 - 2 2	CO 79 th. 413456N0721945.1, Town of Colchester Water Dept. Altitude 420 ft. Drilled 1968. Depth to water 6 ft. Drilled by Layne-New York.			
Sand, fine to coarse, brown; fine to medium gravel; little organic matter; trace of silt 0 - 4.3 4.3	Sand, fine to medium, compact 2 - 10 8	Sand, fine, tan-gray, with traces of medium sand, silt, and clay 0 - 35 35			
Cobbles, fine to coarse sand, and decomposed, blue-gray rock 4.3 - 10 5.7	Sand, fine to medium; gray silt 10 - 15 5	Sand, medium to coarse, tan-brown, and compact; sharp stone (till?) 35 - 45 10			
Schist, mica, soft, partially decomposed, blue-gray 10 - 15 15	Sand, fine to coarse, gray, compact; with decomposed rock (till) 15 - 20 5				
CO 37 th. 413342N0721912.1, Bureau of Highways, Dept. of Transportation, Altitude 424 ft. Drilled 1962. Depth to water 5 ft.	Rock, partly decomposed 20 - 23 3	CO 80 th. 413350N0722303.1, Town of Colchester Water Dept. Altitude 310 ft. Drilled 1950. Depth to water 7 ft. Drilled by Layne New England.			
Silt, brown, and fine to coarse sand; little fine gravel 0 - 4.2 4.2	Topsoil 0 - 1 1	Sand, dark, and gravel 0 - 8 8			
Sand, fine to coarse, brown-red, and fine to medium gravel; trace of silt 4.2 - 21.5 17.3	Sand, coarse, and gravel 1 - 4 3	Sand, coarse, brown, and gravel 8 - 16 7			
CO 40 th. 413345N0721916.1, Bureau of Highways, Dept. of Transportation, Altitude 423 ft. Drilled 1962.	Sand, fine to medium gravel 4 - 18 14	Sand, medium, red, and gravel 16 - 23 9			
Fine, sand, and gravel 0 - 2 2	Silt, clayey, brown; slightly plastic 18 - 23 5	Sand, coarse, gray 23 - 32 5			
Fine to coarse, brown; some fine to medium gravel; little cobbles and boulders; little silt 2 - 10 8	Silt, fine, brown; some fine sand 23 - 32 9	Sand, fine, gray, hard packed 32 - 37 5			
Mica schist, decomposed, very soft, gray-white 10 - 20 10	Sand, fine to medium, medium compacted; little silt (till) 32 - 41 9	Sand, coarse, gray 38 - 40 2			
CO 45 th. 413344N0721930.1, Bureau of Highways, Dept. of Transportation, Altitude 373 ft. Drilled 1962. Depth to water 2 ft.	Sand, medium to coarse, compacted; trace silt and decomposed rock (till) 41 - 46 5	Sand, medium, dark, and gravel 40 - 42 2			
Muck, very soft, black 0 - 8.2 8.2	Rock, silt at 46 5	Sand, coarse, dark, and gravel 42 - 55 13			
Sand, gray, and fine to coarse gravel; trace of silt 8.2 - 16.7 8.5	CO 62 th. 413502N0722343.1, Bureau of Highways, Dept. of Transportation, Altitude 254 ft. Drilled 1956. Depth to water 4 ft.	Sand, coarse, gray 55 - 59 4			
Sand, fine to coarse, gray; trace silt; some coarse to fine gravel 16.7 - 26 7.3	Loam 0 - 2 2	Sand, medium, brown 59 - 62 3			
Rock, decomposed 24 - 26.5 2.5	Sand, medium; silt and gravel; loose to medium compact 2 - 10 8	Sand, medium, gray 62 - 66 4			
CO 46 th. 413344N0721929.1, Bureau of Highways, Dept. of Transportation, Altitude 373 ft. Drilled 1962. Depth to water 2 ft.	Sand, fine; trace of silt 10 - 34 24	Refusal at 66			
Muck, very soft, black 0 - 3.5 3.5	Rock, completely decomposed 34 - 44 10	CO 85 th. 413516N0722310.1, Bureau of Highways, Dept. of Transportation, Altitude 240 ft. Drilled 1972. Depth to water 6 ft. Drilled by U.S. Geol. Survey.			
Sand, gray, and fine to coarse gravel; trace of silt 3.5 - 8 4.5	Rock, granite gneiss 44 - 48 4	Soil, gravelly 0 - 1 1			
Sand, gray, and fine to coarse gravel; trace of silt; pieces of boulders 8 - 13.5 5.5	CO 63 th. 413516N0722315.1, Bureau of Highways, Dept. of Transportation, Altitude 238 ft. Drilled 1956. Depth to water 3 ft.	Gravel, sandy 1 - 10 9			
Sand, fine to coarse, gray; trace of silt; some fine to coarse gravel 13.5 - 18 4.5	Huck 0 - 3 3	Sand, medium to fine, gray, silty 10 - 23 13			
Rock, decomposed, gray-white 18 - 23.5 5.5	Sand, medium; little gravel 3 - 8 5	Clay, blue-gray, varved, with layers of very fine sand and silt 23 - 42 19			
Silt, sandy, brown; topsoil 0 - 1.5 1.5	Sand, fine, and silt 8 - 14 6	Sand, medium to very fine, red-brown, with layers of blue-gray clay 42 - 65 23			
Sand, fine to coarse, brown; some silt; trace fine gravel 1.5 - 9 7.5	Silt and clay; little fine sand 14 - 20 6	Gravel and sand, very rough drilling 65 - 70 5			
Sand, fine to coarse, brown, and fine gravel; trace silt; trace decomposed rock 9 - 15 6	Sand, fine, and silt 20 - 37 17	Sand, very fine to medium; some very coarse sand and fine gravel 70 - 80 10			
Schist, mica, blue to gray, very weathered 15 - 20 5	Sand, fine; some silt; gravel and cobbles (till) 37 - 57 20	Till, blue-gray, very rough drilling 80 - 84 4			
Schist, mica, gray, weathered 20 - 25 5	Quartz, granitic 57 - 62 5	Refusal (probably bedrock) at 84			

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

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
Town of Colchester--Cont.								
CO 87 th. 413559N0722021.1. Stanley Zagray. Altitude 420 ft. Drilled 1972. Depth to water 20 ft. Drilled by U.S. Geol. Survey.			CO 93 th. 413358N0722042.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 8 ft. Drilled by Layne-New York.			CO 99 th--Cont.		
Soil zone 0 - 1 1			Sand, medium, brown, and gravel 0 - 16 16			Sand, fine to coarse, rusty brown; some fine to medium gravel; trace of silt 20 - 25.5 4.5		
Silt and very fine sand 1 - 5 4			Sand, fine, yellow 16 - 19 3			Sandy, fine to coarse, brown; little fine to medium gravel; trace of coarse gravel and silt 24.5 - 27 2.5		
Boulders 5 - 6 1			Sand, medium, yellow, and gravel 19 - 22 6			Sandy, fine to coarse, rusty brown, and fine to coarse gravel; trace of silt and cobbles 27 - 30 3		
Sand, very fine to fine; some medium to coarse sand; little silt; trace very coarse sand (In well sorted layers) 6 - 49 43			Sand, fine, brown 22 - 28 6					
Till (almost no clay at 49 ft but grades down to a tight, light gray, clayey till) 49 - 66 17			Sand, medium, brown 28 - 31 3					
Refusal at 66			Sand, fine, brown 31 - 34 3					
			Sand, fine, brown 34 - 38 4					
			Sand, fine, dark gray 38 - 39 1					
			Sand, fine, dark gray 39 - 49 10					
			Sand, fine, gray 49 - 53 4					
			Sand, fine, dark gray 53 - 63 10					
			Ledge at 63					
CO 88 th. 413537N0722017.1. Town of Colchester. Altitude 433 ft. Drilled 1972. Depth to water 30 ft. Drilled by U.S. Geol. Survey.			CO 94 th. 413350N0722044.1. Town of Colchester. Altitude 310 ft. Drilled 1950. Depth to water 6 ft. Drilled by Layne-New York.			CO 100 th. 413452N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 224 ft.		
Loam 0 - 1 1			Topsoil 0 - 1 1			Road pavement 0 - 0.3 0.3		
Sand, very fine to fine; trace silt; scattered thin gravel layers 1 - 9 8			Sand, medium, brown, and gravel 1 - 19 18			Sandy, fine to coarse, brown; some fine gravel; trace of silt; few cobbles 0.3 - 2 1.7		
Gravel, pebble, with very fine to very coarse orange sand matrix 9 - 13 4			Sand, medium, brown 19 - 27 8			Sand, fine to coarse, brown; little fine to medium gravel; trace of coarse gravel; little silt 2 - 6 4		
Gravel, pebble, with very fine to very coarse brown sand and silt matrix; interbedded with clean gravel and very fine to medium sand matrix 13 - 24 11			Sand, dark gray, and gravel (hard- packed) (till?) 27 - 29 2			Sand, coarse, brown; little fine sand; trace of fine gravel and silt 6 - 14 8		
Sand, very fine to fine; little medium sand. In well sorted 1 ^{1/2} 2 ^{1/2} layers of white and red-brown. 24 - 57 33			Sand, gray, and gravel (hardpacked) (till?) 29 - 33 4			Sand, fine to coarse, light brown; trace of silt 14 - 16.5 2.5		
Sand, very fine to fine, with layers of fine to very fine gravel 57 - 70 13			Ledge 33 - 39 6			Sand, fine, tan; little silt 16.5 - 18 1.5		
Gravel, very fine to fine, and very fine to very coarse sand 70 - 73 3						Sand, fine to coarse, brown; little gravel and silt; rock fragments (sandy till) 18 - 25 7		
Refusal at 73								
CO 89 th. 413529N0722020.1. H. Stallman. Altitude 428 ft. Drilled 1972. Depth to water 20 ft. Drilled by U.S. Geol. Survey.			CO 95 th. 413349N0722041.1. Town of Colchester. Altitude 310 ft. Drilled 1950. Depth to water 6 ft. Drilled by Layne-New York.			CO 101 th. 413507N0722400.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft. Depth to water 6 ft.		
Sand, very fine, and silt 0 - 5 5			Topsoil 0 - 0.5 .5			Silt, dark brown; little sand; trace of gravel; few cobbles 0 - 1.5 1.5		
Sand, very fine to fine; little silt 5 - 11 6			Sand, medium, brown, and gravel 0.5 - 17 16.5			Sand, fine to coarse, rusty brown; little gravel; trace of silt and cobbles 1.5 - 3.5 2		
Sand, very fine, and silt, with occasional thin layer of gravel. 11 - 16 5			Sand, fine, dark 17 - 27 10			Sand, fine, rusty brown; some fine to medium gravel; little silt; trace of coarse sand 3.5 - 10.5 7		
Sand, very fine to fine, clean 16 - 19 3			Sand, fine, dark gray 27 - 29 2			Boulder 10.5 - 12 1.5		
Sand, very fine to fine; little silt; trace medium sand 19 - 33 14			Sand, fine, gray, and clay 29 - 31 2			Sand, fine to coarse, rusty brown; little gravel; trace of silt 12 - 15 3		
Till 33 - 38 5			Sand, fine, gray 31 - 36 5			Sand, fine to coarse, rusty brown; trace of fine gravel and silt 15 - 17.5 2.5		
Refusal at 38			Bedrock at 36			Sand, fine to coarse, tan-gray; some silt and rock fragments; little gravel (sandy till) 17.5 - 21 3.5		
CO 90 th. 413249N0722015.1. Town of Colchester. Altitude 360 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.			CO 96 th. 413359N0722038.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne-New York.			CO 102 th. 413454N0721947.1. Town of Colchester. Altitude 425 ft. Drilled 1968. Depth to water 8 ft. Drilled by Layne-New York.		
Sand, very fine to fine, and silt .. 0 - 4 4			Sand, very fine, tan; trace of medium sand and tan clay 0 - 55 55			Topsoil 0 - 1 1		
Gravel, very fine to fine 4 - 5 1			Sand, very fine, light gray 55 - 60 5			Sand, brown, and silt; trace of gravel 1 - 2 1		
Sand, very fine to fine; some silt; little medium to very coarse sand and gravel 5 - 10 5			Sand, very fine, dark gray 60 - 65 5			Sand, fine to coarse, brown, and fine to coarse gravel; trace of silt and cobbles 2 - 6.5 4.5		
Silt, brown, and very fine sand; little fine sand; trace clay 10 - 34 24			Sand, fine to medium, gray; some silt; clay, and gravel 65 - 82 17			Sand, fine to coarse, rust to light brown; little gravel; trace silt 6.5 - 7.5 1		
Clay, some silt, and very fine to fine sand 34 - 52 18			Sand, fine to coarse, brown 42 - 50 8			Sand, fine, tan to rusty brown; little silt 7.5 - 14 6.5		
Till, sandy, gray 52 - 55 3			Sand, medium, dark brown 50 - 57 8			Sand, fine to coarse, brown; some fine to coarse gravel and cobbles; trace of silt 14 - 18 4		
Refusal at 55			Bottom of hole at 57			Rock slab 18 - 19 1		
CO 91 th. 413300N0721956.1. Town of Colchester. Altitude 325 ft. Drilled 1972. Depth to water 6 ft. Drilled by U.S. Geol. Survey.						Sand, brown, gravel, and silt 19 - 20 1		
Fill, earth 0 - 10 10						Rock, medium, hard, gray; seamy 20 - 26 6		
Gravel and cobbles 10 - 11 1								
Sand, fine-medium 11 - 13 2								
Rock, weathered 13 - 22 9								
Mica schist, garnetiferous at 22								
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.								
Sand, medium, brown, and gravel 0 - 12 12								
Sand, coarse, brown, and gravel 12 - 15 3								
Sand, fine, beige 15 - 18 3								
Sand, medium, beige 18 - 20 2								
Sand, medium, gray 20 - 28 8								
Sand, coarse, gray, and gravel 28 - 32 4								
Sand, fine, dark gray 32 - 42 10								
Sand, fine, gray 42 - 53 11								
Sand, fine, gray, and gravel (hardpacked) (till?) 53 - 59 6								
CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.								
Sand, coarse, light brown; little fine sand; trace fine gravel and silt; few roots 0 - 1 1								
Sand, fine, coarse, rust to light brown, and fine to coarse gravel; trace of silt and cobbles 1 - 8 7								
Sand, fine to coarse, rust-brown, and fine to medium gravel; trace of silt 8 - 19 11								
Sand, coarse, rust-brown, and fine to coarse gravel; little fine sand; trace of silt (lost wash water at 24 ft) 19 - 24 5								
Sand, fine to coarse, brown; trace of fine gravel and silt; cobble at 24 ft 3 inches 24 - 27.5 3.5								
Sand, fine to coarse, tan, and fine to coarse gravel; trace of silt and cobbles 27.5 - 30 2.5								
CO 104 th. 413504N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.								
Sand, fine to coarse, tan; some fine to medium gravel; trace of silt 0 - 4 4								
Sand and fine to medium, tan gravel; trace of coarse gravel and silt 4 - 9 5								
Sand, fine, red-brown, and silt 9 - 17 8								
End of boring at 17								

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of Colchester--Cont.					
CO 105 th. 413504N0722522.1, Bureau of Highways, Dept. of Transportation, Altitude 152 ft. Drilled 1972. Depth to water 12 ft.		CO 113 th. 413521N0722036.1, Bureau of Highways, Dept. of Transportation, Altitude 368 ft. Depth to water 37 ft. Drilled by Engineering Services Inc.		CO 123 th. 413528N0722335.1, Bureau of Highways, Dept. of Transportation, Altitude 259 ft. Drilled 1955. Depth to water 1 ft. Drilled by F. P. Molloy Consulting Engrs.	
Sand and fine to medium gray gravel; trace of coarse gravel and silt... 0 - 1	1	Sand, fine to coarse, brown; and gravel..... 0 - 2	2	Sand, fine to coarse, and gravel 0 - 6.5	6.5
Sandy, fine to coarse, tan; little fine to medium gravel; trace of coarse gravel and silt..... 1 - 7	6	Sandy, fine to medium, brown; little gravel; trace of silt..... 2 - 15	13	Silt; fine sand 6.5- 12	6.5
Sandy, fine to coarse, black to tan; little silt; trace of fine gravel..... 7 - 12	5	Sandy, fine to medium, brown; trace of silt..... 15 - 25	10	Silt; some fine sand; little gravel 12 - 16 (t111?) 16 - 31	4
Sandy, fine to coarse, gray; little silt; trace of fine to medium gravel..... 12 - 28		Sand, fine to medium, brown; trace of silt..... 25 - 36.5		Rock 31 - 37	15
Refusal at 28		Bottom of hole at 36.5			
CO 106 th. 413504N0722526.1, Bureau of Highways, Dept. of Transportation, Altitude 170 ft. Drilled 1972. Depth to water 6 ft.		CO 114 th. 413407N0722008.1, Bureau of Highways, Dept. of Transportation, Altitude 380 ft. Drilled 1952. Depth to water 16 ft. Drilled by Engineering Services Inc.		11.5 Town of Cromwell	
Sand, fine to coarse, tan, and medium fine gravel; little silt; trace of coarse gravel and cobbles..... 0 - 6	6	Sand, fine to coarse, brown, and silt; trace of fine gravel; trace of roots..... 0 - 3	3	CR 1 th. 413755N0724024.1, Algonquin Gas Co. Altitude 125 ft. Drilled 1962. Depth to water 6 ft. Drilled by American Drilling Co.	
Refusal at 6		Gravel, fine to coarse, brown, and fine to coarse sand; trace of silt..... 3 - 7	4	Sand, fine to medium; some gravel; trace of silt 0 - 2	2
CO 107 th. 413504N0722525.1, Bureau of Highways, Dept. of Transportation, Altitude 156 ft. Drilled 1972. Depth to water 7 ft.		Sand, fine to coarse, brown, and fine to medium gravel; trace of silt..... 7 - 11	4	Sand, medium to coarse; some fine gravel; some silt 2 - 15	13
Sand and fine to medium, tan gravel; trace of coarse gravel and silt... 0 - 2	2	Granite gneiss, seamy 11 - 16	5	Sand, very fine; some silt 15 - 72	57
Sandy, fine to coarse, tan; some red to fine gravel; trace of silt..... 2 - 5		Bottom of hole at 16		Bottom of hole at 72	
Sand, fine to coarse, tan; little fine to medium gravel; trace of silt..... 5 - 9	4	CO 115 th. 413351N0721945.1, Bureau of Highways, Dept. of Transportation, Altitude 384 ft. Drilled 1962. Depth to water 16 ft. Drilled by Engineering Services Inc.		CR 3 th. 413751N0723938.1, Cromwell Fire Dist. Water Dept. Altitude 145 ft. Drilled 1966. Drilled by Water Exploration and Devel. Corp.	
Refusal at 10.5	1.5	Sand, fine to medium, brown; little silt; trace of fine gravel 0 - 2	2	Topsoil; fine to coarse brown sand and silt 0 - 15	15
CO 108 th. 413165N0722134.1, Bureau of Highways, Dept. of Transportation, Altitude 292 ft. Drilled 1962. Depth to water 13 ft. Drilled by Engineering Services Inc.		Sand, fine to medium, brown, and silt 2 - 3	1	Sand, very fine, brown; silt and clay 15 - 20	5
Silt, sandy, brown; topsoil 0 - 1	1	Sand, fine to medium, brown; trace of silt 3 - 5.5	2.5	Sand, very fine, brown; silt and clay 20 - 25	5
Sand, fine to coarse, yellow-brown; little silt; trace of fine gravel..... 1 - 5	4	Sand, fine to medium, brown; trace of silt 5.5- 9	4.5	Sand, very fine, reddish-brown; silt and clay 25 - 65	40
Sand, fine to coarse, yellow-brown; some fine to medium gravel and silt (t111?) 5 - 15		Sand, fine to medium, brown; little fine gravel; trace of silt and rock fragments 9 - 10.5		Sand, very fine; silt and clay; trace of fine gravel 65 - 90	25
Sand, red to coarse, brown, and fine gravel; little silt; cemented (t111?) 15 - 25	10	Schist, mica, medium hard, gray; trace of granite 10.5- 15.5		Bottom of hole at 94	4
Refusal at 25		CO 116 th. 413356N0721941.1, Bureau of Highways, Dept. of Transportation, Altitude 385 ft. Drilled 1962. Depth to water 14 ft. Drilled by Engineering Services Inc.		CR 19 th. 413408N0723900.1, Middletown Water Co. Altitude 5 ft. Drilled 1948. Depth to water 4 ft. Drilled by R. E. Chapman Co.	
CO 109 th. 413505N0722124.1, Bureau of Highways, Dept. of Transportation, Altitude 314 ft. Drilled 1952. Depth to water 7 ft. Drilled by Engineering Services Inc.		Sand, fine to coarse, brown, and gravel 0 - 1	1	Gravel and till 0 - 5	5
Topsoil; red-brown silty sand 0 - 1	1	Boulder (decomposed schist) 1 - 4	3	Clay, brown 5 - 55	50
Sand, fine to medium, red-brown; trace of silt and gravel (t111?) 1 - 5	4	Sand, fine to medium, brown; trace of silt 4 - 13	9	Clay, gray 55 - 77	22
Rock, decomposed, gray 5 - 8	3	Sand, fine to medium, brown-gray; trace of silt and fine gravel (t111?) 13 - 30.5	17.5	Ledge at 77	
Rock, decomposed, very soft, red-brown-gray 8 - 18		Bottom of hole at 30.5		CR 22 th. 413605N0724142.1, Bureau of Highways, Dept. of Transportation, Altitude 4 ft. Drilled 1961.	
Rock, decomposed, and fine to medium brownish-yellow sand 18 - 26.5	8.5	CO 117 th. 413359N0721849.1, Bureau of Highways, Dept. of Transportation, Altitude 500 ft. Drilled 1962. Depth to water 8 ft. Drilled by Engineering Services Inc.		Silt, red-brown; little fine sand; trace of clay; trace of roots 0 - 6.5	6.5
Topsoil; silty, brown sand 0 - 1	1	Sand, fine to coarse, brown, and silt; trace of fine gravel; trace of roots 1 - 3	8	Silt and clay, red-brown; trace of fine to coarse sand; trace of clay (glacial t111) 6.5- 18	11.5
Sandy, fine to medium, brown; trace of silt 1 - 5	4	Gravel, fine to coarse, gray-brown, and fine to coarse sand; little silt (t111?) 3 - 11	7.2	Silt, red-brown; little gravel with cobbles; trace of fine to coarse sand; trace of clay (glacial t111) 18 - 39.1	21.1
Hardpan, brown-gray (silt, sand and gravel, cemented); trace of decomposed rock (t111) 5 - 16.5	11.5	Rock, decomposed, brown 11 - 18.2		Silt, brown shale 39.1 - 44.6	5.5
Rock, decomposed, very soft, red-brown-gray 16.5 - 25	8.5	Schist, mica, and gray quartz; weathered, seamy 18.2- 23.2		CR 23 th. 413424N0723909.1, Bureau of Highways, Dept. of Transportation, Altitude 16 ft. Drilled 1957.	
Rock, decomposed, brown and gray ... 25 - 26.5	1.5	Topsoil 0 - 1	2	Pavement; blacktop 0 - 0.5	0.5
Topsoil; some brown silt 0 - 1	1	Sand, fine to coarse, brown, and silt; trace of fine gravel; trace of roots 1 - 3	8	Gravel and cobbles, brown (t111?) 0.5- 8	7.5
Sand, fine, brown, and silt; trace of decomposed rock 1 - 3.5	2.5	Gravel, fine to coarse, gray-brown, and fine to coarse sand; little silt (t111?) 3 - 11	7.2	Sand, medium, brown, and small cobbles 8 - 18	10
Sand, fine, brown, and silt; trace of decomposed rock 3.5- 8.5	5	Rock, decomposed, brown 11 - 18.2		Silt, gray; some fine sand; some woodchips 18 - 38	20
Sand, fine, brown; trace of silt; trace of decomposed rock 8.5- 11.4	2.9	Schist, mica, and gray quartz; weathered, seamy 18.2- 23.2		Gravel, brown; some fine to medium sand; little silt; trace coarse sand 38 - 47	9
Casing refusal at 11.4		Topsoil 0 - 0.7	0.7	Sand, fine to medium, brown; some silt and clay; little gravel; trace coarse sand 47 - 67	20
Schist, mica, gray (cored) 11.4- 21.4	10	Sand, fine to coarse, brown; little silt; trace of fine gravel (t111?) 0.7- 7.5	6.8	Till, brown; sand and medium gravel; little silt; trace of clay; small cobbles 67 - 94	27
Topsoil; brown sand 0 - 2	2	Rock, decomposed, brown 7.5- 10.5	3	Bottom of hole at 94	
Sand, fine to coarse, and brown gravel 2 - 5	3	Schist, mica, seam/soft, weathered, gray 10.5- 20.5	10	CR 24 th. 413712N07224105.1, Bureau of Highways, Dept. of Transportation, Altitude 146 ft. Drilled 1953. Depth to water 9 ft.	
Sand, fine to coarse, brown; some gravel 5 - 15	10	Rock, decomposed, brown 20.5- 21.0	5	Silt, brown; some sand; trace of fine gravel 0 - 2	2
Sand, fine to coarse, brown; trace of gravel 15 - 20	5	CO 122 th. 413527N0722337.1, Bureau of Highways, Dept. of Transportation, Altitude 265 ft. Drilled 1955. Depth to water 3 ft. Drilled by F. P. Molloy Consulting Engrs.		Silt, dark red-brown; some sand; little clay 2 - 8	6
Sand, fine to coarse, gray; some fine brown sand 20 - 31.5	11.5	F111, cinder 0 - 1	1	Silt, dark red-brown; some sand; little clay; little gravel (t111?) 8 - 41	33
		Sand, fine to medium, and silt; little gravel 1 - 7	6	Rock, red shale 41 - 44	3
		Sand, fine to medium, and silt; 7 - 9	2		
		Sand, fine to medium, and silt; some gravel 9 - 13	4		
		Rock, soft, seamy 13 - 23	10		

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

Town of Cromwell--Cont.	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)
CR 25 th. 413714N0724103.1. Bureau of Highways, Dept. of Transportation. Altitude 139 ft. Drilled 1963. Depth to water 7 ft.			CR 34 th. 413642N0724200.1. Bureau of Highways, Dept. of Transportation. Altitude 88 ft. Drilled 1961. Depth to water 2 ft.		CR 43 th. 413731N0724122.1. Bureau of Highways, Dept. of Transportation. Altitude 124 ft. Drilled 1961. Depth to water 33 ft.	
Silt, brown, organic; some sand 0 - 2 2			Topsoil, brown 0 - 1.5 1.5		Topsoil 0 - 1.2 1.2	
Silt, red-brown; some sand; little clay; scattered gravel (till?) 2 - 26.5 24.5			Silt, reddish-brown; some clay 1.5 - 10 8.5		Sand, fine to coarse, red to brown; little gravel; trace silt 1.2 - 5 3.8	
CR 26 th. 413626N0724037.1. Bureau of Highways, Dept. of Transportation. Altitude 76 ft. Drilled 1963. Depth to water 10 ft.			Clay and red-brown silt 10 - 25 15		Sand, fine, red to brown; silt (grading from trace to some) 5 - 25 20	
Silt, brown; some gravel; little sand; trace of clay (till) 0 - 4 4			Traprock, seamy to solid, hard 25 - 30 5		Silt, red to brown; fine sand (grading from some to little) 25 - 35 10	
Silt, red-brown; little sand; scattered gravel and boulders (till) 4 - 20 16			Clay, silty, red to brown; trace fine sand 35 - 55 20		Clay, silty, red to brown; trace fine sand 35 - 55 20	
Rock, sandstone 20 - 25 5			Traprock, seamy, hard, gray 19 - 25 6		Silt, red to brown; little fine to coarse gravel; cobbles and boulders (till) 55 - 61 6	
CR 27 th. 413625N0724036.1. Bureau of Highways, Dept. of Transportation. Altitude 84 ft. Drilled 1963. Depth to water 4 ft.			Rock, basalt, seamed, medium to hard, gray 61 - 66 5		Rock, basalt, seamed, medium to hard, gray 61 - 66 5	
Topsoil 0 - 1 1			CR 35 th. 413641N0724159.1. Bureau of Highways, Dept. of Transportation. Altitude 81 ft. Drilled 1961. Depth to water 0 ft.		CR 44 th. 413626N0724127.1. Bureau of Highways, Dept. of Transportation. Altitude 107 ft. Drilled 1961.	
Silt, brown; some sand; little fine to medium gravel; trace of clay (till?) 1 - 4 3			Topsoil, black 0 - 1.5 1.5		Sand, fine to coarse, brown to red; some gravel 0 - 2 2	
Silt, red-brown; some sand; little fine to medium gravel; trace of clay; scattered boulder (till?) 4 - 15.7 11.7			Silt and red-brown clay 1.5 - 7 5.5		Silt, clayey, red to brown; some silt 2 - 6 4	
Rock, sandstone 15.7 - 20.7 5			Traprock, hard, gray 7 - 12 5		Clay and clayey, red - brown silt (varved) 6 - 31.2 25.2	
CR 28 th. 413631N0724036.1. Bureau of Highways, Dept. of Transportation. Altitude 89 ft. Drilled 1963. Depth to water 4 ft.			CR 36 th. 413644N0724200.1. Bureau of Highways, Dept. of Transportation. Altitude 82 ft. Drilled 1961. Depth to water 0 ft.		Clay, silty, red to brown 31.2 - 40.8 9.6	
Topsoil 0 - 1 1			Topsoil, black 0 - 1.5 1.5		Traprock, gray; clay and quartz partings; some calcite deposits... 40.8- 45.8 5	
Silt, brown, and sand; little fine to medium gravel (till?) 1 - 5 4			Silt and reddish-brown clay 1.5 - 15 13.5		CR 45 th. 413614N0724129.1. Bureau of Highways, Dept. of Transportation. Altitude 85 ft. Drilled 1961.	
Silt, red-brown; some sand; little gravel; trace of clay (till?) 5 - 14.9 9.9			Traprock, hard, seamy, gray 15 - 22 7		Sand, fine to coarse, brown to red; some silt; some gravel (glacial till) 0 - 1.7 1.7	
Rock, sandstone, gray 14.9 - 29.9 15			CR 37 th. 413642N0724158.1. Bureau of Highways, Dept. of Transportation. Altitude 77 ft. Drilled 1961. Depth to water 0 ft.		Clay, red to brown; little clayey silt; grading to varved clay with red silt 1.7- 15.7 14	
CR 29 th. 413615N0724028.1. Bureau of Highways, Dept. of Transportation. Altitude 48 ft. Drilled 1973. Depth to water 2 ft.			Topsoil, sandy, dark brown 0 - 3 3		Sand, fine to coarse, red to brown; some silt; some gravel (glacial till) 15.7 - 22 6.3	
Silt, red-brown; little sand; trace of clay 0 - 4.5 4.5			Sand, fine to medium, brown; some fine to coarse gravel; trace of silt; cemented 3 - 10 7		Traprock, gray; trace of calcite; few horizontal partings 22 - 27 5	
Silt, red; some sand; trace of clay; trace of gravel 4.5 - 6.5 2			Sand, fine to medium, brown; some fine to medium gravel; little silt; cemented; boulder 10 - 17 7		CR 46 th. 413723N0724120.1. Bureau of Highways, Dept. of Transportation. Altitude 82 ft.	
Clay, red-brown; some silt; trace of sand 6.5 - 15 9.5			Pebbles, traprock; cobbles; sand 17 - 25 8		Topsoil 0 - 1 1	
Silt, red-brown; some sand; little clay; trace of gravel 15 - 20 5			Sand, coarse, light brown 25 - 30 5		Silt; some fine sand and clay 4 - 10 6	
Hardpan, silt, and gravel; some sand 20 - 23 3			Sand and coarse brown gravel 30 - 32 2		Silt; trace of clay 10 - 30 20	
Rock, sandstone, red 23 - 28 5			Rock; soft to medium shale 32 - 42 10		Silt; some clay 30 - 35 5	
CR 30 th. 413530N0723943.1. Bureau of Highways, Dept. of Transportation. Altitude 19 ft. Drilled 1963. Depth to water 2 ft.			CR 38 th. 413614N0724218.1. Bureau of Highways, Dept. of Transportation. Altitude 39 ft. Drilled 1963. Depth to water 5 ft.		Silt; some fine sand 35 - 40 5	
Silt, brown; little fine sand; trace of coarse sand and gravel 0 - 2.5 2.5			Topsoil, sandy, dark brown 0 - 3 3		Silt; little fine sand and clay 40 - 45 5	
Silt and clay, brown; little gravel and sand 2.5 - 4 1.5			Sand, fine to medium, brown; some fine silt; some gravel (glacial till) 4 - 10 8		CR 47 th. 413727N0724114.1. Bureau of Highways, Dept. of Transportation. Altitude 85 ft. Drilled 1963. Depth to water: flowing.	
Silt, brown; little clay; trace of fine sand, silt, and clay 4 - 11 7			Sand, fine to medium, brown; some silt; some gravel (glacial till) 10 - 21.5 11.5		Topsoil 0 - 1 1	
Silt, brown-red; some fine to coarse sand; little gravel; trace of clay (till?) 11 - 15 4			Sand, fine to medium, brown; some silt; some boulders (glacial till) 21.5 - 26 4.5		Sand; little gravel 1 - 3 2	
Sand, fine to coarse, brown-red; some silt; little gravel and shale fragments 15 - 18.5 3.5			Rock, shale, red 4.5 - 10 6.4		Sand, fine to coarse; little gravel 3 - 9 6	
Rock, sandstone, brown-red, with layers of shale arkose 18.5 - 28.5 10			CR 49 th. 413655N0724152.1. Bureau of Highways, Dept. of Transportation. Altitude 78 ft. Drilled 1961. Depth to water 2 ft.		Silt; little fine sand 9 - 20 11	
Sand, brown; silt and gravel; trace of cobbles 0 - 3.5 3.5			Topsoil (fine brown silt) 0 - 2 2		Silt; trace of clay 20 - 30 10	
Silt, brown-red, trace of clay, and fine sand 3.5 - 5 1.5			Sand, fine to medium, brown; some silt; some gravel (glacial till) 30 - 40 10		Silt; some clay 30 - 40 10	
Sand, fine to coarse, brown-red; some silt; little gravel and shale fragments; trace of clay (till?) 5 - 12 7			Silt and clay 40 - 53 13		Silt; some fine sand 40 - 53 13	
Rock, sandstone, brown-red, with layers of shale and arkose 12 - 22 10			Rock, shale, red 53 - 56 3		Sand, fine; artesian water 53 - 56 3	
CR 31 th. 413531N0723943.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1963.			CR 50 th. 413655N0724150.1. Bureau of Highways, Dept. of Transportation. Altitude 76 ft. Drilled 1961. Depth to water 0 ft.		Silt; little fine sand 56 - 58 2	
Sand, brown; silt and gravel; trace of cobbles 0 - 3.5 3.5			Topsoil 0 - 0.5 .5		Silt and clay 58 - 62 4	
Silt, brown-red, trace of clay, and fine sand 3.5 - 5 1.5			Sand, fine, red-brown; little silt; trace of clay and organic material 0.5- 2 1.5		Sand and silt; trace of clay and gravel 62 - 67 5	
Sand, fine to coarse, brown-red; some silt; little gravel and shale fragments; trace of clay (till?) 5 - 12 7			Sand, fine to coarse, gray; little gravel; trace of silt and clay 2 - 4.6 2.6		Silt; little fine sand and clay 67 - 72 5	
Rock, sandstone, brown-red, with layers of shale and arkose 12 - 22 10			Silt, red-brown; little clay; trace of fine sand 4.6 - 10 5.4		Silt 72 - 76 4	
CR 32 th. 413505N0723856.1. Bureau of Highways, Dept. of Transportation. Altitude 6 ft. Drilled 1963. Depth to water 1 ft.			CR 48 th. 413655N0724152.1. Bureau of Highways, Dept. of Transportation. Altitude 78 ft. Drilled 1961. Depth to water 2 ft.		Bottom of hole at 50	
Silt and organic block rock 0 - 5 5			Topsoil 0 - 2 2		CR 47 th. 413727N0724114.1. Bureau of Highways, Dept. of Transportation. Altitude 85 ft. Drilled 1963. Depth to water: flowing.	
Silt, brown; some sand; little gravel (till?) 5 - 16.5 11.5			Sand, fine to medium, brown; some gravel (glacial till) 2 - 10 8		Topsoil 0 - 1 1	
Rock, sandstone, brown; weathered 16.5 - 21.5 5			Sand, fine to medium, brown; some silt; some gravel (glacial till) 10 - 21.5 11.5		Sand; little gravel 1 - 3 2	
Rock, sandstone, brown 21.5 - 31.5 10			Rock, shale, red 21.5 - 26 4.5		Sand, fine to coarse; little gravel 3 - 9 6	
CR 33 th. 413505N0723854.1. Bureau of Highways, Dept. of Transportation. Altitude 5 ft. Drilled 1963. Depth to water 2 ft.			CR 49 th. 413655N0724152.1. Bureau of Highways, Dept. of Transportation. Altitude 78 ft. Drilled 1961. Depth to water 2 ft.		Silt; little fine sand 9 - 20 11	
Silt, organic, black; some rock material 0 - 10 10			Topsoil 0 - 1 1		Silt; trace of clay 20 - 30 10	
Clay, gray; little sand 10 - 15 5			Sand, fine to coarse; little silt; (glacial till) 1 - 10 9		Silt; some clay 30 - 40 10	
Silt and sand, brown; little gravel 15 - 20 5			Sand, fine, red to brown; trace silt 10 - 25 15		Silt; some fine sand 40 - 53 13	
Silt and sand, brown; trace of gravel (till?) 20 - 29.1 9.1			Sand, fine, and red to brown silt; trace clay 25 - 35 10		Sand, fine; artesian water 53 - 56 3	
Rock, sandstone, weathered, brown 29.1 - 34.5 5.4			Silt, red to brown; some clay; trace fine sand (varved) 35 - 57 22		Silt; little fine sand 56 - 58 2	
Rock, sandstone, brown 34.5 - 39.5 5			Cobbles 57 - 60 3		Silt and clay 58 - 62 4	

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

	Thickness (feet)	Thickness (feet)		Thickness (feet)	Thickness (feet)		Thickness (feet)
Town of Cromwell--Cont.							
CR 54 th, 413605N0724141.1, Bureau of Highways, Dept. of Transportation. Altitude 3 ft. Drilled 1961.			DR 10 th, 412252N0722643.1, Bureau of Highways, Dept. of Transportation. Altitude 96 ft. Drilled 1963. Depth to water 30 ft.			DR 22 th, 412240N0722718.1, Conn. Water Co. Altitude 135 ft. Drilled 1960. Depth to water 2 ft. Drilled by R. E. Chapman Co.	
Water 0 - 4	4		Topsol, brown 0 - 1	1		Gravel, medium to coarse 0 - 10	10
Slit, dark brown, and fine sand; some coarse sand; some gravel (till?) 4 - 6	2		Sand, fine, brown; some slit; trace gravel (till?) 1 - 3	2		Sand, fine to medium 10 - 20	10
Slit and clay, red-brown; trace of fine to coarse sand; trace of gravel (glacial till) 6 - 19	13		Sand, fine to coarse, brown; some fine to coarse gravel with cobbles and boulders; little slit (till?) 3 - 25	22		Sand, fine 20 - 41	21
Slit, red-brown; trace of clay; trace of fine to coarse sand; little gravel with cobbles (glacial till) 19 - 39.5	20.5		Sand and fine to coarse, brown gravel; decomposed rock (till?) 25 - 35	10		Gravel, sharp, packed (till?) 41 - 44	3
Shale, brown 39.5 - 42.5	3		Gneiss, gray and white 35 - 43			Refusal at 44	
CR 56 th, 413615N0724218.1, Bureau of Highways, Dept. of Transportation. Altitude 50 ft. Drilled 1963.			DR 12 th, 412253N0722644.1, Bureau of Highways, Dept. of Transportation. Altitude 82 ft. Drilled 1963. Depth to water 7 ft.			DR 24 th, 412244N0722720.1, Conn. Water Co. Altitude 137 ft. Drilled 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.	
Topsol, silty, brown 0 - 3	3		Topsol 0 - 0.5	0.5		Gravel, fine to medium 0 - 10	10
Sand, fine to medium, reddish-brown; some gravel 3 - 9.5	6.5		Sand, fine, brown and yellow; some slit; trace gravel 0.5 - 8	7.5		Sand, medium to coarse 10 - 20	10
Boulders, traprock 9.5 - 14.5	5		Sand, fine to coarse, yellow-brown; little slit; little gravel with decomposed rock fragments; boulder at 18 ft (till?) 8 - 14	11.5		Sand, very fine 20 - 57	37
Sand, fine, reddish-brown, and gravel; trace of slit 14.5 - 18.5	4		Gneiss, soft, decomposed, gray and white 14 - 25.5			Refusal at 57	
Sand, coarse, red; little gravel; gravel; coarse, red sand; boulders (till?) 18.5 - 29			Topsol 25.5 - 35	9.5		DR 26 th, 412239N0722720.1, Conn. Water Co. Altitude 137 ft. Drilled 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.	
Traprock, fractured, blue-gray 29 - 39			DR 13 th, 412252N0722655.1, Bureau of Highways, Dept. of Transportation. Altitude 69 ft. Drilled 1963. Depth to water 4 ft.			Gravel, medium to coarse 0 - 7	7
CR 57 th, 413612N0724218.1, Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1963.			Topsol, brown 0 - 0.8	0.8		Sand, medium to coarse 7 - 17	10
Topsol, dark brown; fine silt; some fine brown sand 0 - 4			Sand, fine to medium; some fine to medium gravel; little slit (till?) 0.8 - 11.2	10.4		Sand, very fine 17 - 50	33
Sand, medium to coarse, brown; some silt; little gravel 4 - 9	4		Sand, fine, gray-brown to gray; little slit; decomposed rock fragments (till?) 11.2 - 26.5	15.3		Sand, fine 50 - 63	13
Boulders, traprock; fine to medium sand; some silt and gravel; rock fragments 9 - 14			Refusal at 26.5			Refusal at 63	
Boulders 14 - 17			DR 16 th, 412151N0722533.1, Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1964.			F11 and topsoil (many cobbles and boulders) 0 - 3	3
Sand, fine, medium, brown; some silt and gravel; cemented; boulders 17 - 18.5	1.5		Slit, organic, gray and brown; little fine to coarse sand; twigs, roots 0 - 1.8	1.8		Slit, dark brown, organic (peat) 3 - 5	2
Boulders, shale, decomposed 18.5 - 27	8.5		Sand, fine to coarse, gray; layered with gray-brown organic silt; little fine sand; twigs, roots 1.8 - 3			Sand, fine to coarse, light brown; some fine to coarse gravel; little slit; few cobbles 5 - 12	7
Sand, medium to coarse, brown; some silt; little gravel; cemented (spoon refusal at 28 ft) 27 - 30	5		Sand, fine, gray-brown; little coarse sand; little silt; trace medium to coarse gravel; trace peat, woodchips, and twigs 3 - 4.1	1.1		Sand, fine to coarse, light brown; little slit 12 - 16	4
DR 17 th, 412213N0722721.1, Conn. Water Co. Altitude 138 ft. Drilled 1966. Drilled by Layne-New England.			Sand, gravel, and cobbles 4.1 - 5	.9		Gneiss, hard, gray-white 16 - 21	5
Topsol, black; little fine gray sand 0 - 2.5	2.5		Silt, gray-brown; trace fine sand 5 - 5.7	.7			
Sand, fine, gray to brown; little silt 2.5 - 8			Silt, gray; some coarse sand to fine gravel; trace red-brown clay 5.7 - 7.5	1.8			
Sand, fine to coarse, gray and yellow brown; little silt and gravel; decomposed rock fragments (till?) 8 - 17			Silt, gray; trace fine sand; trace to little red-brown clay 7.5 - 9.5				
Gneiss, gray and white 17 - 22			Sand, fine, gray-brown; little silt; layered with red-brown clay 9.5 - 12.5				
DR 6 th, 412252N0722645.1, Bureau of Highways, Dept. of Transportation. Altitude 99 ft. Drilled 1963. Depth to water 19 ft.			Bottom of hole at 12.5				
Topsol, brown 0 - 1	1		DR 18 th, 412212N0722727.1, Conn. Water Co. Altitude 139 ft. Drilled 1966. Drilled by Layne-New England.				
Sand, fine, and brown slit with cobbles 1 - 4			Clay, light gray to brown, and silt; lenses of clay and sand 0 - 15	15			
Sand, fine to coarse, gray to brown, with rock fragments; boulders at 4 ft and 11.3 ft (till?) 4 - 16.7	12.7		Silt 15 - 36	21			
Sand, fine to coarse, brown; some gravel; little silt; grading with less gravel (till?) 16.7 - 26			Clay and some silt 36 - 41	5			
Sand and fine brown silt; trace fine gravel (till?) 26 - 30	4		Sand, fine to medium, and clay 41 - 52	11			
Sand, fine to coarse, brown; little fine to medium gravel; little silt; boulder at 37.5 ft (till?) 30 - 40			Refusal at 54	2			
Sand, fine to coarse, brown; little fine to medium gravel with cobbles and rock fragments; little silt (till?) 40 - 43	10		DR 19 th, 412301N0722645.1, Conn. Water Co. Altitude 48 ft. Drilled 1960. Depth to water 4 ft. Drilled by R. E. Chapman Co.				
DR 9 th, 412253N0722648.1, Bureau of Highways, Dept. of Transportation. Altitude 103 ft. Drilled 1963. Depth to water 33 ft.			F11, sandy and gravelly 0 - 9	9			
Topsol, brown 0 - 1			Gravel, medium to coarse 9 - 14	5			
Sand, fine, brown; some silt; occasional gravel and cobbles 1 - 4			Gravel, fine to medium 14 - 36	22			
Sand, fine to coarse, brown; some fine to coarse gravel with cobbles; little silt (till?) 4 - 61.5	57.5		Refusal at 36				
DR 21 th, 412259N0722646.1, Conn. Water Co. Altitude 51 ft. Drilled 1960. Drilled by R. E. Chapman Co.			DR 6 th, 412815N0724112.1, Durham Fair Assn. Altitude 57 ft. Drilled 1973. Depth to water 5 ft. Drilled by R. E. Chapman Co.				
Lam and clay 0 - 5	5		Loam and clay 0 - 1	1			
Gravel, coarse 5 - 15			Sand, fine, and gravel 1 - 16	15			
Refusal at 15			Silt, red, and clay 16 - 40	24			
			Sand, fine 40 - 42	2			
			Sand, fine, and clay 42 - 45	3			
			Rock, red 45 - 48	3			
			Refusal at 48				

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

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
Town of Durham--Cont.								
EHD 7 th, 412816N0724115.1, Durham Fair Assn., Altitude 56 ft, Drilled 1973. Depth to water 3 ft. Drilled by R. E. Chapman Co.			EHD 8 th, 412615N0722020.1, Bureau of Highways, Dept. of Transportation, Altitude 75 ft. Drilled 1972. Drilled by U.S. Geol. Survey.			EHD 14 th, 413305N0722704.1, Town of East Hampton, Altitude 70 ft. Drilled 1966. Depth to water 8 ft. Drilled by R. E. Chapman Co.		
Loam and clay 0 - 1 1			Gravel, cobble, and sandy; some silt; layer of sand at 15 ft 0 - 17 17			Boulders, large 0 - 12 12		
Sand, fine, and gravel 1 - 16 15			Bottom of hole at 17			Sand, redish, brown, and small gravel 12 - 25 13		
Clay, firm 16 - 40 24						Sand and gravel, brown 25 - 36 11		
Sand, medium 40 - 56 16						Sand, fine, brown, and small sharp gravel 36 - 42 6		
Rock, red, and clay 56 - 59 3						Refusal at 42		
Refusal at 59								
Town of East Haddam								
EHD 1 th, 412705N0722748.1, Bureau of Highways, Dept. of Transportation, Altitude 0 ft. Drilled 1951. Depth to water 0 ft.			Fill; dirty gravel 0 - 3 3			EHD 15 th, 413304N0722655.1, Parks and Recreation, Unit of D.E.P., Altitude 75 ft. Drilled 1966. Depth to water 6 ft. Drilled by R. E. Chapman Co.		
Water 0 - 15.3 15.3			Gravel, very fine to fine, and medium to very coarse sand; some silt; traces of very fine to fine sand and pebble gravel 3 - 24 21			Sand and boulders 0 - 13 13		
Sand and silt 15.3 - 19.3 4			Sand (smooth drilling, no sample) 24 - 26 2			Sand and gravel, brown 13 - 30 17		
Sand, medium, gray 19.3 - 29.3 10			Gravel, coarse (rougher drilling, no sample) 26 - 31 5			Sand, fine, brown, and small gravel 30 - 45 15		
Sand, brown and gray; some silt 29.3 - 43.3 14			Sand, very fine to medium, brown; some coarse sand 31 - 46 15			Sand, reddish-brown, and small sharp gravel 45 - 53 8		
Gravel; hardpan 43.3 - 47.4 4.1			Gravel, coarse (rough drilling, no sample) (T11?) 46 - 49 3			Refusal at 53		
Sand, brown 47.4 - 52.6 5.2								
Rock, hard, gray 52.6 - 57.6 5								
EHD 2 th, 41304N0722859.1, Arthur Donnellan, Altitude 10 ft, Drilled 1972. Depth to water 3 ft. Drilled by U.S. Geol. Survey.								
Sand, very fine to medium 0 - 3 3								
Silt, black, organic; little very fine to medium sand 3 - 7 4								
Gravel and sand 7 - 9 2								
Sand 9 - 11 2								
Gravel and sand 11 - 15 4								
Sand 15 - 16 1								
Gravel and sand 16 - 19 3								
Sand 19 - 22 3								
Gravel, very fine to medium, and very fine to very coarse sand 22 - 43 21								
Till (?) (rough drilling) 43 - 44 1								
Refusal at 44								
EHD 3 th, 413034N0722257.1, R. S. Cane, Altitude 40 ft. Drilled 1972. Drilled by U.S. Geol. Survey.								
Soil, gravelly 0 - 1 1								
Gravel, sandy and silty 1 - 12 11								
Refusal at 12								
EHD 4 th, 413058N0722329.1, T. W. E. and G. E. Dill, Altitude 393 ft. Drilled 1972. Depth to water 7 ft. Drilled by U.S. Geol. Survey.								
Gravel, very coarse 0 - 8 8								
Refusal at 8								
EHD 5 th, 413023N0722333.1, Town of East Haddam, Altitude 380 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.								
Sand, very fine to coarse; scattered gravel; little brown silt 0 - 14 14								
Gravel, dirty, light, gray; holds water (T11?) 14 - 28 14								
Sand, fine to medium, layered, gray; tight; hard drilling 28 - 51 23								
Silt and very fine sand; trace of gray clay; layered with medium to very fine brown sand and some silt 51 - 53 2								
Sand, very fine to fine, gray; layered with gray silt 53 - 75 22								
Clay, gray, massive, uniform 75 - 77 2								
Sand, very fine to medium, clean, pink with 1/4" varves of red clay 77 - 80 3								
Sand, very fine to very coarse, clean gray and rusty brown; layered with red and gray silt and clay (varves) 80 - 91 11								
Sand, very fine to very coarse, gray, with gravel and silt; occasional cobble (T11?); (slow rough drilling) 91 - 109 18								
Refusal at 109								
EHD 6 th, 413019N0722325.1, Town of East Haddam, Altitude 365 ft. Drilled 1972. Depth to water 4 ft. Drilled by U.S. Geol. Survey.								
Soil, black 0 - 1 1								
Gravel, sandy, dirty 1 - 12 11								
Silt, gray; some very fine sand in layers of 1/4" clay varves 12 - 38 26								
Till, sandy, gray 38 - 49 11								
Refusal at 49								
EHD 7 th, 41304N0722328.1, W. E. Dill, Altitude 390 ft. Drilled 1972. Depth to water 23 ft. Drilled by U.S. Geol. Survey.								
Sand, very fine to medium, brown; trace silt (very micaceous) 0 - 7 7								
Sand, very fine to fine, brown; little silt (very micaceous) 7 - 12 5								
Sand, very fine to fine, brown; some silt (very micaceous) 12 - 22 10								
Sand, very fine to fine, brown; little silt; trace medium sand; occasional red clay varve 22 - 45 23								
Silt, micaceous 45 - 46.5 1.5								
Till, micaceous 46.5 - 47 .5								
Rock at 47								
EHD 8 th, 412615N0722020.1, Bureau of Highways, Dept. of Transportation, Altitude 75 ft. Drilled 1972. Drilled by U.S. Geol. Survey.								
Boulders and coarse gravel 0 - 8 8								
Refusal at 8								
EHD 9 th, 412627N0722005.1, Bureau of Highways, Dept. of Transportation, Altitude 65 ft. Drilled 1972. Depth to water 4 ft. Drilled by U.S. Geol. Survey.								
Fill; dirty gravel 0 - 3 3								
Gravel, very fine to fine, and medium to very coarse sand; some silt; traces of very fine to fine sand and pebble gravel 3 - 24 21								
Sand (smooth drilling, no sample) 24 - 26 2								
Sand, very fine to medium, brown; some coarse sand 26 - 31 5								
Gravel, coarse (rough drilling, no sample) (T11?) 31 - 46 15								
Refusal at 49								
EHD 10 th, 412608N0722034.1, Henry Mazer, Altitude 85 ft. Drilled 1972. Depth to water 6 ft. Drilled by U.S. Geol. Survey.								
Sand, fine to coarse, layered 0 - 20 20								
Sand, very fine to fine, layered; occasional silt layer and scattered gravel 20 - 29 9								
Till, gray, gravelly and sandy; very slow drilling 29 - 30 1								
Refusal at 30								
EHD 11 th, 412659N0722740.1, William Bradway, Altitude 10 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.								
Loam 0 - 1 1								
Silt, organic 1 - 14 13								
Sand, very fine to fine, red 14 - 20 6								
Sand, very fine to medium, red; occasional fine gravel layers and clay layers 20 - 25 5								
Gravel, dirty 25 - 32 7								
Clay, silty, varved; red; occasional thin fine gravel layer 32 - 36 4								
Gravel, dirty 36 - 37 1								
Sand, very fine to fine, silt, and clay; all tightly packed, thin bedded, and yellow; occasional pebble layer 37 - 48 11								
Cobbles on boulders 48 - 49 1								
Refusal at 49								
EHD 12 th, 41334N0723038.1, Town of East Hampton, Altitude 295 ft. Drilled 1961. Depth to water 2 ft. Drilled by Engineering Services, Inc.								
Not reported 0 - 30 30								
Sand, fine to medium, and silty clay; layered 30 - 33 3								
Sand, medium, brown 33 - 40 7								
Sand, fine to coarse, brown, and gravel; trace of silt (T11?) 40 - 43 3								
Refusal at 43								
EHD 13 th, 413353N0723038.1, Town of East Hampton, Altitude 295 ft. Drilled 1961. Depth to water 2 ft. Drilled by Engineering Services, Inc.								
Sand, fine to coarse, brown, and cobble gravel (T11?) 0 - 1.5 1.5								
Muck, black 1.5 - 3 1.5								
Sand, coarse, and gravel 3 - 7.5 4.5								
Sand, fine to coarse, brown, and trace of fine gravel 7.5 - 30 22.5								
Sand, fine to coarse, gray; trace fine to coarse gravel 30 - 31 1								
Refusal at 31								
EHD 14 th, 41334N0723133.1, Town of East Hampton, Altitude 355 ft. Drilled 1962. Drilled by Engineering Services Inc.								
Sand, fine to coarse; little gravel 0 - 10 10								
Sand, fine to medium; little silt 10 - 50 40								
Bottom of hole at 50								
Town of Essex								
ES 1 th, 412105N0722419.1, Bureau of Highways, Dept. of Transportation, Altitude 23 ft. Drilled 1963. Depth to water 6 ft.								
Sand and coarse brown gravel, soft (T11?) 0 - 5 5								
Sand, fine to coarse; some silt; little gravel and cobbles; trace clay (T11?) 5 - 8 3								
Silt, black, organic, and fine sand; trace clay; sand; gray; some fine sand; trace clay; trace coarse sand; trace fine to coarse gravel 8 - 10 2								
Silt, brown to gray; some fine sand; trace clay; trace coarse sand; trace fine to coarse gravel 10 - 14 4								
Silt, brown to tan; thin layers of clay; trace fine to coarse sand 14 - 25 11								
Sand and fine to coarse gravel, brown to tan; some silt (T11?) 25 - 26 1								
Rock, hard 26 - 29.5 3.5								
ES 3 th, 412102N0722441.1, Bureau of Highways, Dept. of Transportation, Altitude 28 ft. Drilled 1963. Depth to water 11 ft.								
Topsoil 0 - 1 1								
Sand, fine, tan; some silt 1 - 4 3								
Sand, fine, gray; some silt 4 - 22 18								
Silt, gray; little fine sand; trace clay 22 - 30 8								
Silt, gray and tan; trace fine sand 30 - 35 5								
Silt, gray; little clay 35 - 47 12.5								
Sand, fine, tan; some silt (T11?) 47 - 53.5 6.5								
Boulder 53.5 - 54.5 1								
Sand, gray; little gravel (T11?) 54.5 - 56.5 2								
Rock, hard, gray 56.5 - 60 3.5								

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

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
Town of Essex--Cont.								
ES 5 th. 412104N0722413.1, Bureau of Highways, Dept. of Transportation. Altitude 42 ft. Drilled 1963. Depth to water 9 ft.			ES 18 th. 412142N0722527.1, Bureau of Highways, Dept. of Transportation. Altitude 29 ft. Drilled 1964. Depth to water 0 ft.			ES 23 th. 412047N0722531.1, Connecticut Water Co. Altitude 45 ft. Drilled 1966. Drilled by Geraghty and Miller.		
Topsoil 0 - 0.6 0.6			Sand, fine to medium, dark brown; some peat 0 - 3 3			Sand, coarse; some coarse gravel; yellow-brown 0 - 20 20		
Sand, fine, tan; some silt 0.6 - 2.5 1.9			Sand, fine to coarse, yellow-brown; trace coarse silt; trace fine gravel 3 - 10 7			Sand, fine to coarse, yellow-brown 20 - 25 5		
Sand, fine to coarse, tan; little silt; trace fine gravel 2.5 - 4 1.5			Sand, fine, red-brown; trace coarse silt 10 - 14 4			Sand, fine 25 - 36 11		
Rock, decomposed 4 - 5.5 1.5			Sand, fine, coarse, yellow-brown; trace fine to coarse silt; trace mica 14 - 19 5			Sand, fine to coarse, light gray 36 - 42 6		
Schist, mica, gray, with veins of white quartz 5.5 - 15.5 10			Sand, fine to medium, red-brown; some clayey silt; trace fine gravel 19 - 25 6			Refusal at 42		
ES 6 th. 412014N0722347.1, Bureau of Highways, Dept. of Transportation. Altitude 93 ft. Drilled 1963. Depth to water 6 ft.			Sand, fine, red-brown and clayey silt; layered with fine to coarse gray sand; trace fine gravel 25 - 29 4			ES 27 th. 412049N0722536.1, Connecticut Water Co. Altitude 45 ft. Drilled 1966. Drilled by Geraghty and Miller.		
Topsoil 0 - 1 1			Sand, fine, coarse, yellow-brown; trace coarse silt 29 - 40 11			Sand, fine to coarse, and coarse gravel 0 - 15 15		
Sand and silt 1 - 3 2			Sand, fine, to coarse, yellow-brown; trace coarse silt; layered with red-brown silt; clay 40 - 45 5			Silt, sand, and gravel with boulders (t111) 15 - 27 12		
Gravel, sand, and silt (t111) 3 - 5 2			Sand, fine, red-brown, and clayey silt; layered with red-brown fine to medium sand 45 - 50 5			Refusal at 27		
Rock, soft to medium, gray 5 - 15 10			Sand, fine to medium, gray; little fine to coarse silt; layered with red-brown silt and clay 50 - 54 4			ES 30 th. 412126N0722424.1, Connecticut Water Co. Altitude 34 ft. Drilled 1953. Depth to water 2 ft. Drilled by S. B. Church Co.		
ES 12 th. 412117N0722436.1, Bureau of Highways, Dept. of Transportation. Altitude 16 ft. Drilled 1964. Depth to water 2 ft.			Sand, fine to medium, gray; little fine to coarse silt; layered with red-brown silt and clay 54 - 64 10			Muck, swamp 0 - 5 5		
Slit, organic, dark brown; some fine sand; layered with gray fine sand 0 - 5 5			Sand, fine, red-brown, and fine to coarse silt 64 - 74 10			Gravel 5 - 16 11		
Sand, fine, dark brown, and clayey silt; trace mica 5 - 7 2			Sand, fine, red-brown; trace fine to coarse silt 74 - 80 6			Sand, coarse, gray, good 16 - 35 19		
Sand, fine to coarse, red-gray; trace fine gravel 7 - 15 8			Sand, fine, to radium, yellow-brown; trace coarse silt 80 - 83 3			ES 32 th. 412003N0722717.1, Connecticut Water Co. Altitude 103 ft. Drilled 1960. Drilled by R. E. Chapman Co.		
Sand, fine to coarse, red-gray; some fine to coarse gravel; trace coarse silt 15 - 20 5			Sand, fine, to coarse, red-brown; trace fine to coarse silt; trace fine to coarse silt 83 - 90 4			Gravel, fine to medium 0 - 7 7		
Sand, fine, red-brown, and fine to coarse silt 20 - 32 12			Sand, fine, to coarse, red-brown; trace fine to coarse silt; trace fine to coarse silt 90 - 92 5			Sand, very fine 7 - 21 14		
Sand, fine to coarse, red-brown, and fine to coarse gravel; trace coarse silt 32 - 39 7			Gravel, fine to coarse, yellow-brown; trace fine to coarse sand (t111) 92 - 97 5			Gravel, sharp, packed (hardpan) 21 - 25 4		
Sand, fine to medium, red-brown; trace mica (t111) 39 - 43 4			Blotite schist at 45			Refusal at 25		
Sand, medium, gray; fine to coarse gravel (t111) 43 - 45 4			ES 19 th. 412116N0722437.1, Bureau of Highways, Dept. of Transportation. Altitude 37 ft. Drilled 1964. Depth to water 6 ft.			ES 35 th. 412000N0722719.1, Connecticut Water Co. Altitude 104 ft. Drilled 1960. Drilled by R. E. Chapman Co.		
Refusal at 45			Sand, fine to coarse, gray-brown; some fine to medium gravel; trace fine to coarse silt 0 - 1.5 1.5			Gravel, medium 0 - 7 7		
ES 13 th. 412116N0722437.1, Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1963. Depth to water 4 ft.			Sand, fine to coarse, yellow-brown; little fine to medium gravel 1.5 - 9.5 8			Sand, very fine 7 - 40 33		
Sand, fine to coarse, dark brown; trace of fine to coarse silt; trace of fine to medium gravel; trace of roots (t111) 0 - 5 5			Silt, clayey, brown; some fine to coarse sand 9.5 - 13 3.5			Clay and gravel (t111) 40 - 44 3		
Sandy, fine to coarse, brown; trace of coarse silt; trace of fine to medium gravel (t111) 5 - 9.5 4.5			Sand, fine to coarse, brown; trace fine to coarse silt 13 - 20 7			Refusal at 44		
Peat, black, and fine sand 9.5 - 10.5 1			Sand, fine to coarse, brown; trace fine to coarse silt; trace fine gravel 20 - 25 5.2			ES 36 th. 412020N0722445.1, Connecticut Water Co. Altitude 24 ft. Drilled 1960. Depth to water 0 ft. Drilled by R. E. Chapman Co.		
Sand, fine to coarse, gray, and fine to coarse gravel 10.5 - 14 3.5			Sand, fine to coarse, brown; trace silt 25 - 28.2 6.8			Sand 0 - 10 10		
Sand, fine, yellow-brown; trace of coarse silt 14 - 26 12			Sand, fine to coarse, yellow-brown; some fine to coarse silt; fine to coarse gravel (t111) 28.2 - 35 1.3			Clay 10 - 45 35		
Sand, fine, yellow-brown; some fine to coarse silt; layered with red-brown silty clay and some fine sand 26 - 41 15			Gravel, fine to coarse, brown; some fine to coarse sand; trace silt (t111) 35 - 36.3 5			Sand, fine 45 - 60 15		
Sand, fine to medium, yellow-brown; trace of coarse silt; trace of fine gravel; medium compact (t111) 41 - 45 5			Rock, white pegmatite 36.3 - 41.3 1.3			Sand, medium to coarse 60 - 63 3		
Sandy, fine to coarse, yellow-brown; fine to coarse gravel; trace silt; compact (t111) 46 - 49 4			ES 20 th. 412021N0722425.1, Connecticut Water Co. Altitude 30 ft. Drilled 1966. Depth to water 0 ft. Drilled by Geraghty and Miller.			Refusal at 63		
Refusal at 49			Sand, very fine; lenses of yellow-brown clay 0 - 15 15			ES 37 th. 412018N0722448.1, Connecticut Water Co. Altitude 24 ft. Drilled 1960. Depth to water 0 ft. Drilled by R. E. Chapman Co.		
ES 15 th. 412139N0722525.1, Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1964. Depth to water 2 ft.			Sand, very fine, and silt; lenses of clay 15 - 20 5			Sand 0 - 14 14		
Sand, fine to medium, yellow-brown; trace fine to coarse silt; trace roots 0 - 4.5 4.5			Clay and silt 20 - 50 3.2			Clay 14 - 48 34		
Sand, fine, yellow-brown; trace fine to coarse silt 4.5 - 15.4 10.9			Clay and silt; lenses of gravel 50 - 59 6.8			Sand, fine 48 - 58 10		
Sand, fine to medium, gray-brown.... 15.4 - 18 2.6			ES 21 th. 412042N0722450.1, Connecticut Water Co. Altitude 40 ft. Drilled 1956. Depth to water 2 ft. Drilled by Layne-New England.			Gravel, medium, sharp, packed (t111) 58 - 61 3		
Sand and fine to coarse gravel, yellow-brown; trace fine to coarse silt (t111) 18 - 25 7			Sand, very coarse, silty, light gray; trace of coarse gravel 0 - 20 20			Refusal at 61		
Sand and fine to coarse gravel, yellow-brown (t111) 25 - 33 8			Sand, coarse, gray 20 - 31 11			ES 38 th. 412017N0722441.1, Connecticut Water Co. Altitude 24 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.		
Boulder 33 - 34 1			Sand, medium 31 - 41 10			Clay, sandy 0 - 9 9		
Sand and fine to coarse gravel, brown; trace coarse silt (t111) 34 - 40 6			Sand, fine 41 - 73 15			Clay 9 - 36 27		
Gravel, fine to coarse, brown (t111) 40 - 41 1			Refusal at 73 32			Sand, medium to coarse 36 - 56 20		
Rock, blotite schist 41 - 51 10			ES 22 th. 412046N0722443.1, Connecticut Water Co. Altitude 41 ft. Drilled 1966. Drilled by Layne-New England.			Sand, medium and gravel, packed (t111) 56 - 63 7		
ES 16 th. 412140N0722528.1, Bureau of Highways, Dept. of Transportation. Altitude 33 ft. Drilled 1964. Depth to water 3 ft.			Sand, medium to coarse 0 - 31 31			Refusal at 63		
Sand, fine to coarse, yellow-brown; some coarse silt; trace fine gravel 0 - 5 5			Sand, medium 31 - 37 6			ES 39 th. 412036N0722434.1, Connecticut Water Co. Altitude 32 ft. Drilled 1960. Drilled by R. E. Chapman Co.		
Sand, fine to coarse, yellow-brown; trace coarse silt and fine to coarse gravel 5 - 8 3			Sand, very fine 37 - 109 72			Gravel, fine to medium 0 - 10 10		
Gravel, fine to coarse, brown; some fine to coarse sand; trace fine to coarse silt (t111) 8 - 20 12			Sand, medium to coarse 40 - 55 5			Sand, medium to coarse 10 - 15 5		
Rock, blotite schist, and white pegmatite 20 - 25 5			Refusal at 88 32			Sand, fine to medium 55 - 66 4		

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

	Thickness (feet)	Thickness (feet)	Thickness (feet)	Thickness (feet)
Town of Essex--Cont.				
ES 41 th. 41205N0722419.1. Connecticut Water Co., Altitude 20 ft. Drilled 1950. Depth to water 1 ft. Drilled by R. E. Chapman Co.				
Sand, fine to medium 0 - 10 10				
Sand, very fine 10 - 54 44				
Clay 54 - 84 30				
Gravel, medium, packed (till?) 84 - 94 10				
Refusal at 94				
ES 42 th. 41204N0722426.1. Connecticut Water Co., Altitude 30 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Sand, fine to medium 0 - 40 40				
Sand, very fine, brown 40 - 60 20				
Sand, very fine, gray 60 - 105 45				
Sand, fine, gray 105 - 128 23				
Refusal at 128				
ES 43 th. 41204N0722426.1. Connecticut Water Co., Altitude 30 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Sand, fine, brown 0 - 44 44				
Clay 44 - 80 36				
Sand, very fine, gray 80 - 90 10				
Refusal at 90				
ES 44 th. 41203N0722426.1. Connecticut Water Co., Altitude 30 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Sand, medium 0 - 20 20				
Sand, very fine 20 - 45 25				
Clay 45 - 85 40				
Gravel, sharp (till?) 85 - 86 1				
Refusal at 86				
ES 45 th. 41214N0722407.1. Connecticut Water Co., Altitude 13 ft. Drilled 1959. Depth to water 2 ft. Drilled by R. E. Chapman Co.				
Gravel, fine to medium 0 - 30 30				
Sand, medium to coarse 30 - 40 10				
Gravel, medium to coarse 40 - 45 5				
Refusal at 45				
ES 46 th. 41214N0722407.1. Connecticut Water Co., Altitude 13 ft. Drilled 1959. Depth to water 3 ft. Drilled by R. E. Chapman Co.				
Gravel, fine, and coarse sand 0 - 10 10				
Gravel, fine 10 - 45 35				
Gravel, medium 45 - 55 10				
Refusal at 55				
ES 47 th. 41214N0722406.1. Connecticut Water Co., Altitude 15 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.				
Gravel, medium 0 - 20 20				
Gravel, fine 20 - 42 22				
Refusal at 42				
ES 48 th. 41214N0722406.1. Connecticut Water Co., Altitude 15 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Gravel, medium to coarse 0 - 20 20				
Gravel, fine 20 - 25 5				
Sand, fine 25 - 45 20				
Refusal at 45				
ES 50 th. 41214N0722403.1. Connecticut Water Co., Altitude 16 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Gravel, medium 0 - 10 10				
Sand, fine 10 - 27 17				
Gravel, coarse, sharp (till?) 27 - 32 5				
Refusal at 32				
ES 51 th. 41214N0722405.1. Connecticut Water Co., Altitude 17 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Gravel, medium 0 - 10 10				
Sand, fine 10 - 27 17				
Gravel, coarse, sharp (till?) 27 - 32 5				
Refusal at 32				
ES 52 th. 41214N0722405.1. Connecticut Water Co., Altitude 17 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Gravel, clay, and boulders (till?) 0 - 12 12				
Refusal at 12				
ES 53 th. 41202N0722711.1. Connecticut Water Co., Altitude 75 ft. Drilled 1959. Drilled by R. E. Chapman Co.				
Gravel, medium 0 - 10 10				
Sand, fine, and clay 10 - 21 11				
Refusal at 21				
ES 55 th. 41213N0722413.1. Connecticut Water Co., Altitude 14 ft. Drilled 1960. Drilled by R. E. Chapman Co.				
Sand, fine 0 - 9 9				
Sand, medium to coarse 9 - 30 21				
Gravel, coarse 30 - 34 4				
Refusal at 34				
ES 56 th. 41213N0722416.1. Connecticut Water Co., Altitude 14 ft. Drilled 1960. Drilled by R. E. Chapman Co.				
Sand, fine 0 - 7 7				
Gravel, medium to coarse 7 - 12 5				
Sand, fine, and clay 12 - 30 18				
Gravel, medium to coarse 30 - 50 20				
Sand, coarse, and fine gravel 50 - 55 5				
Refusal at 55				
ES 57 th. 41213N0722413.1. Connecticut Water Co., Altitude 14 ft. Drilled 1960. Depth to water 2 ft. Drilled by R. E. Chapman Co.				
Sand, fine 0 - 7 7				
Gravel, medium to coarse 7 - 27 20				
Sand, coarse, and fine gravel 27 - 35 8				
Sand, coarse 35 - 40 5				
Refusal at 40				
ES 58 th. 41211N0722433.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1954. Depth to water 0 ft.				
Water 0 - 3 3				
Gravel, fine to coarse; some fine to coarse sand; trace of silt 3 - 6 3				
Silt, clayey, gray-brown; some fine sand (varved) 6 - 12 6				
Sand, fine, gray-brown; trace of silt 12 - 16 4				
Silt, clayey, gray-brown; little fine sand with layers (varves) of fine sand 16 - 27 11				
Gravel, fine to coarse; some fine to coarse sand; trace of silt (till?) 27 - 32 5				
Refusal at 32				
ES 59 th. 41214N0722406.1. Bureau of Highways, Dept. of Transportation. Altitude 19 ft. Drilled 1954.				
Gravel, sand, silt (till); trace of silt and organic matter 11-12 ft 0 - 16 16				
Sand, medium to coarse, and silt 16 - 18 2				
Sand, fine to medium, and silt 18 - 22 4				
Sand, fine to coarse, and silt 22 - 28 6				
Sand, medium to coarse, silt, and little gravel (till) 28 - 31 3				
Refusal at 31				
ES 60 th. 41214N0722432.1. Bureau of Highways, Dept. of Transportation. Altitude 40 ft. Drilled 1963.				
Sand, fine to coarse, red-brown; trace of roots 0 - 3 3				
Sand, fine to medium, light brown; trace coarse silt 3 - 7 4				
Sand, fine to coarse, brown; some fine to coarse gravel; trace of coarse silt (till) 7 - 10 3				
Pegmatite and biotite schist 10 - 20 10				
ES 61 th. 41211N0722431.1. Bureau of Highways, Dept. of Transportation. Altitude 43 ft. Drilled 1963.				
Sand, fine to medium, red-brown; trace of coarse silt; trace of fine to medium gravel; brown humus (till?) 0 - 3 3				
Sand, fine to coarse, gray; some fine to coarse gravel; trace coarse silt (till?) 3 - 9 6				
Schist, biotite, and white pegmatite 9 - 14 5				
ES 62 th. 41212N0722431.1. Bureau of Highways, Dept. of Transportation. Altitude 17 ft. Drilled 1955. Depth to water 2 ft.				
Topsoil, gray; fine to medium sand and silt 0 - 3 3				
Sand, fine to medium, brown; little silt 3 - 5 2				
Sand, fine to medium, brown; fine to coarse gravel; some silt; lenses of fine to coarse sand 5 - 8 3				
Sand, fine, brown; some silt; gneiss, decomposed 8 - 15 7				
Gneiss 15 - 16 1				
Gneiss 16 - 17 1				
ES 63 th. 41172N0723954.1. Bureau of Highways, Dept. of Transportation. Altitude 17 ft. Drilled 1955. Depth to water 2 ft.				
Topsoil, gray; fine to medium sand and silt 0 - 3 3				
Sand, fine, gray; some silt; trace gravel 3 - 8 5				
Sand, fine, brown; some silt; lenses of fine to coarse sand 8 - 15 7				
Gneiss, decomposed 15 - 16 1				
Gneiss 16 - 17 1				
ES 64 th. 41172N0724127.1. Bureau of Highways, Dept. of Transportation. Altitude 9 ft. Drilled 1957. Depth to water 7 ft.				
Topsoil, sandy 0 - 0.4 0.4				
Sand, fine to coarse, brown; some silt 0.4 - .9 .5				
Sand, fine to coarse, brown to light brown; fine to coarse gravel; trace cobbles 0 - 1.9 1				
Sand, fine, red-brown; some silt; little coarse sand; little gravel; trace cobbles 1.9 - 2.6 .7				
Sand, fine, red-brown to light brown; some silt; little coarse sand; little gravel 2.6 - 8.2 5.6				
Silt and fine to coarse, brown sand; trace fine gravel 8.2 - 9.3 1.1				
Refusal at 9.3				
ES 65 th. 41171N0724142.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1955. Depth to water 5 ft.				
Topsoil, brown; fine to medium sand; little fine to medium gravel; trace silt 0 - 4 4				
Sand, fine to coarse, gray; some silt 4 - 8.6 4.6				
Sand, fine, brown; little silt 8.6 - 19 10.4				
Sand, fine to coarse, brown; little fine gravel 19 - 24.5 5.5				
Granite, white-gray 24.5 - 30 5.5				
ES 66 th. 41174N0724142.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1957. Depth to water 5 ft.				
Sand, fine to medium, loamy 0 - 1 1				
Sand, fine to medium, firm 1 - 5 4				
Sand, fine, brown, compact 5 - 8.5 3.5				
Sand, fine to medium, and gravel; hard 8.5 - 10 1.5				

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

	Thickness (feet)	Thickness (feet)		Thickness (feet)	Thickness (feet)		Thickness (feet)
Town of Guilder--Cont.							
G 20 th. 411719N0723857.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1954. Depth to water 6 ft.			G 38 th. 411858N0724155.1. Connecticut Water Co. Altitude 52 ft. Drilled 1958. Drilled by R. E. Chapman Co.			G 67 th. 411903N0724208.1. Connecticut Water Co. Altitude 65 ft. Drilled 1958. Drilled by R. E. Chapman Co.	
Sand, fine to medium; some gravel... 0 - 4	4		Gravel, small, and sand 0 - 8	8		Loam, clay, and boulders 0 - 8	8
Sand, fine to medium; little decomposed rock 4 - 7	3		Sand, fine, and silt 8 - 16	8		Loam, clay, and medium sand 8 - 16	8
Gneiss, decomposed 7 - 10	3		Silt, fine 16 - 32	16		Boulders, some clay, and medium sand 16 - 18	2
Gneiss, solid 10 - 17	7		Silt, fine, and sand 32 - 40	8		Refusal at 47	
G 22 th. 411732N0724133.1. Connecticut Water Co. Altitude 15 ft. Drilled 1955. Depth to water 3 ft. Drilled by R. E. Chapman Co.			Sand, medium, and silt 40 - 47	7		Refusal at 47	
Sand, fine; scattered gravel 0 - 16	16		G 40 th. 411854N0724152.1. Connecticut Water Co. Altitude 52 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Loam, clay, and boulders 0 - 5	5
Sand, medium, and gravel 16 - 24	8		Sand, medium, and silt 0 - 16	16		Clay, medium sand, and broken stone 5 - 10	5
Sand, medium to coarse 24 - 32	8		Silt, fine 16 - 24	8		Sand, medium, and broken stone 10 - 15	5
Sand, medium to coarse; scattered gravel 32 - 40	8		Sand, fine to medium, and silt 24 - 27	3		Sandy, medium to coarse; some clay, 15 - 20	5
Sand, coarse, and small gravel 40 - 46	6		Refusal at 27			Sand, fine to medium, hard packed, 20 - 28	8
Sand, medium, and small gravel 46 - 53	7		G 41 th. 411856N0724200.1. Connecticut Water Co. Altitude 58 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Bottom of hole at 28	
Sand, medium to coarse, and gravel 53 - 59	6		Sand, fine; some gravel 0 - 5	5		G 69 th. 411726N0724026.1. William Pinchbeck, Inc. Altitude 22 ft. Drilled 1972. Depth to water 4 ft. Drilled by U.S. Geol. Survey.	
Sand, fine, and small gravel 59 - 65	6		Gravel, fine sand, and silt 5 - 16	11		Gravel, silty, dirty 0 - 6	6
Sand, fine, silty (tight, no water). 65 - 75	10.5		Sand, medium, and gravel 16 - 24	8		Gravel, silty, pink 6 - 22	16
Refusal (bedrock) at 75.5			Sand, medium 24 - 32	8		Gravel, sandy 22 - 30	8
G 23 th. 411733N0724132.1. Connecticut Water Co. Altitude 15 ft. Drilled 1955. Drilled by R. E. Chapman Co.			Gravel and medium sand 32 - 39	7		Till, sandy 30 - 35	5
Sand and gravel 0 - 24	24		Refusal at 39			Refusal at 35	
Sand and small gravel 24 - 33	9		G 44 th. 411852N0724158.1. Connecticut Water Co. Altitude 60 ft. Drilled 1958. Depth to water 0 ft. Drilled by R. E. Chapman Co.			G 70 th. 411618N0724001.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1972. Depth to water 0 ft. Drilled by U.S. Geol. Survey.	
Sand, fine, silty (no gravel) 33 - 40	7		Sand, medium, clayey loam, and coarse gravel 0 - 8	8		Water 0 - 7.5	7.5
Sand, fine; scattered gravel 40 - 60	20		Sand, fine to medium 8 - 16	8		Muck, gray 7.5 - 10	2.5
Sand, fine, and small sharp gravel (till) 60 - 66	6		Sand, fine to medium, and silt 16 - 24	8		Sand, fine to coarse, brown; trace of silt and mica 10 - 17.5	7.5
Refusal at 66			Gravel, small, fine sand, and silt 24 - 33	9		Silt, red-brown; some clay; trace of fine sand in layers 17.5 - 23.5	6
G 25 th. 411732N0724131.1. Connecticut Water Co. Altitude 15 ft. Drilled 1955. Drilled by R. E. Chapman Co.			Refusal at 33			Silt and red-brown clay; trace of fine sand 23.5 - 30	6.5
Sand, fine, gray, and gravel 0 - 24	24		G 50 th. 411906N0724200.1. Connecticut Water Co. Altitude 60 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Silt and red-brown to gray clay; trace of fine sand 30 - 38	8
Sand, fine to medium, brown, and gravel 24 - 32	9		Loam, clayey, with coarse sand 0 - 5	5		Sand, fine, brown; some silt 38 - 45	7
Sand, coarse, and gravel 32 - 40	7		Sand, coarse, and small gravel 5 - 46	41		Silt, brown, and fine sand 45 - 53	8
Sand, fine to medium, and sharp gravel (till) 40 - 48	20		Refusal at 46			Sand, fine, brown, and silt 53 - 58.5	5.5
Sand, fine, dark, and sharp gravel (till) 48 - 56	8		G 59 th. 411912N0724203.1. Connecticut Water Co. Altitude 60 ft. Drilled 1958. Depth to water 2 ft. Drilled by R. E. Chapman Co.			Silt, gray to red-brown; some fine sand 58.5 - 63	4.5
Refusal at 46			Loam, clayey, broken rock, and boulders 0 - 5	5		Refusal at 63	
G 26 th. 411733N0724129.1. Connecticut Water Co. Altitude 16 ft. Drilled 1955. Depth to water 12 ft. Drilled by R. E. Chapman Co.			Clay, medium sand, and broken rock 5 - 10	5		G 71 th. 411620N0724001.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1972. Depth to water 0 ft.	
Sand, fine, and broken stones 0 - 16	16		Sand, fine to medium, and broken rock; some clay and silt, hard packed (till) 10 - 17	7		Water 0 - 7.5	7.5
Sand, fine to medium, and sharp small gravel 16 - 36	20		Ledge at 17			Muck, gray 7.5 - 9.5	2
Sand, fine 36 - 46	10		G 60 th. 411910N0724206.1. Connecticut Water Co. Altitude 62 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Sand, fine to coarse, and silt 9.5 - 12.5	3
Refusal at 46			Gravel, coarse, and medium sand 0 - 5	5		Silt, red-brown, and clay 12.5 - 17.5	5
G 27 th. 411733N0724129.1. Connecticut Water Co. Altitude 17 ft. Drilled 1955. Depth to water 4 ft. Drilled by R. E. Chapman Co.			Gravel, medium sand, and broken rock 5 - 10	5		Silt, red-brown, and clay in layers 17.5 - 24.5	7
Sand, fine, clay and scattered gravel 0 - 12	12		Sand, fine, red-brown, and silt 10 - 45	10		Sand, fine, red-brown, and silt 24.5 - 44	19.5
Sand, fine to medium, and gravel ... 12 - 24	12		Sand, medium to coarse, and gravel 45 - 50	5		G 72 th. 411756N0723921.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946.	
Sand, fine to medium, and sharp gravel; traces of clay (till).... 24 - 36	12		Sand, medium, small gravel, and gray clay 50 - 55	5		Water 0 - 1	1
Refusal at 36			Sand, medium to coarse, and small gravel 55 - 60	5		Mud; some silt 1 - 5	4
G 28 th. 411735N0724130.1. Connecticut Water Co. Altitude 16 ft. Drilled 1955. Depth to water 5 ft. Drilled by R. E. Chapman Co.			Refusal at 60			Clay, gray; some silt 5 - 9	4
Sand, fine, clay, and gravel 0 - 12	12		G 61 th. 411908N0724205.1. Connecticut Water Co. Altitude 65 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Sand, medium; considerable silt... 9 - 12	3
Sand, fine to medium, and dark sharp gravel 12 - 24	6		Gravel, coarse; loamy clay; fine silt 0 - 5	5		Gravel, fine, gray 12 - 17	5
Sand, fine to medium, and gravel ... 24 - 30	12		Sand, fine, and silt 5 - 15	10		Hardpan, boulders, and gravel) 17 - 24	7
Sand, fine, and gravel; scattered gravel; traces of clay (till).... 30 - 38	12		Sand, fine to medium, and silt 15 - 20	5		Rock, soft to medium 24 - 33	9
Refusal at 38			Silt, fine, and clay 20 - 25	5		Rock 33 - 38	5
G 29 th. 411735N0724130.1. Connecticut Water Co. Altitude 16 ft. Drilled 1955. Depth to water 5 ft. Drilled by R. E. Chapman Co.			Sand, fine, and broken rock; some clay 25 - 35	10		G 73 th. 411632N0724032.1. Bureau of Highways, Dept. of Transportation. Altitude 11 ft. Drilled 1939.	
Sand, fine, clay, and gravel 0 - 12	12		Sand, fine, and medium, and clay 35 - 40	5		Loam 0 - 2	2
Sand, fine to medium, and dark sharp gravel 12 - 24	6		Sand, fine, and medium, and clay 40 - 45	5		Sand, fine, brown, and clay 2 - 15	13
Sand, fine to medium, and gravel ... 24 - 30	12		Sand, fine, and medium, and clay 45 - 50	5		Sand, fine, brown, and broken clay 15 - 19	4
Sand, fine, and gravel 30 - 38	12		Sand, medium, clay, and small gravel 45 - 52	5		Boulder 19 - 22	3
Sand, fine, and small sharp gravel ... 38 - 46	8		Refusal at 52			Sand, coarse, brown, and some clay 22 - 24	2
Sand, fine, silty, and sharp gravel 46 - 58	8		G 74 th. 411631N0724031.1. Bureau of Highways, Dept. of Transportation. Altitude 10 ft. Drilled 1939.			Gravel, boulders, and some clay 24 - 26	2
Sand, fine, clayey 58 - 62	8		Loam and cinders 0 - 1	5		(till) 26 - 32	6
Refusal at 62			Clay, medium brown, and sand 1 - 10	5		Hardpan (till) 32 - 43	11
G 35 th. 411859N0724200.1. Connecticut Water Co. Altitude 55 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Sand 43 - 48	5		Rock 43 - 48	5
Clay, fine sand, and small gravel... 0 - 8	8		G 75 th. 412247N0724222.1. Bureau of Highways, Dept. of Transportation. Altitude 182 ft. Drilled 1930.			Fill, rocks 0 - 5	5
Gravel, small, clay, and fine sand... 8 - 16	8		Clay, medium brown, and sand 5 - 25	5		Mud 5 - 25	20
Sand, medium, and small gravel 16 - 24	8		Sand, fine, brown, and clay 10 - 19	5		Sand 20 - 40	20
Sand, medium, and small gravel 24 - 32	8		Rock 19 - 25	5		Sand and gravel 40 - 51	11
Sand, medium, and small gravel 32 - 40	8		G 76 th. 411908N0724201.1. Connecticut Water Co. Altitude 60 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Bottom of hole at 51	
Sand, fine, to medium 40 - 45	8		Loam, clayey, and boulders 0 - 5	5			
Refusal at 45			Clay, medium sand, and broken stone 5 - 10	5			
G 37 th. 411855N0724157.1. Connecticut Water Co. Altitude 55 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Sand, medium, and clay 10 - 19	5			
Loam and gravel 0 - 8	8		Rock 19 - 25	5			
Silt, fine 8 - 21	13		G 77 th. 411908N0724201.1. Connecticut Water Co. Altitude 60 ft. Drilled 1958. Drilled by R. E. Chapman Co.				
Refusal at 21			Loam and cinders 0 - 1	1			

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

Town of Haddam	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)
HD 2 th. 412724N0723142.1. Bureau of Highways, Dept. of Transportation. Altitude 165 ft. Drilled 1963. Depth to water 6 ft.			HD 20 th--Cont.		HD 27 th. 412756N072328.1. Bureau of Highways, Dept. of Transportation. Altitude 345 ft. Drilled 1963. Depth to water 9 ft.	
Topsoil, dark brown 0 - 2 2			Cobble and gravel zone 61 - 62 1		Topsoil 0 - 1 1	
Silt; gray; trace fine sand; roots. 2 - 4 2			Sand, very fine to very coarse, gray (t111?) 62 - 66 4		Gravel; some silt 1 - 6 5	
Sand, fine to coarse, yellow to brown; little silt; little fine gravel 4 - 7 3			Till, sandy, gray 66 - 67 1		Sand, fine to coarse; some silt; some fine to coarse gravel; trace of clay; few cobbles (t111?) 6 - 15 9	
Silt, red to brown; trace clay; trace fine sand 7 - 15 8			Refusal at 67		Sand, fine to coarse, brown; some silt; trace of fine gravel; trace of clay; few cobbles (sandy till) 15 - 20 5	
Sand, fine to coarse, brown; cobbles; little silt; little fine to coarse gravel (t111?) 15 - 18 3			HD 21 th. 413025N0723259.1. Parks and Recreation, Unit of D.E.P. Altitude 9 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.		Sand, fine to coarse, and silt; trace of fine gravel; trace of clay and cobbles (t111) 20 - 30 10	
Boulder 18 - 19 1			Sand, coarse to very coarse, gray; some very fine to fine sand; trace of silt 28 - 47 19		Sand, fine to coarse, and silt; little clay; trace of fine gravel (brown hard till) 30 - 37 7	
Gravel, coarse, brown, and fine to coarse sand; trace silt; cobbles, and small boulders (t111?) 19 - 28.5 9.5	28.5 - 33.5	5	Sand, very fine to fine, gray; trace of silt with thin layers 47 - 68 21		HD 29 th. 412757N0723054.1. Bureau of Highways, Dept. of Transportation. Altitude 93 ft. Drilled 1954.	
Rock, gray 28.5 - 33.5 5			Refusal at 111		Sand, coarse 0 - 3 3	
HD 4 th. 412700N0723122.1. Bureau of Highways, Dept. of Transportation. Altitude 257 ft. Drilled 1963. Depth to water 8 ft.			HD 22 th. 413021N0723232.1. Fish and Waterlife, Unit of D.E.P. Altitude 12 ft. Drilled 1972. Drilled by U.S. Geol. Survey.		Sand and gravel 3 - 5.5 2.5	
Loam, brown 0 - 4 4			Silt, red, layered with very fine sand and occasional clay layers (varves) 0 - 32 32		Sand, fine, and silt; some medium sand 5.5 - 12 6.5	
Silt, brown to tan, and fine to coarse sand; little fine to medium gravel; little to trace of clay and cobbles (t111) 4 - 9 5			Gravel, very fine to coarse, and very fine to very coarse sand; little silt 32 - 95 63		Sand and gravel 12 - 16 4	
Sand, fine to coarse, brown to gray; some fine to medium gravel; trace silt and cobbles (t111) 9 - 14 5			Gravel, sandy (t111?) 95 - 97 2		Sand, coarse, brown 16 - 20 4	
Sand, fine to coarse, brown and gray; fine to coarse gravel; little silt; trace clay and cobbles (t111) 14 - 21 7			Till (t111?) 97 - 102 5		Sand and brown gravel 20 - 25 5	
Sand, fine to coarse, brown; little fine to medium gravel; trace silt and cobbles (t111) 21 - 30 9			HD 23 th. 412907N0723100.1. Parks and Recreation, Unit of D.E.P. Altitude 12 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.		Rock, soft, mica 25 - 35 10	
Sand, fine to coarse, brown, and silt; trace fine gravel; trace clay and cobbles (t111) 30 - 35 5	35 - 45	10	Silt, black (alluvium) 0 - 7 7		Town of Hebron	
Rock 35 - 45 10			Gravel, dirty, with layers of sand. Sandy, coarse to very coarse; trace very fine to medium sand; trace dirty gravel 7 - 15 8		HD 1 th. 413649N0722040.1. Bureau of Highways, Dept. of Transportation. Altitude 409 ft. Drilled 1972. Depth to water 12 ft. Drilled by U.S. Geol. Survey.	
HD 6 th. 412609N0723055.1. Bureau of Highways, Dept. of Transportation. Altitude 399 ft. Drilled 1963. Depth to water 4 ft.			Gravel, dirty 15 - 25 10		Soil zone 0 - 4 4	
Blacktop, top of road 0 - 0.3 0.3			Sand, very fine to medium, red; trace silt 25 - 70 45		Sand, very fine to very coarse; some silt; scattered thin gravel layers 4 - 15 11	
Sand, tan, and gravel; trace of silt; trace of cobbles (t111) 0.3 - 3 2.7			Gravel, dirty 70 - 107 37		Refusal at 15	
Gravel, fine to medium, gray to tan, and fine to coarse sand; trace cobbles, light silt, and clay (t111) 3 - 8 5			Till, gray 107 - 112 5		HB 2 th. 413651N0722054.1. Town of Hebron. Altitude 390 ft. Drilled 1972. Depth to water 10 ft. Drilled by U.S. Geol. Survey.	
Rock, hard, very seamy 8 - 18 10			Bottom of hole at 112		Sand, very fine to very coarse; some gravel; some silt 0 - 13 13	
HD 8 th. 412826N0723328.1. Bureau of Highways, Dept. of Transportation. Altitude 208 ft. Drilled 1962. Depth to water 0 ft.			HD 24 th. 412628N0723106.1. Bureau of Highways, Dept. of Transportation. Altitude 350 ft. Drilled 1963. Depth to water 28 ft.		Sand, very fine to very coarse; trace silt 13 - 20 7	
Sand, fine, tan; trace silt 0 - 1 1			Humus and roots 0 - 0.5 0.5		Gravel 20 - 23 3	
Sand, fine, light brown; trace coarse sand; trace silt 1 - 2.5 1.5			Sand, fine to coarse, red-brown; fine to medium gravel; trace of silt 0.5 - 6 5.5		Rock 23 - 24 1	
Sand, fine, brown to tan; trace coarse sand; trace silt 2.5 - 4.7 2.2			Sand, fine, yellow-tan; some silt; trace of medium to coarse sand 6 - 9 3		HB 4 th. 413604N0722057.1. Tony Mikulske. Altitude 353 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.	
Rock, gray granite 4.7 - 10.5 5.8			Gravel, fine to medium, red-brown, and fine to coarse sand; trace of silt 9 - 15 6		F111 0 - 4 4	
HD 9 th. 412940N0723332.1. Bureau of Highways, Dept. of Transportation. Altitude 59 ft. Drilled 1950.			Boulder 15 - 16.5 1.5		Huck, black, organic 4 - 7 3	
Sand, fine 0 - 2 2			Gravel, fine to medium, red-brown, and fine to coarse sand; little silt 15.5 - 22 5.5		Sand, fine to coarse, with layers of coarse gravel 7 - 13 36	
Sand, medium 2 - 6.6 4.6			Sand, coarse, yellow-tan; little fine sand; trace of fine gravel; trace of silt 22 - 30 8		Gravel, coarse, gray; very fine to very coarse sand and silt; very tight; slow, rough drilling 43 - 78 35	
Sand and gravel, coarse 6.6 - 14 7.4	at 14		Sand, fine to coarse, gray; little fine gravel; little silt 30 - 36 6		Refusal (probable bedrock) at 78	
Bottom of hole at 14			Gravel, medium, gray, and sand; trace of silt 36 - 40 4		HB 5 th. 413557N0722101.1. Tony Mikulske. Altitude 355 ft. Drilled 1972. Depth to water 4 ft. Drilled by U.S. Geol. Survey.	
HD 19 th. 412658N0722756.1. Hall Zuries. Altitude 8 ft. Drilled 1972. Depth to water 8 ft. Drilled by U.S. Geol. Survey.			Bottom of hole at 40		F111 0 - 1 1	
Alluvium; silt and clay 0 - 20 20			HD 25 th. 412752N0723225.1. Bureau of Highways, Dept. of Transportation. Altitude 221 ft. Drilled 1963. Depth to water 5 ft.		Huck, black, organic 1 - 2 1	
Silt and very fine to very coarse, black sand bedded with occasional thin clay layer (sand grain size increasing with depth) 20 - 50 30			Topsoil 0 - 0.5 0.5		Sand, very fine to fine, and silt 2 - 9 7	
Sand, very fine to very coarse, black and brown, layered; trace to some silt; occasional bed of very fine gravel; occasional clay varve 50 - 112 62			Sand, fine, tan; some silt; trace of coarse sand 0.5 - 3 2.5		Silt, clayey, light brown, and silty clay, layered with some beds of black organic mud and very fine sand 9 - 10 1	
Bottom of hole at 112			Sand, fine, tan; some silt; trace of coarse sand 3 - 8 5		Gravel, sandy 10 - 28 18	
HD 20 th. 412742N0723351.1. Haddam Jr. High School. Altitude 345 ft. Drilled 1972. Depth to water 4 ft. Drilled by U.S. Geol. Survey.			Sand, fine, red-brown, and silt; trace of coarse sand; trace of clay; little fine to medium gravel (t111) 8 - 24 16		Gravel, sandy 28 - 30 2	
Loam, black 0 - 1 1			Sand, fine, to coarse, gray and red-brown; some fine to medium gravel; trace of silt; trace of clay (t111) 24 - 30 6		Till, very sandy, light gray 30 - 52 22	
Gravel, dirty 1 - 5 4			Refusal (bedrock) at 52		Till, gray, very sandy and gravelly 28 - 35 7	
Sand, very fine to medium; some coarse to very coarse sand; trace silt; scattered gravel 5 - 7 2					Refusal (bedrock) at 35	
Sand, fine to very coarse; trace very fine sand; trace silt; trace very fine gravel 7 - 30 23						
Sand, coarse to very coarse, and very fine to fine gravel 30 - 41 11						
Sand, very fine to medium; little coarse to very coarse sand; trace to some silt; occasional red and gray silt and clay varves 41 - 61 20						

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

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
<u>Town of Hebron--Cont.</u>								
HB 7 th. 413850N0722358.1. Bureau of Highways, Dept. of Transportation. Altitude 349 ft. Drilled 1959. Depth to water 10 ft.			K 9 th. 411850N0723516.1. Connecticut Water Co. Altitude 12 ft. Drilled 1966. Depth to water 2 ft. Drilled by Layne-New England.			MA 4 th. 411726N0723514.1. Bureau of Highways, Dept. of Transportation. Altitude 49 ft. Drilled 1955. Depth to water 10 ft.		
Sand, medium, brown; cobbles 0 - 8 8			Topsol 0 - 3 3			Topsol, brown 0 - 2 2		
Sand and coarse gravel, cobbles, and boulders 8 - 16.5 8.5			Sand, medium to coarse, brown; 3 - 12 9			Sand, fine to coarse, brown, and small boulders 2 - 13 11		
Rock, gray and white 16.5 - 25.5 9			Sand, fine to medium, brown 12 - 18 6			Sand, fine to coarse 13 - 15.5 2.5		
HB 8 th. 413929N0722223.1. Bureau of Highways, Dept. of Transportation. Altitude 435 ft. Drilled 1959.			Sand, medium to coarse, and gravel, with lenses of gravel 18 - 30 12			Sand, medium to coarse 15.5 - 19.5 4		
Topsol 0 - 0.5 0.5			Sand, medium to coarse, brown, with lenses of gravel 30 - 36 6					
Sand, medium, brown; some silt and gravel 0.5 - 14 13.5			Refusal 36 - 64 28					
Sand, medium to coarse, brown, and gravel 14 - 18 4			at 64					
Sand, medium, gray, and gravel; some cobbles (6 to 8 in); some silt ... 18 - 25 7								
HB 9 th. 413945N0722222.1. Bureau of Highways, Dept. of Transportation. Altitude 463 ft. Drilled 1957.								
Peat, silt, and fine sand in thin layers 0 - 14 14								
Sand, fine to coarse, gray, and gravel; several cobbles 14 - 27.5 13.5								
Bottom of hole at 27.5								
<u>Town of Killingworth</u>								
K 2 th. 412148N0723239.1. Connecticut Water Co. Altitude 290 ft. Drilled 1964. Depth to water 4 ft. Drilled by R. E. Chapman Co.			K 11 th. 411853N0723520.1. Connecticut Water Co. Altitude 12 ft. Drilled 1966. Depth to water 3 ft. Drilled by Layne-New England.			MA 11 th. 411717N0723736.1. Bureau of Highways, Dept. of Transportation. Altitude 27 ft. Drilled 1955. Depth to water 6 ft.		
Sand, fine to medium 0 - 5 5			Sand, fine to medium; lenses of yellow-brown, coarse gravel 0 - 52 52			Sand, fine to medium, brown; little gravel; trace silt 0 - 7 7		
Sand, medium to coarse, and fine gravel 5 - 20 15			Sand, fine to medium; lenses of coarse sand 52 - 57 5			Sand, fine, brown; trace silt 7 - 19 12		
Sand, medium to coarse 20 - 30 10			Sand, medium to coarse; trace of gravel 57 - 62 5			Sand, fine gray; little silt 19 - 23 4		
Refusal at 30			Sand, fine to medium 62 - 79 17			Sand, fine, gray; trace silt 23 - 33 10		
K 3 th. 412148N0723242.1. Connecticut Water Co. Altitude 290 ft. Drilled 1964. Depth to water 3 ft. Drilled by R. E. Chapman Co.			Sand, very fine to fine 79 - 85 6			Sand, fine; trace silt; trace small gravel (tilt) 33 - 45 12		
Gravel, medium to coarse 0 - 10 10			Refusal at 85			Rock, granite 45 - 51 6		
Sand, coarse, and fine gravel 10 - 37 27						at 56		
Refusal at 37								
K 4 th. 412148N0723238.1. Connecticut Water Co. Altitude 280 ft. Drilled 1964. Depth to water 3 ft. Drilled by R. E. Chapman Co.			K 12 th. 411855N0723516.1. Connecticut Water Co. Altitude 17 ft. Drilled 1966. Depth to water 8 ft. Drilled by Layne-New England.			MA 13 th. 411720N0723844.1. Bureau of Highways, Dept. of Transportation. Altitude 9 ft. Drilled 1955. Depth to water 6 ft.		
Gravel, medium to coarse 0 - 15 15			Silt and fine to medium sand 0 - 16 16			Sand, fine to medium, brown; trace coarse sand; trace small gravel 0 - 10.5 10.5		
Sand, medium to coarse 15 - 30 15			Sand, fine to medium, gray; little silt 10.5 - 22.3 11.8			Sand, medium, gray; trace fine sand; trace coarse sand 22.3 - 29.3 7		
Refusal at 30			Sand, fine, brown; little silt 29.3 - 32.3 3			Sand, fine, gray; little silt 32.3 - 40.3 8		
K 5 th. 412146N0723243.1. Connecticut Water Co. Altitude 288 ft. Drilled 1964. Depth to water 3 ft. Drilled by R. E. Chapman Co.			Sand, coarse, reddish 42 - 66 24			Silt, brown; trace clay; little sand 40.3 - 44.4 4.1		
Gravel, medium to coarse 0 - 15 15			Refusal at 65			Sand, very fine, gray, and silt 44.4 - 51.2 6.8		
Sand, medium to coarse 15 - 24 9						Sand, fine, brown; little silt; layers of clay 51.2 - 59.5 8.3		
Refusal at 24						Sand, medium, brown; little gravel 59.5 - 67.4 7.9		
K 6 th. 411841N0723519.1. Connecticut Water Co. Altitude 10 ft. Drilled 1965. Depth to water 2 ft. Drilled by Layne-New England.			Sand; some gravel with thin layers of red clay 67 - 104 6			Rock, schist 67.4 - 73.5 6.1		
Sand, coarse; trace of gravel 0 - 40 40			Refusal at 104					
Sand, very fine to fine; few lenses of clay 40 - 63 23								
Sand, very coarse, and fine gravel 63 - 70 7								
Refusal at 70								
K 7 th. 411842N0723512.1. Connecticut Water Co. Altitude 10 ft. Drilled 1966. Depth to water 2 ft. Drilled by Layne-New England.			L 2 th. 412211N0722140.1. J. E. Harding, Sr. Altitude 49 ft. Drilled 1972. Depth to water 32 ft. Drilled by U.S. Geol. Survey.			MA 15 th. 411720N0723847.1. Bureau of Highways, Dept. of Transportation. Altitude 8 ft. Drilled 1955. Depth to water 7 ft.		
Sand, fine, silty, brown 0 - 15 15			Sand, very fine to coarse; trace pebble gravel and silt; grain size increases with depth to fine to very coarse sand and medium gravel; trace of very fine sand and silt 0 - 4 4			Sand, fine to medium, brown; trace gravel 0 - 5 5		
Sand, fine to coarse 15 - 25 10			Gravel, fine to coarse, and very fine 4 - 9 5			Sand, fine, brown; trace medium sand; trace silt 5 - 12 7		
Sand, fine to medium 25 - 51 26			Sand, very fine to coarse; trace silt; yellow changing to red 9 - 60 51			Sand and brown silt; trace clay 12 - 23 11		
Sand, fine to medium; lenses of gravel 51 - 67 16			Sand, fine to medium, brown; trace silt 60 - 90 30			Sand, medium to coarse, brown; some small gravel; trace fine sand 23 - 35 12		
Sand, fine, gray 67 - 72 5			Sand, very fine to medium, gray; some silt; occasional varve of red or gray clayey silt 90 - 112 22			Rock, granite 35 - 41.1 6.1		
Refusal at 72			Bottom of hole at 112					
K 8 th. 411845N0723512.1. Connecticut Water Co. Altitude 10 ft. Drilled 1966. Depth to water 3 ft. Drilled by Layne-New England.								
Sand, medium, silty, brownish-gray 0 - 15 15								
Sand, fine to medium, light tan 15 - 36 10								
Sand, fine to medium, brownish-gray, with lenses of gravel 36 - 51 15								
Sand, medium, tan 51 - 56 5								
Sand, fine to coarse, reddish-tan; lenses of gravel 56 - 66 10								
Sand, fine to coarse, brownish-gray; lenses of gravel 66 - 76 10								
Sand, fine to medium, gray 76 - 86 10								
Refusal at 86								
<u>Town of Madison</u>								
MA 1 th. 411726N0723434.1. Bureau of Highways, Dept. of Transportation. Altitude 35 ft. Drilled 1955. Depth to water 2 ft.			L 3 th. 412439N0723520.1. Paul Selden. Altitude 20 ft. Drilled 1972. Depth to water 16 ft. Drilled by U.S. Geol. Survey.			MA 16 th. 411718N0723820.1. Bureau of Highways, Dept. of Transportation. Altitude 26 ft. Drilled 1954. Depth to water 1 ft.		
Sand, very fine to very coarse; trace pebble gravel and silt; grain size increases with depth to fine to very coarse sand and medium gravel; trace of very fine sand and silt 1 - 30 29			Sand, very fine to coarse, red; some silt 0 - 4 4			Topsol, brown 0 - 3 3		
Sand, fine, brown, clean, well sorted; occasional beds of very fine sand or silt 30 - 98 68			Gravel, fine to coarse, and very fine 4 - 9 5			Sand, fine to medium, brown 3 - 6 3		
Sand; some gravel with thin layers of red clay 98 - 104 6			Sand, very fine to coarse red sand 9 - 60 51			Sand, fine, and silt; brown 6 - 10 4		
Refusal at 104			Sand, fine to medium, brown; trace silt 60 - 90 30			Sand, fine to medium, brown; trace gravel; trace boulders (tilt) 10 - 17 7		
			Sand, fine to medium, brown; trace silt 90 - 112 22			Refusal at 20		
			Bottom of hole at 112					
MA 1 th. 411726N0723434.1. Bureau of Highways, Dept. of Transportation. Altitude 35 ft. Drilled 1955. Depth to water 2 ft.								
Topsol, brown 0 - 1 1								
Sand, fine, light brown; some silt; trace gravel 1 - 2.5 1.5								
Sand, medium to coarse, light brown; little gravel; trace silt 2.5 - 6.4 3.9								
Sand, medium to coarse, light brown; some gravel and small cobbles; trace silt 6.4 - 11.8 5.4								
Silt, gray to brown; little fine sand 11.8 - 14.8 3								
Sand, fine, gray to brown; little silt 14.8 - 20.1 5.3								
Silt and sand, gray to brown 20.1 - 26.1 6								
Silt, gray to brown; trace sand; layer of hardpan 35 to 35.5 ft. 26.1 - 37.1 11								
Sand, fine to medium, gray; trace silt; drill boulder (tilt) 37.1 - 45 7.9								
Rock, yellow, decayed, very soft 45 - 50.2 5.2								
Rock, quartz, hard, gray 50.2 - 55.2 5								

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

	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)
Town of Madison--Cont.							
MA 18 th, 411727N0723415.1, Bureau of Highways, Dept. of Transportation, Altitude 34 ft. Drilled 1955. Depth to water 19 ft.			MA 29 th, 411728N0723659.1, Anthony and Erwin Bauer, Altitude 25 ft. Drilled 1972. Depth to water 4 ft. Drilled by U.S. Geo. Survey.			MA 38 th, 411718N0723754.1, Bureau of Highways, Dept. of Transportation, Altitude 9 ft. Drilled 1955. Depth to water 1 ft. Drilled by Warren George Drilling Co.	
Topsoil, brown 0 - 1 1	Loam 0 - 1 1	Clay, silty 1 - 6 5	Clay, silty 0 - 1 1	0 - 14 7	0 - 14 7	Meadow mat 0 - 7 7	
Sand, fine, tan; some silt 1 - 2.5 1.5	Sand, sandy, silty, orange 6 - 10 4	Gravel, sandy, silty, orange 10 - 16 6	Sandy, medium to coarse; some gravel; trace of silt 14 - 17 3			Headow mat and organic silt 7 - 14 7	
Sand, fine to coarse, light brown; trace silt 2.5 - 3.5 1	Gravel, silty, orange 16 - 24 8	Gravel, coarse, and cobbles 24 - 32 8	Sand, fine to medium; some gravel; trace of silt 17 - 45 28			Sandy, medium to coarse; some gravel; trace of silt 17 - 45 28	
Sand, fine to coarse, light brown; trace gravel; trace very compact silt; drilled boulder 5 to 6 ft below 1sd 3.5 - 10 6.5	Till, micaeous, pink 24 - 32 8	Bottom of hole at 32	Refusal at 45			Refusal at 45	
Sand, medium to coarse, light brown; trace gravel; trace silt 10 - 14.3 4.3	MA 30 th, 411717N0723709.1, Bureau of Highways, Dept. of Transportation, Altitude 14 ft. Drilled 1955. Depth to water 0 ft. Drilled by Warren George Drilling Co.						
Sand, fine to medium, light brown; little silt 14.3 - 18.2 3.9	Water and grass; meadow mat 0 - 3 3	Sand, fine to coarse; some gravel 3 - 20.5 17.5	Mud and blue clay 0 - 24 24				
Sand, fine, gray to brown; little silt 18.2 - 24.2 6	Sand, fine; trace of silt 20.5 - 39 18.5	Sand, fine, yellow, with some mica chips and boulders 24 - 26 2	Gravel, fine, and cobbles 24 - 26 2				
Silt, gray to brown; trace fine sand 24.2 - 25.3 1.1	Sand, fine to coarse; some gravel 39 - 46.5 17.5	Rock at 33	Sand, fine, yellow, with some mica chips and boulders 26 - 33 7				
Silt, gray; little fine sand 25.3 - 46.3 21	Bottom of hole at 46.5		Rock at 33				
Silt, gray; trace fine sand 46.3 - 54.5 8.2							
Sand, fine to coarse, gray; some silt; trace clay; trace gravel (till) 54.5 - 62.3 7.8	MA 32 th, 411715N0723629.1, Bureau of Highways, Dept. of Transportation, Altitude 16 ft. Drilled 1955. Depth to water 0 ft. Drilled by Warren George Drilling Co.						
Sand, fine to coarse, gray; some silt; trace clay; trace gravel (till) 62.3 - 67.3 5	Meadow mat 0 - 6 6	Sand, fine, and silt 6 - 23 17	Water 0 - 2 2				
Rock, soft, dark gray 67.3 - 72 4.7	Silt and clay 23 - 27 4	Sand, fine, and silt 27 - 42 15	Stones, loose (fill) 2 - 5 3				
Rock, soft to medium, dark gray 72 - 74 2	Sand, fine, and silt 27 - 42 15	Mica, schist, decayed 42 - 51 9	Mud and blue clay 5 - 10 5				
Rock, hard 74 - 77 3	Bottom of hole at 51		Rock at 10				
Rock 77 - 80.5 3.5							
MA 20 th, 411633N0723249.1, Bureau of Highways, Dept. of Transportation, Altitude 5 ft. Drilled 1959. Depth to water 5 ft.							
Fill, gravel 0 - 3.5 3.5	MA 33 th, 411727N0723503.1, Bureau of Highways, Dept. of Transportation, Altitude 10 ft. Drilled 1955. Depth to water 9 ft. Drilled by Warren George Drilling Co.						
Huck, gray 3.5 - 5.5 2	Meadow mat and vegetation 0 - 3 3	Sand, medium; some silt and fine gravel 3 - 7 4	Topsoil 0 - 1 1				
Root material (peat); little gray ruck 5.5 - 15.5 10	Sand, medium; some silt and fine gravel 3 - 7 4	Sand, fine, gray-brown, and fine gravel; some silt 7 - 23 16	Gravel, and silt 1 - 3 2				
Sand, medium, gray; trace silt; boulder 19.5 to 21.5 ft 15.5 - 24 8.5	Sand, fine; trace of silt 23 - 30 7	Sand, fine, tan, and silt 9 - 12 3	Gravel and sand with less silt 3 - 4 1				
Sand, fine, gray, and gravel; trace silt; trace cobbles 24 - 29.3 5.3	Refusal at 30	Sand, fine, tan, and silt 12 - 18 6	Sand, fine, tan, and silt 4 - 7 3				
Sand, fine to coarse, tan; trace gravel and cobbles 29.3 - 33.9 4.6		Sand, fine, tan, and silt 18 - 22 4	Sand, fine, tan, and silt 7 - 8 1				
Sand, fine to coarse, tan; some gravel and cobbles 33.9 - 36.3 2.4		Silt, tan; little clay 22 - 26 4	Sand, fine to medium, gray, and silt 8 - 9 1				
Rock 36.3 - 43.3 7		Sand, fine to medium, yellow, changing to brown, and silt 26 - 29 3	Sand, fine, tan, and silt 9 - 12 3				
MA 23 th, 411924N0723539.1, Connecticut Water Co. Altitude 20 ft. Drilled 1971. Drilled by R. E. Chapman Co.		Sand, fine, gray; silt; clay; little gravel and cobbles (till) 29 - 42 13	Sand, fine, yellow, and silt 29 - 42 13				
Fill and ruck 0 - 5 5		Rock, soft 42 - 50 8	Sand, fine, yellow, and silt 42 - 50 8				
Sand, silty, and clay 5 - 8 3		Refusal 50 - 59 9	Rock, soft 50 - 59 9				
Hardpan (till) 8 - 11 3							
Refusal at 11							
MA 24 th, 411940N0723554.1, Connecticut Water Co. Altitude 38 ft. Drilled 1971. Drilled by R. E. Chapman Co.							
Huck, sand, and silt 0 - 8 8	MA 34 th, 411731N0723450.1, Bureau of Highways, Dept. of Transportation, Altitude 44 ft. Drilled 1956. Depth to water >22 ft. Drilled by Haller Testing Lab.						
Hardpan, very hard packed 8 - 16 8	Topsoil 0 - 2.5 2.5	Sand, fine to coarse, yellow-brown, and gravel 2.5 - 17.4 14.9	MA 42 th, 411721N0723403.1, Bureau of Highways, Dept. of Transportation, Altitude 31 ft. Drilled 1959. Depth to water 10 ft.				
Clay, red 16 - 18 2	Sand, fine to medium, brown 17.4 - 21.5 4.1	Sand, fine; some silt 21.5 - 31	Topsoil 0 - 2 2				
Hardpan (till) 18 - 21 3	Refusal at 21.5	Sand, fine to coarse, tan; little silt 3 - 4 1	Sand, fine, coarse, tan; little silt 2 - 3 1				
Sand, brown, gravel, and clay (till) 21 - 28 7		Sand, fine, gray, and silt 4 - 5 1	Sand, fine; some silt 3 - 4 1				
Refusal at 28		Sand, fine, yellow, and silt 5 - 7 2	Sand, fine, tan; little fine sand; little clay 4 - 5 1				
MA 25 th, 411940N0723549.1, Connecticut Water Co. Altitude 35 ft. Drilled 1971. Drilled by R. E. Chapman Co.		Silt and fine sand 7 - 10 3	Sand, fine, tan; little fine sand; little clay 5 - 7 2				
Clay, soft, gray 0 - 20 20		Sand, fine to medium, yellow; little silt 10 - 17 7	Sand, fine to medium, yellow; little silt 7 - 10 3				
Sand, medium, brown, gravel, and clay (till) 20 - 28 8		Sand, fine to medium, yellow; little silt 17 - 21 4	Silt, tan; little fine sand; little clay 17 - 21 4				
Hardpan (till) 28 - 33 5		Sand, fine to coarse, tan, and gravel; some silt and clay (till) 21 - 23 2	Sand, fine to coarse, tan, and gravel; some silt and clay 21 - 23 2				
Refusal at 33		Refusal at 23	Sand, fine to coarse, brown; little gravel; trace silt and clay; gravel layer 26 to 30 ft 23 - 25 2				
MA 26 th, 411941N0723551.1, Connecticut Water Co. Altitude 35 ft. Drilled 1973. Drilled by R. E. Chapman Co.			Sand, fine to medium, brown; little gravel; trace silt 25 - 37 12				
Sand, medium, brown 0 - 5 5	MA 36 th, 411735N0723424.1, Bureau of Highways, Dept. of Transportation, Altitude 50 ft. Drilled 1955. Depth to water >31 ft. Drilled by Warren George Drilling Co.		Sand, fine to medium, tan; trace silt 37 - 46 9				
Hardpan and boulders (till) 5 - 15 10	Topsoil 0 - 2 2	Sand, fine to coarse; trace of silt; trace of clay 46 - 60 14	Sand, fine to medium, tan, silt, clay, and cobbles (till) 46 - 60 14				
Refusal at 15	Sand, fine to coarse; trace silt; some gravel 2 - 7 5	Sand, fine to medium; trace of silt 60 - 70 10	Rock, soft 60 - 70 10				
MA 28 th, 411812N0723446.1, Connecticut Water Co. Altitude 10 ft. Drilled 1966. Drilled by R. E. Chapman Co.		Sand, fine to coarse; trace of silt 7 - 12 5					
Topsoil 0 - 2 2	Sand, fine to coarse; trace of silt 12 - 16 4	Sand, fine to coarse; trace of silt 16 - 31 15	Peat, brown 0 - 3 3				
Sand, fine, and yellow clay 2 - 27 25	Sand, fine to medium, brown; little silt 16 - 31 15	Bottom of hole at 31	Gravel, sand, and silt; brown 3 - 4 1				
Sand, fine to medium, yellow; some gravel 27 - 46 19	Sand, fine to medium; little gravel 0.5 - 5 4.5		Sand, medium, light brown, and silt; few pebbles 4 - 7 3				
Sand, compact, light gray, and angular gravel (till) 46 - 62 16	Sand, fine to medium, brown, and gravel 5 - 27.3 22.3		Gravel, radicis, gray, and medium to coarse sand; trace silt and clay 5 - 7 3				
Sand, fine, yellow, and gravel 62 - 74 12	Schist, mica 27.3 - 32.3 5		Sand, fine to medium, gray, and silt 7 - 22 15				
Refusal at 74			Sand, fine to medium, tan, silt, clay, and cobbles (till) 22 - 30 8				
			Sand, fine to medium, tan, and silt 30 - 37 7				
			Sand, fine to medium, gray, and silt 37 - 40 3				
			Gravel, sand, and silt; gray (till) 40 - 43 3				
			Rock 43 - 51 8				

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

Town of Madison--Cont.	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)
MA 44 th. 411701N0723505.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1955. Depth to water 8 ft.			MA 8 th. 413658N0722854.1. Bureau of Highways, Dept. of Transportation. Altitude 413 ft. Drilled 1962.		MA 17 th. 413636N0722601.1. Bureau of Highways, Dept. of Transportation. Altitude 257 ft. Drilled 1961. Depth to water 1 ft. Drilled by W. A. Fisher Co.	
Cinders 0 - 1 1			Peat, fibrous 0 - 0.8 0.8		Topsoil 0 - 1 1	
Loam, sandy, tan 1 - 4 3			Sand, fine to medium, dark gray; some silt 0.8 - 4 3.2		Sand, fine to coarse, brown; trace of fine to medium gravel; trace of silt 1 - 30 35	
Sandy, fine, tan; little medium sand and silt 4 - 6 2			Sand and silt, red-brown, layered with fine to medium gray sand 4 - 10 6		Sand, fine, brown; trace of silt 36 - 41 5	
Sandy, fine, mottled gray and tan, and silt; trace of peat 6 - 7 1			Sand, fine to coarse, gray; little gravel; trace of silt (t11?) 10 - 16.5 6.5		Rock, decomposed 41 - 42.5 1.5	
Sand, medium, brown, and silt 7 - 9 2			No sample 16.5 - 18.5 2		Gneiss, biotite granite, gray, slightly weathered 42.5 - 48 5.5	
Gravel, medium, tan, sandy, and silt 9 - 13 4			Refusal at 18.5		Gneiss, biotite granite, hard, gray 48 - 51 3	
Gravel, coarse, sand, and silt 13 - 20 7						
Sandy, fine, gray, and silt 13 - 26 16						
Sandy, medium, tan, and silt 36 - 47 11						
Sand, fine, gray, and silt 47 - 53 6						
Gravel, gray, sand, and silt (t11?) 53 - 67 14						
Rock 67 - 71 4						
MA 45 th. 411548N0723347.1. Parks and Recreation, Unit of D.E.P. Altitude 6 ft. Drilled 1957. Depth to water 2 ft. Drilled by Bureau of Highways, Dept. of Transportation.			MA 9 th. 413903N07229506.1. Bureau of Highways, Dept. of Transportation. Altitude 423 ft. Drilled 1962. Depth to water 8 ft.		MA 18 th. 413636N0722559.1. Bureau of Highways, Dept. of Transportation. Altitude 252 ft. Drilled 1961. Depth to water 0 ft. Drilled by W. A. Fisher Co.	
Topsoil, dark 0 - 1 1			Topsoil (t11) 0 - 0.8 0.8		Silt, organic, dark brown 0 - 5 5	
Sand, fine, and silt 1 - 2 1			Sand, fine to coarse, gray; trace of fine gravel 0.8 - 2.5 1.7		Sand, fine to coarse, gray; trace of organic silt 5 - 11 6	
Sand, medium to coarse, gray 2 - 7 5			Gravel, fine to medium, red to brown, and sand; trace silt 2.5 - 4.1 1.6		Sand, fine to coarse, gray; some organic silt; little fibrous organic matter; trace of fine gravel 11 - 16 5	
Sand, fine, gray; some silt 7 - 14 5			Sand, coarse, red to brown; some fine to medium gravel; trace silt 4.1 - 7 2.9		Sand, fine to medium, gray, and silt 16 - 21 5	
Sand, medium, tan; trace silt 14 - 18 4			Sand and fine to medium, red to gray gravel; trace cobbles; trace silt 7 - 12.2 5.2		Sand, fine to coarse, light brown; little silt 21 - 26 5	
Sand, fine, tan and gray; some silt 18 - 40 22			Sand, fine to coarse, gray; trace fine gravel; trace silt 12.2 - 16.1 3.9		Sand, fine to coarse, light brown; some decomposed mica schist fragments 26 - 28 2	
Sand, fine, gray, and silt 40 - 50 10			Sand and coarse, gray gravel; trace cobbles; trace silt (t11?) 16.1 - 18.2 2.1		Schist, biotite quartz; few small decomposed sears (sound rock) 28 - 33 5	
Silt, gray; some very fine sand 50 - 55 5			Sand, fine to coarse, gray gravel; trace cobbles; trace silt (t11?) 18.2 - 21 2.8			
MA 44 th. 411723N0723355.1. Bureau of Highways, Dept. of Transportation. Altitude 7 ft. Drilled 1955. Depth to water 2 ft.			Rock, granite, hard, gray 21 - 23.6 2.6			
Sand, fine to coarse, brown; trace silt, mica, and fine to medium gravel 0 - 31 31			Rock, granite, hard, gray 23.6 - 33.5 9.9			
Sand, fine to coarse, brown, and fine gravel 31 - 33.2 2.2						
Sand, fine to coarse; trace silt and mica; decayed rock 33.2 - 41 7.8						
Refusal at 41						
Town of Marlborough			MA 11 th. 413843N0722853.1. Town of Marlborough. Altitude 420 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.		MA 19 th. 413628N0722551.1. Bureau of Highways, Dept. of Transportation. Altitude 250 ft. Drilled 1961. Depth to water 12 ft. Drilled by W. A. Fisher Co.	
MA 1 th. 413859N0722910.1. Bureau of Highways, Dept. of Transportation. Altitude 418 ft. Drilled 1962. Depth to water 3 ft.			Sand, very fine to medium; some coarse sand; trace silt 0 - 5 5		Sand, fine to medium, gray-brown; some silt; little coarse sand; little fine gravel (t11?) 0 - 5 5	
Sand, fine, brown; little silt; trace fine to medium gravel 0 - 10 10			Gravel 5 - 6 1		Sand, fine to medium, gray; some silt; trace of fine gravel; trace coarse sand (t11?) 5 - 10 5	
Sand, fine to coarse, and fine to medium gravel; red to brown; trace silt 10 - 12.5 2.5			Sand and gravel, interbedded 6 - 25 19		Sand, fine to coarse, gray; some gravel; little silt (t11?) 10 - 21 11	
Gneiss, granite, hard, gray 12.5 - 20.5 8			Sand, very fine to very coarse; some silt; some very fine gravel; occasional pebbles 25 - 31 6		Sand, fine to medium, gray; little coarse sand; little silt (t11?) 21 - 26 5	
MA 3 th. 413859N0722909.1. Bureau of Highways, Dept. of Transportation. Altitude 417 ft. Drilled 1962. Depth to water 4 ft.			Sand, very fine to very coarse, interbedded with very fine to fine gravels 31 - 40 9		Sand, fine to medium, gray; some coarse sand; little silt; few decomposed rock fragments (t11?) 26 - 37 1	
Sand, sandy, brown; 0 - 2.6 2.6			Weathered rock (blue), micaceous 40 - 50 10		Sand, fine to medium, gray; some silt; little coarse sand; trace of medium gravel 37 - 40 3	
Gravel, fine to medium, and fine to coarse, red to brown sand; trace silt 2.6 - 10 7.5			Refusal (rock) at 53		Bottom of hole at 40	
Gravel, fine to medium, and fine to coarse, red to brown sand; some silt 10 - 20 10						
Gravel, fine to medium, and fine to coarse, red to brown sand; some silt; few cobbles (t11?) 20 - 25.6 5.6						
Gneiss, quartz biotite 25.6 - 31 5.4						
MA 5 th. 413608N0722513.1. Bureau of Highways, Dept. of Transportation. Altitude 172 ft. Drilled 1956. Depth to water 1 ft.			MA 14 th. 413839N0722611.1. Bureau of Highways, Dept. of Transportation. Altitude 278 ft. Drilled 1959. Depth to water 5 ft.		MA 20 th. 413803N0722731.1. Bureau of Highways, Dept. of Transportation. Altitude 448 ft. Drilled 1961. Depth to water 11 ft. Drilled by W. A. Fisher Co.	
Loam 0 - 1 1			Sand, medium, brown; some silt 0 - 10 10		Topsoil, sandy, brown; few roots 0 - 2.5 2.5	
Sand, fine; some cobbles 1 - 8 7			Sand, medium, and gravel; cobbles 10 - 18 8		Sand, fine to coarse, brown; little fine to medium gravel; trace of silt (t11?) 2.5 - 15 12.5	
Sand, fine to medium; little gravel 8 - 14 6			Sand, medium, and gravel; 10 - 18 8		Sand, fine, gray-brown; little silt (t11?) 15 - 19.5 4.5	
Sand, fine to coarse; some gravel 14 - 24 10			Sand, medium, and gravel; 12.5 - 14 1.5		Cobbles and sand (blasted) (t11?) 19.5 - 22 2.5	
Sand, fine, and fine to coarse gravel 24 - 34 10			Sand, medium, and gravel; 14 - 23 9		Sand, fine, brown; little silt (t11?) 22 - 28 6	
Sand, fine, and fine to coarse gravel 34 - 43 9			Refusal at 21.3		Sand, fine to coarse, gray; little silt (t11?) 28 - 46.5 18.5	
Gneiss, granite 43 - 48 5					Bottom of hole at 46.5	
MA 6 th. 413607N0722513.1. Bureau of Highways, Dept. of Transportation. Altitude 174 ft. Drilled 1956. Depth to water 6 ft.			MA 16 th. 413728N0722626.1. Bureau of Highways, Dept. of Transportation. Altitude 275 ft. Drilled 1961. Depth to water 0 ft. Drilled by W. A. Fisher Co.		MA 21 th. 413759N0722727.1. Bureau of Highways, Dept. of Transportation. Altitude 442 ft. Drilled 1961. Depth to water 34 ft. Drilled by W. A. Fisher Co.	
Loam 0 - 1.8 1.8			Peat, fibrous, black; little fine sand 0 - 5 5		Topsoil, sandy, brown; few roots 0 - 3 3	
Sand and coarse to fine gravel 1.8 - 8 6.2			Sand, fine to coarse, gray; little peat 5 - 11 6		Sand, fine to coarse, brown; little silt; trace of fine to medium gravel; few cobbles (t11?) 3 - 51 48	
Sand, fine 8 - 40 32			Sand, fine to coarse, gray; 11 - 16 5		Bottom of hole at 51	
Sand, fine; little silt 40 - 46 6			Silt, inorganic, gray; little fine sand 16 - 21.3 5.3			
Slit, sand, and gravel; cemented (t11?) 46 - 48 2			Refusal at 21.3			
Gneiss, granitic 48 - 54 6						
MA 7 th. 413606N0722513.1. Bureau of Highways, Dept. of Transportation. Altitude 175 ft. Drilled 1956. Depth to water 6 ft.			MA 17 th. 413728N0722626.1. Bureau of Highways, Dept. of Transportation. Altitude 275 ft. Drilled 1961. Depth to water 0 ft. Drilled by W. A. Fisher Co.		MA 22 th. 413859N0722905.1. Bureau of Highways, Dept. of Transportation. Altitude 414 ft. Drilled 1961. Depth to water +1 ft. Drilled by W. A. Fisher Co.	
Loam 0 - 1.5 1.5			Peat, fibrous, black 0 - 5 5		Peat, silty, fibrous, dark brown 0 - 3.5 3.5	
Sand, fine to medium; some gravel and silt 1.5 - 10.5 9			Peat, fibrous, dark brown 5 - 10 5		Silt, organic, gray 3.5 - 7.5 4	
Sand, fine, and silt 10.5 - 15 4.5			Silt, organic, dark brown; little fine to medium sand 10 - 15 5		Sand, fine to coarse; little fine to medium gravel; trace of silt (t11?) 7.5 - 21 13.5	
Sand, medium to coarse; little gravel and silt 15 - 30 15			Sand, medium to coarse, gray 15 - 17 2		Sand, fine, brown; little silt 21 - 21.5 .5	
Sand, medium; occasional cobbles (t11?) 30 - 42 12			Silt, soft, gray (inorganic) 17 - 25 8			
Gneiss, granite 42 - 49 7			Sand, fine to coarse, light brown; some fine to medium gravel 25 - 29 4			

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

	Thickness (feet)	Thickness (feet)		Thickness (feet)	Thickness (feet)		Thickness (feet)
Town of Marlborough--Cont.							
HB 23 th, 413858N0722900.1, Bureau of Highways, Dept. of Transportation, Altitude 413 ft. Drilled 1961. Depth to water 1 ft. Drilled by W. A. Fisher Co.			HB 28 th, 413717N0722626.1--Cont.			HT 5 th, 413h22N0723909.1, Bureau of Highways, Dept. of Transportation, Altitude 14 ft. Drilled 1957.	
Peat, fibrous, dark brown 0 - 6 6			Sand, fine, brown; little silt; little fine gravel (decomposed mica schist); probable top of root at 55.5 ft... 54 - 55.9 1.9			Sand, brown, gravel, and cobbles (fill) 0 - 6 6	
Peat, dark brown, changing to yellow-brown 6 - 10.5 4.5			Refusal at 55.9			Sand, brown, and silt 6 - 10 4	
Silt; organic, dark gray-brown 10.5 - 15.5 5			Town of Middlefield				
Silt; Inorganic, very soft, dark gray 15.5- 17.5 2			KF 1 th, 413036N0724238.1, City of Middletown, Altitude 147 ft. Drilled 1964. Depth to water 3 ft. Drilled by R. E. Chapman Co.			Silt; tan 10 - 16 6	
Silt; Inorganic, dark gray; little fine to medium sand, changing to fine to coarse, tan sand at 18 ft; some silt; little fine to medium gravel 17.5 - 23 5.5			Clay, loamy 0 - 1 1			Silt; gray 16 - 25 9	
Sand, fine to coarse, tan; trace of fine gravel 23 - 27 4			Clay and sharp gravel (fill) 5 - 12 7			Silt; gray; some wood chips 25 - 33 8	
Sand, fine to coarse, light brown, and silt; trace of medium gravel; layer of fine sand and silt 28 to 29 ft 27 - 30 3			Clay, firm, red 12 - 21 9			Silt; gray and fine sand; woodchips 33 - 39 6	
Sand, fine to coarse, light brown; trace of silt 30 - 31.5 1.5			Silt and clay 21 - 28 8			Sand, fine to medium, brown, compact, and fine gravel; some silt; trace clay (fill) 39 - 74 35	
Town of Middlefield			Sand, fine 29 - 86 57			Clay, brown; fine gravel and fine sand; little silt (hardpan) (fill) 74 - 114.5 40.5	
MF 1 th, 413036N0724238.1, City of Middletown, Altitude 147 ft. Drilled 1964. Depth to water 3 ft. Drilled by R. E. Chapman Co.			Silt and sharp gravel (fill) 86 - 107 21			Rock, soft, brown 114.5 - 125 10.5	
MF 2 th, 413036N0724241.1, City of Middletown, Altitude 148 ft. Drilled 1964. Depth to water 1 ft. Drilled by R. E. Chapman Co.			Refusal at 109				
Peat and clay 0 - 1 1			HT 6 th, 413610N0724206.1, Bureau of Highways, Dept. of Transportation, Altitude 10 ft. Drilled 1963. Depth to water 0 ft.				
Sand, fine, and gravel 1 - 9 8			Sand, medium to coarse; some gravel; little silt 0 - 1.5 1.5			Sand, medium to coarse, brown sand; medium to coarse, brown sand, and silt; some gravel (fill) 1.5 - 6.5 5	
Clay, firm, red 9 - 26 17			Sand, medium to coarse, brown, and silt; some gravel (fill) 6.5 - 11.5 5			Sand and fine gravel 11.5 - 16.5 5	
Sand, fine, and clay 26 - 59 33			Sand, fine to medium; brown silt; some gravel; rock fragments (fill) 16.5 - 25 8.5			Sand, fine to medium, red-brown, some silt; little gravel (fill) 25 - 29 4	
Sand, fine; sharp gravel and clay (fill) 59 - 77 18			Sand, fine to medium, brown; some silt; fragments of rock (fill) 29 - 40 11			Boulders, 40 - 44 4	
Clay, firm, red, and sharp gravel 77 - 81 4			Sand, fine to medium, brown, some silt; fragments of rock (fill) 44 - 50 6			Rock, sandstone, solid 44 - 50 6	
Clay, firm, red 81 - 98 17			HT 7 th, 413610N0724249.1, Bureau of Highways, Dept. of Transportation, Altitude 9 ft. Drilled 1963.				
Silt and clay 98 - 103 5			Topsoil, silty, brown, and fine sand 0 - 3 3			Sand, fine to medium, dark brown; some silt; some gravel; little decomposed rock (fill) 3 - 10 7	
Silt; fine sand, and sharp gravel (fill) 103 - 108 5			Sand, fine to medium; brown; some silt; little gravel; cemented; boulders (fill) 10 - 20 10			Sand, fine to medium, brown; some silt; little gravel; cemented (fill) 20 - 25 5	
Gravel, sharp, and hard clay (fill) 108 - 111 3			Boulders and cobbles (fill) 25 - 28 3			Sand, fine to medium, brown; some silt; little gravel 28 - 35 7	
Refusal at 111			Sand, fine to medium, brown; some silt; some gravel; cemented (fill) 35 - 40 5			Sand, fine to medium, brown, and some cemented gravel (fill) 40 - 45 5	
HT 3 th, 413056N0724244.1, Midstate Planning Agency, Altitude 180 ft. Drilled 1964. Depth to water 21 ft. Drilled by Water Exploration and Development Corp.			Sand, fine to medium, brown; some silt; some cemented gravel (fill) 45 - 52 7			Sandstone, hard, red 52 - 54 2	
Sand, coarse, brown, and fine gravel 0 - 11 11			Sandstone, hard, red 54 - 55 1			Shale, medium, hard, red 54 - 55 1	
Sand, silt, and small gravel 11 - 25 14			HT 16 th, 413319N0723839.1, Bureau of Highways, Dept. of Transportation, Altitude 18 ft. Drilled 1947.				
Sandstone 25 - 27 2			Road bed 0 - 1.1 1.1			Sandstone, hard, red 1.1 - 7 5.9	
Town of Middletown			Sand, silty; small cobbles 7 - 14 7			Silt, and red clay; medium to coarse sand 14 - 21 7	
MF 1 th, 413404N0723915.1, Bureau of Highways, Dept. of Transportation, Altitude 32 ft. Drilled 1935.			Cinders and rubbish (fill) 7 - 14 7			Silt, dark gray; woodchips 21 - 26 3	
Gravel and sand, red; some red clay 0 - 29 29			Silt; clay, and silt; grayish-brown 24 - 30 6			Clay, gray; little silt 30 - 33 3	
Gravel, sand, and red clay 29 - 38 9			Gravel, sand, silt, and clay (fill) 33 - 37.1 4.1			Gravel, sand, silt, and clay (fill) 33 - 37.1 4.1	
Gravel, boulders, and red clay 38 - 46 8			Brownstone, soft 37.1 - 40 2.9			Brownstone, medium 40 - 43 3	
Gravel 46 - 60 14			Clay, red 45 - 52 7			Clay, red 45 - 52 7	
Sand and gravel, very hard 60 - 64 4			Sand, fine to medium, brown, and some cemented gravel (fill) 52 - 54 2			Sand, fine to medium, brown, and some cemented gravel (fill) 52 - 54 2	
Clay, red; very little sand 64 - 68 2			Brownstone 54 - 55 1			Shale, medium, hard, red 54 - 55 1	
Brownstone 68 - 87 5			HT 17 th, 413043N0723556.1, Bureau of Highways, Dept. of Transportation, Altitude 414 ft. Drilled 1957.				
HT 2 th, 413405N0723913.1, Bureau of Highways, Dept. of Transportation, Altitude 24 ft. Drilled 1935.			Road bed 0 - 1.1 1.1			Sand, red clay; medium to coarse sand 14 - 21 7	
Sand and gravel, red 0 - 6 6			Sand, and red clay; small cobbles 1.1 - 7 5.9			Silt, dark gray; woodchips 21 - 26 3	
Sand and red clay 6 - 17 11			Cinders and rubbish (fill) 7 - 14 7			Clay, and silt, grayish-brown 24 - 30 6	
Sand and gravel, red 17 - 28 11			Silt and red clay; medium to coarse sand 30 - 33 3			Clay, gray; little silt 30 - 33 3	
Sand, fine to coarse, gray-brown, and silt; some fine to medium gravel; trace of mica schist (glacial till) 20 - 21.5 1.5			Gravel, sand, silt, and clay (fill) 33 - 37.1 4.1			Gravel, sand, silt, and clay (fill) 33 - 37.1 4.1	
Refusal at 21.5			Brownstone, soft 37.1 - 40 2.9			Brownstone, medium 40 - 43 3	
HB 26 th, 413721N0722629.1, Bureau of Highways, Dept. of Transportation, Altitude 274 ft. Drilled 1960. Depth to water 0 ft. Drilled by W. A. Fisher Co.			Clay, red 45 - 52 7			Clay, red 45 - 52 7	
Peat, fibrous, black 0 - 15 15			Sand, fine to medium, brown 52 - 54 2			Sandstone, hard, red 52 - 54 2	
Peat, soft, decomposed, dark brown; few fibers 15 - 20 5			Brownstone 54 - 55 1			Shale, medium, hard, red 54 - 55 1	
Peat, very soft, decomposed, brown. Sand, fine, gray; trace of silt. Sand, fine to medium, gray-brown; trace of fine gravel 20 - 32.3 12.3			HT 3 th, 413408N0723906.1, Bureau of Highways, Dept. of Transportation, Altitude 23 ft. Drilled 1935.				
Sand, 32.3- 35 2.7			Sand and red clay 0 - 17.5 17.5			Sand, and red clay; medium to coarse sand 14 - 21 7	
Sand, fine to coarse, gray-brown; and silt; some fine to medium gravel; trace of mica schist (glacial till) 35 - 36 1			Sand and red clay 17.5 - 57 39.5			Silt, dark gray; woodchips 21 - 26 3	
Refusal at 36.8 9.8			Sand and gravel, red 17.5 - 57 39.5			Clay, and silt, grayish-brown 24 - 30 6	
HB 27 th, 413722N0722620.1, Bureau of Highways, Dept. of Transportation, Altitude 284 ft. Drilled 1961. Depth to water 21 ft. Drilled by W. A. Fisher Co.			Sand, fine and gravel, red 17.5 - 57 39.5			Clay, gray; little silt 30 - 33 3	
Sand and fine to coarse, light brown gravel; trace of silt 0 - 15 15			Sand and red clay 57 - 68 11			Gravel, sand, silt, and clay (fill) 33 - 37.1 4.1	
Sand, fine to coarse, tan 15 - 21 6			Sand, fine, red 68 - 99 31			Brownstone, soft 37.1 - 40 2.9	
Sand, fine, tan 21 - 25 4			Sand and gravel, red 107 - 115 8			Brownstone, medium 40 - 43 3	
Sand, fine, gray-brown; little silt 25 - 43 18			Brownstone 115 - 121.5 6.5			Clay, red 45 - 52 7	
Sand, fine to medium, gray-brown and red-brown; little silt 43 - 53 10			HT 4 th, 413410N0723856.1, Bureau of Highways, Dept. of Transportation, Altitude 0 ft. Drilled 1935. Depth to water 0 ft.				
Sand, fine to coarse, gray; some fine gravel; little silt; little medium to coarse gravel (fill) 53 - 64 11			Water 0 - 18 18			Sand, red clay; medium to coarse sand 14 - 21 7	
Refusal at 64			Sand, coarse 18 - 63 45			Sand, and red clay; small cobbles 1.1 - 7 5.9	
HB 28 th, 413717N0722626.1, Bureau of Highways, Dept. of Transportation, Altitude 274 ft. Drilled 1960. Depth to water 0 ft. Drilled by W. A. Fisher Co.			Gravel and red clay (fill) 63 - 65 2			Cinders and rubbish (fill) 7 - 14 7	
Peat, soft, fibrous, black 0 - 20 20			Clay, red 65 - 96 31			Silt and red clay; medium to coarse sand 14 - 21 7	
Peat, decomposed, very soft, yellow-brown 20 - 34 14			Sand, fine; some clay 96 - 97 1			Silt, dark gray; woodchips 21 - 26 3	
Sand, fine to coarse, gray, and silt; trace of fine gravel 34 - 37 3			Gravel; some clay (fill) 97 - 101 4			Clay, and silt, grayish-brown 24 - 30 6	
Sand, fine to coarse, light brown; some fine to medium gravel; trace of gray clay 37 - 39.5 2.5			Brownstone 101 - 106 5			Clay, gray; little silt 30 - 33 3	
Sand, fine to medium, light brown; some fine to medium gravel 39.5 - 50 10.5			HT 16 th, 413319N0723839.1, Bureau of Highways, Dept. of Transportation, Altitude 18 ft. Drilled 1947.				
Sand, fine to coarse, light brown; trace of fine gravel 50 - 54 4			Road bed 0 - 1.1 1.1			Sand, and red clay; medium to coarse sand 14 - 21 7	

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of Middletown--Cont.					
MT 19 th, 413044N0723556.1, Bureau of Highways, Dept. of Transportation. Altitude 402 ft. Drilled 1957. Depth to water 28 ft.		MT 27 th, 41341BN0723912.1, City of Middletown, Altitude 20 ft. Drilled 1964. Depth to water 8 ft. Drilled by R. E. Chapman Co.		MT 36 th, 413331N0723730.1, City of Middletown, Altitude 10 ft. Drilled 1964. Depth to water 9 ft. Drilled by R. E. Chapman Co.	
Topsoil, medium brown, and sands; some gravel 0 - 2 2		Sand, fine, and gravel 0 - 16 16		Sand 0 - 4 4	
Cobbles and boulders 2 - 5 3		Sand, fine, gravel, and boulders 16 - 25 9		Sand, gravel, and clay 4 - 7 3	
Sand, fine to medium, brown, and silt 5 - 8.4 3.4		Sand and clay, hard-packed 25 - 39 14		Clay, gray, and silt 7 - 29 22	
Sand, very dense, brown, and silt; little gravel (t111?) 8.4 - 20.4 12		(t111?) 39 - 42 3		Sand, brown, and fine gravel 29 - 40 11	
Sand and gravel, very dense, brown; little silt (t111?) 20.4 - 23.8 3.4		Hardpan and boulders (t111?) 42 - 57 15		Sand, medium, gravel, and clay 40 - 52 12	
Rock, mica schist, soft, gray 23.8 - 26.7 2.9		Refusal at 57		Sand, gravel, and clay, hard-packed, red at bottom (t111?) 52 - 54.5 2.5	
Rock, granite, soft, gray 26.7 - 31.4 4.7				Refusal at 54.5	
Rock, feldspar and mica porphyry, soft white 31.4 - 38.7 7.3					
MT 20 th, 413355N0724105.1, City of Middletown. Altitude 88 ft. Drilled 1964. Depth to water 0 ft. Drilled by R. E. Chapman Co.		MT 28 th, 413355N0724119.1, City of Middletown. Altitude 108 ft. Drilled 1964. Drilled by R. E. Chapman Co.		MT 38 th (formerly MT 327), 413332N0723732.1, City of Middletown. Altitude 5 ft. Drilled 1964. Depth to water 1 ft. Drilled by R. E. Chapman Co.	
Sand, gravel, and clay (t111?) 0 - 6 6		Sand, clay, and sharp gravel 0 - 4 4		Sand, medium, brown, and gravel 0 - 5 5	
Silt, sharp gravel, and clay (t111?) 6 - 26 20		Clay, soft, red 4 - 9 5		Sand, silty, gray, with streaks of gray clay 5 - 34 29	
Clay, firm, red 26 - 30 4		Sand, fine, and sharp gravel (t111?) 9 - 22 13		Sand, fine gray; small gravel and clay 34 - 38 4	
Gravel, medium, sharp (t111?) 30 - 37 7		Sand, hard-packed, and sharp gravel (t111?) 22 - 34 12		Sand, medium, brown, and gravel 38 - 42 4	
Sand and gravel, hard packed (t111?) 37 - 40 3		Hardpan (t111?) 34 - 36 2		Sand, fine, gray, and streaks of fine brown sand 42 - 47 5	
Refusal at 40		Refusal at 36		Sand, fine, brown, and small sharp gravel 47 - 60 13	
MT 21 th, 413344N0724112.1, City of Middletown. Altitude 99 ft. Drilled 1964. Depth to water 2 ft. Drilled by R. E. Chapman Co.				Hardpan (t111?) 60 - 62 2	
Sand, sharp gravel, and clay (t111?) 0 - 5 5				Refusal at 62	
Sand, fine, and clay 5 - 14 9					
Sand, gravel, and gray clay (t111?) 14 - 21 7					
Clay, firm, red 21 - 35 14					
Sand, hard-packed, gravel, and clay (t111?) 35 - 41 6					
Sand, fine to medium; sharp gravel (t111?) 41 - 52 11					
Refusal at 52					
MT 22 th, 413342N0724113.1, City of Middletown. Altitude 98 ft. Drilled 1964. Depth to water flowing. Drilled by R. E. Chapman Co.		MT 29 th, 413124N0723750.1, City of Middletown. Altitude 93 ft. Drilled 1964. Drilled by R. E. Chapman Co.		MT 39 th (formerly MT 328), 413330N0723732.1, City of Middletown. Altitude 11 ft. Drilled 1964. Depth to water 8 ft. Drilled by R. E. Chapman Co.	
Sand, clay, and gravel (t111?) 0 - 4 4		Clay, soft 0 - 10 10		Filt 0 - 6 6	
Sand, fine, and clay 4 - 17 13		Clay, hard 10 - 40 30		Clay, sandy, gray; streaks of silt 6 - 21 15	
Clay, gray 17 - 20 3		Sand, fine 40 - 45 5		Clay, sandy, hard, red, and small gravel 21 - 36 15	
Clay, firm, red, and gravel 20 - 33 13		Clay, hard 45 - 55 10		Sand, fine, red, and clay 36 - 41 5	
Sand, gravel, and clay; hard-packed (t111?) 33 - 40 7		Hardpan (t111?) 55 - 60 5		Sand, fine, red, and small gravel 41 - 56 15	
Sand, fine to medium, and gravel 40 - 44 4		Sand, silty 60 - 65 5		Refusal at 56	
Sand, gravel, and clay; hard-packed (t111?) 44 - 46 2		Sand, fine, and cobbles (t111?) 65 - 70 5			
MT 23 th, 413341N0724111.1, City of Middletown. Altitude 98 ft. Drilled 1964. Depth to water 4 ft. Drilled by R. E. Chapman Co.		Sand and gravel, dirty (t111?) 70 - 82 12			
Sand, gravel, and clay (t111?) 0 - 6 6		Refusal at 82			
Clay, firm, red, and gravel 6 - 17 11					
Clay, sandy, and sharp gravel (t111?) 17 - 38 21					
Sand, fine to cedars, gravel, boulders, and clay (t111?) 38 - 48 10					
Sand, sharp gravel, and clay (t111?) 48 - 50 2					
Refusal at 50					
MT 24 th, 413128N0723751.1, City of Middletown. Altitude 90 ft. Drilled 1964. Depth to water 4 ft. Drilled by R. E. Chapman Co.		MT 31 th, 413414N0723912.1, City of Middletown. Altitude 20 ft. Drilled 1964. Drilled by R. E. Chapman Co.		MT 40 th, 413139N0723754.1, City of Middletown. Altitude 87 ft. Drilled 1964. Depth to water +1 ft. Drilled by R. E. Chapman Co.	
Loam 0 - 1 1		Silt and clay 0 - 1 1		Loam 0 - 1 1	
Sand, fine, gravel, and clay (t111?) 1 - 22 21		Clay, red, and sand 1 - 7 6		Sand and gravel with clay (t111?) 1 - 7 6	
Sand, medium, and sharp gravel (t111?) 22 - 34 12		Clay, firm, red, and sharp gravel (t111?) 7 - 23 16		Sand and clay 7 - 16 9	
Sand, gravel, and clay (t111?) 34 - 40 6		Sand and sharp gravel (t111?) 38 - 43 5		Clay, firm, red 16 - 30 14	
Sand and gravel 40 - 61 21		Sand and sharp gravel, hard-packed (t111?) 43 - 53 15		Sand, firm, and sharp gravel (t111?) 30 - 46 16	
Refusal at 61		Refusal at 58		Sand, fine to medium 46 - 59 13	
MT 25 th, 413130N0723757.1, City of Middletown. Altitude 88 ft. Drilled 1964. Depth to water 43 ft. Drilled by R. E. Chapman Co.				Silt, clay, and gravel (t111?) 59 - 69 10	
Loam 0 - 0.5 0.5				Bottom of hole at 69	
Sand and clay 0.5 - 4 3.5					
Clay, red 4 - 24 20					
Sand, fine, and gravel 24 - 28 4					
Sand, fine, and sharp gravel with clay (t111?) 28 - 35 7					
Refusal at 35					
MT 26 th, 413120N0723754.1, City of Middletown. Altitude 92 ft. Drilled 1964. Depth to water 43 ft. Drilled by R. E. Chapman Co.		MT 32 th, 413410N0723914.1, City of Middletown. Altitude 28 ft. Drilled 1964. Drilled by R. E. Chapman Co.		MT 41 th, 413108N0723742.1, City of Middletown. Altitude 109 ft. Drilled by R. E. Chapman Co.	
Loam 0 - 1 1		Clay 0 - 10 10		Loam, clay 0 - 2 2	
Sand, fine, gravel, and clay (t111?) 1 - 6 5		Hardpan (t111?) 10 - 30 20		Sand, fine, and gravel 2 - 17 15	
Sand, fine, and clay (t111?) 6 - 27 21		Sand, fine, compact; hardpan (t111?) 30 - 40 10		Silt and firm clay 17 - 29 12	
Clay, red 27 - 40 13		Hardpan (t111?) 40 - 55 15		Clay, firm, red 29 - 40 11	
Silt, clay, and sharp gravel (t111?) 40 - 48 8		Sand and gravel, dirty 55 - 65 10		Sand, fine, sharp gravel, and clay (t111?) 40 - 50 10	
Clay, red 48 - 54 6		Sand, medium to coarse gravel, dirty 65 - 85 20		Refusal at 50	
Sand, medium, and sharp gravel (t111?) 54 - 64 10		Sand, medium, clean, and cobbles 85 - 90 5			
Refusal at 70		Sand and gravel; hardpan (t111?) 90 - 105 15			
MT 27 th, 413108N0723757.1, City of Middletown. Altitude 88 ft. Drilled 1964. Depth to water 43 ft. Drilled by R. E. Chapman Co.		Hardpan (t111?) 105 - 110 5			
Loam 0 - 0.5 0.5		Refusal at 110			
Sand and clay 0.5 - 4 3.5					
Clay, red 4 - 24 20					
Sand, fine, and gravel 24 - 28 4					
Sand, fine, and sharp gravel with clay (t111?) 28 - 35 7					
Refusal at 35					
MT 28 th, 413120N0723754.1, City of Middletown. Altitude 92 ft. Drilled 1964. Depth to water 43 ft. Drilled by R. E. Chapman Co.		MT 33 th, 413403N0723803.1, City of Middletown. Altitude 127 ft. Drilled 1964. Drilled by R. E. Chapman Co.		MT 42 th, 413108N0723801.1, City of Middletown. Altitude 101 ft. Drilled 1964. Depth to water 1 ft. Drilled by R. E. Chapman Co.	
Loam 0 - 1 1		Loam 0 - 1 1		Loam 0 - 1 1	
Sand, fine, gravel, and clay (t111?) 1 - 22 21		Sand, gravel, clay, and boulders (t111?) 1 - 6 5		Sand, gravel, and clay 1 - 5 4	
Sand, medium, and sharp gravel (t111?) 22 - 34 12		Clay, hard, and gravel (t111?) 6 - 25 19		Sand, fine, and clay 5 - 21 16	
Sand, gravel, and clay (t111?) 34 - 40 6		Sandy, gravel, and clay (t111?) 25 - 37 12		Clay, red 21 - 38 17	
Sand and gravel 40 - 61 21		Silt and sharp gravel (t111?) 37 - 43 6		Sand, fine, and sharp gravel 38 - 44 6	
Refusal at 61		Refusal at 43		Sand, fine, and gravel 44 - 59 15	
MT 29 th, 413128N0723751.1, City of Middletown. Altitude 90 ft. Drilled 1964. Depth to water 44 ft. Drilled by R. E. Chapman Co.				Sand and gravel, hard packed (t111?) 59 - 63 4	
Loam 0 - 1 1				Sand and gravel 63 - 64 1	
Sand, fine, gravel, and clay (t111?) 1 - 22 21				Refusal at 64	
Sand, medium, and sharp gravel (t111?) 22 - 34 12					
Sand, gravel, and clay (t111?) 34 - 40 6					
Sand and gravel 40 - 61 21					
Refusal at 61					
MT 30 th, 413111N0723759.1, City of Middletown. Altitude 92 ft. Drilled 1964. Depth to water 44 ft. Drilled by R. E. Chapman Co.					
Loam 0 - 1 1					
Sand, fine, gravel, and clay (t111?) 1 - 22 21					
Sand, medium, and sharp gravel (t111?) 22 - 34 12					
Sand, gravel, and clay (t111?) 34 - 40 6					
Sand and gravel 40 - 61 21					
Refusal at 61					
MT 31 th, 413414N0723912.1, City of Middletown. Altitude 20 ft. Drilled 1964. Drilled by R. E. Chapman Co.					
Loam 0 - 1 1					
Sand, fine, gravel, and clay (t111?) 1 - 22 21					
Sand, medium, and sharp gravel (t111?) 22 - 34 12					
Sand, gravel, and clay (t111?) 34 - 40 6					
Sand and gravel 40 - 61 21					
Refusal at 61					
MT 32 th, 413410N0723914.1, City of Middletown. Altitude 28 ft. Drilled 1964. Drilled by R. E. Chapman Co.					
Clay 0 - 10 10					
Hardpan (t111?) 10 - 30 20					
Clay, soft 30 - 40 10					
Hardpan (t111?) 40 - 113 73					
Ledge 113 - 118 5					
MT 33 th, 413403N0723803.1, City of Middletown. Altitude 127 ft. Drilled 1964. Drilled by R. E. Chapman Co.					
Loam 0 - 1 1					
Sand, gravel, clay, and boulders (t111?) 1 - 6 5					
Clay, hard, and gravel (t111?) 6 - 25 19					
Sandy, gravel, and clay (t111?) 25 - 37 12					
Silt and sharp gravel (t111?) 37 - 43 6					
Refusal at 43					
MT 34 th, 413058N0723800.1, City of Middletown. Altitude 130 ft. Drilled 1964. Depth to water 28 ft. Drilled by R. E. Chapman Co.					
Loam 0 - 1 1					
Sand, gravel, hard packed (t111?) 1 - 5 4					
Sand, clay, and sharp gravel (t111?) 5 - 21 16					
Sand, fine, and clay 21 - 51 30					
Sand and sharp gravel 51 - 54 3					
Silt and clay 54 - 65 11					
Sand, fine, and sharp gravel 65 - 72 7					
Sand, fine to medium 72 - 81 9					
Refusal at 81					
MT 35 th, 413120N0723754.1, City of Middletown. Altitude 90 ft. Drilled 1964. Depth to water 45 ft. Drilled by R. E. Chapman Co.					
Loam 0 - 1 1					
Sand, fine, and clay (t111?) 1 - 6 5					
Sand, clay, and sharp gravel (t111?) 6 - 27 21					
Clay, red 27 - 40 13					
Silt, clay, and sharp gravel (t111?) 40 - 48 8					
Clay, red 48 - 54 6					
Sand, medium, and sharp gravel (t111?) 54 - 64 10					
Sand, fine, clay, and sharp gravel (t111?) 64 - 70 6					
Refusal at 70					

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

	Thickness (feet)	Thickness (feet)	Thickness (feet)	Thickness (feet)	Thickness (feet)
Town of Middletown--Cont.					
HT 44 th. 413108N0723750.1. City of Middletown. Altitude 99 ft. Drilled 1964. Depth to water +2 ft. Drilled by R. E. Chapman Co.					
Loam 0 - 1 1					
Sand, gravel, and clay; hardpacked (t111?) 1 - 4 3					
Sand and gravel, gray 4 - 7 3					
Sand, fine, and clay 7 - 18 11					
Clay, firm, red 18 - 34 16					
Sand, gravel, and clay; hard packed (t111?) 34 - 40 6					
Sand, medium 40 - 46 6					
Sand, medium, gravel, and clay; hardpacked (t111?) 46 - 60 14					
Refusal at 60					
HT 45 th. 413114N0723752.1. City of Middletown. Altitude 95 ft. Drilled 1964. Depth to water 8 ft. Drilled by R. E. Chapman Co.					
Loam 0 - 2 2					
Gravel and clay (t111?) 2 - 5 3					
Sand and clay 5 - 14 9					
Sand and firm clay 14 - 25 11					
Clay, red 25 - 41 16					
Sand, fine, clay, and sharp gravel 41 - 62 21					
Clay, hard, and sharp gravel (t111?) 62 - 64 2					
Refusal at 64					
HT 50 th. 41322N0723836.1. Bureau of Highways, Dept. of Transportation. Altitude 3 ft. Drilled 1953.					
Sand, fine to medium, and silt, with wood chips (t111?) 0 - 7 7					
Sand, fine to medium, and silt 7 - 10 3					
Silt, dark gray, with wood chips 10 - 19 9					
Silt, grayish-brown, and clay 19 - 24 5					
Sand, medium, silt, and clay; woodchips and leaves 24 - 30 6					
Gravel, sand, silt, and clay (t111?) 30 - 36 6					
Shale, soft, red 36 - 41 5					
HT 51 th. 413205N0724112.1. Middletown Water Dept. Altitude 65 ft. Drilled 1948. Drilled by R. E. Chapman Co.					
Gravel, water bearing 0 - 10 10					
Gravel, dirty 10 - 20 10					
Gravel, hardpan (t111?) 20 - 26 6					
Ledge 26 - 32 6					
HT 52 th. 413210N0724111.1. Middletown Water Dept. Altitude 65 ft. Drilled by R. E. Chapman Co.					
Pest 0 - 5 5					
Gravel and clay (t111?) 5 - 20 15					
Hardpan (t111?) 20 - 27.5 7.5					
Ledge at 27.5					
HT 53 th. 413159N0723804.1. Middletown Water Dept. Altitude 90 ft. Drilled 1948. Drilled by R. E. Chapman Co.					
Gravel and clay (t111?) 0 - 10 10					
Clay, soft, red 10 - 50 40					
Clay, hard 50 - 65 15					
Hardpan (t111?) 65 - 72 7					
Sand, very fine, and clay (t111?) 72 - 73 1					
Ledge at 73					
HT 54 th (formerly HT 169). 413249N0723846.1. Pratt and Whitney Aircraft Corp. Altitude 140 ft. Drilled 1955. Depth to water 35 ft. Drilled by U.S. Army Corps of Engineers.					
Topsoil with organics 0 - 1 1					
Sand, fine to medium, and silt; reddish-brown 1 - 5 4					
Sand, fine to medium, and silt 5 - 8.5 3.5					
Sand, silt, and gravel; reddish-brown 8.5 - 15 6.5					
Gravel, silt, and red-brown sand (t111) 15 - 20.4 5.4					
Sand, medium to coarse, reddish-brown, and silt 20.4 - 25.2 4.8					
Sand, silt, and gravel; reddish-brown 25.2 - 28 2.8					
Gravel, sand, and silt; reddish-brown 28 - 30 2					
Gravel, cobbles, silt, and reddish-brown sand (t111) 30 - 35 5					
HT 55 th (formerly HT 170). 413253N0723347.1. Pratt and Whitney Aircraft Corp. Altitude 140 ft. Drilled 1955. Depth to water 34 ft. Drilled by U.S. Army Corps of Engineers.					
Topsoil, sandy, and brown silt with organics 0 - 1 1					
Gravel, silt, and reddish-brown sand 1 - 10 9					
Sand, silt, and reddish-brown gravel (t111-like in part) 10 - 15 5					
Gravel, silt, and reddish-brown sand (t111-like in part) 15 - 18 3					
Sand, medium to coarse, and reddish-brown silt 18 - 22.8 4.8					
Gravel, silt, and reddish-brown sand (t111-like in part) 22.8 - 34 11.2					
HT 57 th (formerly HT 174). 413232N0723342.1. Pratt and Whitney Aircraft Corp. Altitude 128 ft. Drilled 1955. Depth to water 13 ft. Drilled by U.S. Army Corps of Engineers.					
Gravel, silt, and brown sand 0 - 5 5					
Sand, silt, and brown gravel 5 - 15 10					
Gravel, silt, and brown sand 15 - 20 5					
Till 20 - 24.3 4.3					
Gneiss 24.3 - 36.2 11.9					
HT 110 th (formerly HT 242). 413320N0723456.1. Hartford Electric Light Co. Altitude 24 ft. Drilled 1951. Drilled by Raymond Pile Co.					
Fill, sand, gravel, boulders, and cement blocks 0 - 7 7					
Sand, fine to coarse, reddish-brown; some fine to medium gravel; cemented 7 - 10 3					
Sand, fine to coarse, reddish-brown; some fine to coarse gravel; trace of clay; boulders 10 - 45 35					
Sand, fine to coarse, reddish-brown; sharp 45 - 55 10					
Sand, gravel, and boulders 55 - 65 10					
Sand, gravel, and boulders, cemented 65 - 69 4					
Refusal at 69					
HT 111 th (formerly HT 243). 413317N0723458.1. Hartford Electric Light Co. Altitude 50 ft. Drilled 1951.					
Topsoil, loamy sand 0 - 2.5 2.5					
Sand, fine to coarse, hard, yellow, and boulders 2.5 - 5.5 3					
Sand, gravel, and boulders, cemented (t111) 5.5 - 11.5 6					
Refusal at 11.5					
HT 112 th (formerly HT 244). 413317N0723450.1. Pratt and Whitney Aircraft Corp. Altitude 23 ft. Drilled 1951. Drilled by Raymond Pile Co.					
Sand, loamy 0 - 1.5 1.5					
Sand, fine to medium, reddish-brown; gravel and boulders, cemented; sharp organic odor 1.5 - 5 3.5					
Sand, fine to medium, red-brown, and gravel; cemented 5 - 9 4					
Sand, fine to medium, sharp, red-brown 9 - 19 10					
Sand, fine, silty, red-brown; little clay 19 - 24 5					
Sand, fine to coarse, yellow; little fine gravel; loose, dirty 24 - 29 5					
Sand, fine to coarse, red-brown; little fine to coarse gravel; little silt; compact; sharp with boulders 53 to 63 ft (t111) 29 - 65 36					
Sand and gravel; little clay (t111) 65 - 67 2					
Refusal at 67					
HT 113 th (formerly HT 245). 413319N0723441.1. Pratt and Whitney Aircraft Corp. Altitude 17 ft. Drilled 1951. Drilled by Raymond Pile Co.					
Fill, riprap 0 - 11 11					
Sand, fine to coarse, reddish-brown; boulders 11 - 17 6					
Sand, fine to medium, reddish-brown; little silt 17 - 29 12					
Sand, fine to coarse, red-brown, and fine to coarse gravel; little silt; some boulders 29 - 56 27					
Sand, fine to medium, reddish-brown; little fine to medium gravel; trace of silt 56 - 71 15					
Sand, fine to coarse, reddish-brown, and gravel; very compact (t111) 71 - 74 3					
Refusal at 74					
HT 114 th (formerly HT 246). 413313N0723441.1. Pratt and Whitney Aircraft Corp. Altitude 30 ft. Drilled 1951. Drilled by Raymond Pile Co.					
Sand, loamy 0 - 3 3					
Sand, fine to medium, loose, red-brown 3 - 8 5					
Sand, fine to coarse, red-brown; fine to coarse gravel and boulders 8 - 13 5					
Sand, fine, red 13 - 27 14					
Sand, fine to coarse, red-brown; little silt; little fine gravel 27 - 34 7					
Sand, fine to coarse, micaceous, gravel, and boulders; little clay; cemented (t111) 34 - 39 5					
Bottom of hole at 39					
HT 116 th (formerly HT 253). 413315N0723434.1. Pratt and Whitney Aircraft Corp. Altitude 15 ft. Drilled 1951. Depth to water 15 ft. Drilled by Raymond Pile Co.					
Sand, loamy 0 - 1 1					
Sand, fine, uniform brown 1 - 6.5 5.5					
Sand, coarse, red, silt, gravel, and boulders; hard 6.5 - 12.5 6					
Sand, coarse, firm, red-brown, with silt 12.5 - 23 10.5					
Sand, medium, red-brown, and coarse gravel; hard; some silt 23 - 33 10					
Sand, coarse, red-brown, and gravel; hard; some silt 33 - 42 9					
Sand, medium to coarse, red-brown; some silt; firm 42 - 49 7					
Silt, red-brown, and medium sand; firm 49 - 56 7					
Sand, fine to coarse; some silt; hard, red-brown 56 - 76 20					
Sand, gravel, and boulders; hard (t111) 76 - 85 9					
Rock, schist, rotten 85 - 90 5					
Rock, schist, cored 90 - 110 20					

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

Town of Middletown--Cont.	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
MT 117 th. (formerly MT 227). 413315N0723425.1. Pratt and Whitney Aircraft Corp. Altitude 16 ft. Drilled 1955. Depth to water 12 ft. Drilled by U.S. Army Corps of Engineers.			MT 126 th. 413342N0724455.1. Ben Petrosky. Altitude 260 ft. Drilled 1972. Depth to water 10 ft. Drilled by U.S. Geol. Survey.		MT 134 th (formerly MT 251). 413313N0723426.1. Hartford Electric Light Co. Altitude 23 ft. Drilled 1951. Driller unknown.	
Sand, fine to medium, and silt with organics..... 0 - 7 7			Sand, very fine to medium, silty, red-brown..... 0 - 4 4		Topsoil (loamy sand)..... 0 - 2.5 2.5	
Sand, medium to coarse, and silt..... 7 - 8.5 1.5			Slit, clay, and very fine, red-brown sand..... 4 - 6 2		Sand, fine, red..... 2.5 - 4 1.5	
Sand, fine to coarse..... 8.5 - 10 1.5			Slit, clayey, red-brown..... 6 - 10 4		Sand, fine, red, gravel, and boulders..... 4 - 13 9	
Sand and silt..... 10 - 11.5 1.5			Slit, red-brown; some very fine sand..... 10 - 13 3		Sand, gravel, and boulders; red; cemented (t111?)..... 13 - 19.5 6.5	
Sand, coarse, silt, and gravel (t111-like)..... 11.5 - 15 3.5			Gravel and sand, silty, very fine to medium, red-brown..... 13 - 14 1		Bottom of hole..... at 19.5	
Sand, silt, and gravel..... 15 - 17.5 2.5			Sand, very fine to fine, red-brown; some silt; sparse granules..... 14 - 29 15		MT 135 th (formerly MT 252). 413316N0723426.1. Hartford Electric Light Co. Altitude 16 ft. Drilled 1951. Drilled by Raymond Pile Co.	
Gravel, silt, and sand..... 17.5 - 20 2.5			Clay, silty, red-brown..... 29 - 38 9		Loam..... 0 - 1 1	
Till or t111-like..... 20 - 25 5			Silt, clayey..... 38 - 50 12		Sand, fine, gray..... 1 - 10.5 9.5	
Gravel, silt, and sand..... 25 - 30 5			Sand..... 50 - 54 4		Sand, gravel, and boulders; cemented 10.5 - 15.5 5	
Sand, silt, and gravel, t111-like..... 30 - 35.4 5.4			Gravel and medium to very coarse sand with silt..... 54 - 60 6		Sand, sharp, red, gravel, and boulders..... 15.5 - 20.5 5	
Sand, medium to coarse, and silt..... 35.4 - 51 15.6			Gravel, medium to coarse, and coarse sand..... 60 - 63 3		Sand, gravel, and boulders; cemented 20.5 - 25.5 5	
Gravel, silt, and sand (t111-like)..... 51 - 61 10			Refusal..... at 63		Sand, coarse, red, gravel, and boulders..... 25.5 - 40.5 15	
Sand, medium to coarse, silt, and gravel (t111-like)..... 61 - 65 4					Sand, sharp, red, gravel, and boulders..... 40.5 - 50.5 10	
Sand, fine to coarse, and gravel..... 65 - 65.4 .4					Sand, fine, red..... 50.5 - 57.5 7.5	
Granite, fine grained, gray; frequent low to medium angle, stained joints..... 65.4 - 74 9.2					Sand, gravel, and boulders; cemented 57.5 - 65 7.5	
MT 118 th (formerly MT 312). 413254N0723351.1. Pratt and Whitney Aircraft Corp. Altitude 16 ft. Drilled 1955. Depth to water 6 ft. Drilled by U.S. Army Corps of Engineers.			MT 127 th. 413313N0723414.1. CANEL. Altitude 16 ft. Drilled 1955. Depth to water 10 ft. Drilled by U.S. Army Corps of Engineers.		MT 137 th. 413328N0723821.1. City of Middletown. Altitude 9 ft. Drilled 1964. Drilled by R. E. Chapman Co.	
Sand, fine to medium, and silt; brown with organics..... 0 - 0.5 0.5			Sand, medium, gravel, and silt with organics..... 0 - 2 2		Fill..... 0 - 2 2	
Sand, fine to medium, silt, and gravel; reddish-brown with organics..... 0.5 - 3.2 2.7			Silt and sand with organics..... 2 - 5 3		Sand, silty, gray, and clay..... 2 - 17 15	
Gravel, silt, and sand; reddish-brown..... 3.2 - 12 8.8			Sand, medium, and silt..... 5 - 22 17		Clay, firm, red, and sharp gravel..... 17 - 29 12	
Sand, fine to coarse, silt, and gravel; reddish-brown..... 12 - 17.7 5.7			Sand, medium to coarse, silt, and gravel..... 22 - 25 3		Sand, compact, red, and clay..... 29 - 37 8	
Sand, fine to medium, and silt; brown..... 17.7 - 19 1.3			Gravel and sand..... 25 - 31.5 6.5		Sand, fine, red, and clay..... 37 - 48 11	
Sand, fine to coarse, silt, and gravel; brown (t111?)..... 19 - 23.5 4.5			Sand, medium, and silt..... 31.5 - 35 3.5		Refusal..... at 48	
Greiss, granite, cored..... 23.5 - 33.5 10			Sand, silt..... 35 - 42.5 7.5			
MT 120 th. 413203N0723738.1. City of Middletown. Altitude 90 ft. Drilled 1953. Drilled by Layne-New York.			Sand, fine to coarse, silt, and gravel..... 42.5 - 45 2.5			
Topsoil..... 0 - 1 1			Sand, medium to coarse, and silt..... 45 - 46 1		MT 138 th. 413330N0723842.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1948.	
Gravel and sand..... 1 - 2 1			Sand, medium, silt, and gravel! (t111-like)..... 46 - 54 8		Gravel, cobbles, sand, and silt..... 0 - 2.5 2.5	
Clay, red..... 2 - 5 3			Refusal..... at 54		Sand, fine to medium, and silt..... 2.5 - 6 3.5	
Gravel and sand..... 5 - 7 2					Silt, red, and clay..... 6 - 16.5 10.5	
Clay, red (compact)..... 7 - 49 42					Clay, red..... 16.5 - 20 3.5	
Gravel, pea size (medium), angular to subrounded; sand, silt, and clay (t111)..... 49 - 60 11					Gravel, sand, silt, and clay; red (t111)..... 20 - 22.5 2.5	
Gravel, angular to subrounded, and small cobbles; some sand and silt (not as dirty as above) (t111?) .. 60 - 67 7					Sand, fine to medium, silt, and clay (t111?)..... 22.5 - 26 3.5	
Hardpan, cemented and compact..... 67 - 83 16					Gravel, sand, and clay (t111?)..... 26 - 29.5 3.5	
Rock at 83					Rock, brownstone, soft 29.5 - 32 2.5	
MT 121 th. 413151N0723756.1. City of Middletown. Altitude 80 ft. Drilled 1956. Drilled by S. B. Church Co.					Rock, brownstone, medium hard 32 - 50 10	
Sand, coarse, and coarse gravel.... 0 - 7 7			MT 139 th. 413329N0723840.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1948.			
Sand, fine, red, and gravel with clay (t111?)..... 7 - 15 8			Topsoil..... 0 - 4 4			
Sand, fine, red..... 15 - 28 13			Gravel, bank run, unconsolidated, and red sand..... 4 - 39 35			
Sand, fine, and gravel..... 28 - 32 4			Gravel, water bearing..... 39 - 49 10			
Gravel, coarse, and fine sand..... 32 - 34 2			Ledge, sandstone (gneiss?)..... 49 - 54 5			
Sand, fine, and clay..... 34 - 44 10			Sand, fine, gray, and clay 0 - 27 27			
Hardpan, rock, or boulders (t111?) .. 44 - 54 10			Sand, coarse, and gravel 27 - 32 5			
MT 122 th. 413210N0723807.1. City of Middletown. Altitude 79 ft. Drilled 1955. Drilled by S. B. Church Co.			Sand, coarse 32 - 36 4			
Clay, red 0 - 30 30			Sand, fine, brown 36 - 40 4			
Gravel and hardpan (t111?) 30 - 40 10			Sand, fine, brown; some gravel 40 - 45 5			
Clay and hardpan (t111?) 40 - 45 5			Sand, fine, brown with clay 45 - 48 3			
Hardpan (t111?) 45 - 72 27			Sand, fine, yellow 48 - 50 2			
Ledge (sandstone?) 72 - 75 3			Sand, fine, and clay 50 - 55 5			
MT 124 th. 413136N0723747.1. City of Middletown. Altitude 85 ft. Drilled 1952. Drilled by Layne-New York.			Sand, fine to coarse, yellow 55 - 58 3			
Topsoil 0 - 2 2			Sand, fine to coarse, with clay 58 - 60 2			
Sand, red, and gravel; bits of clay 2 - 9 7			Sand, coarse, and clay 60 - 65 5			
Clay, red; some gravel 9 - 17 8			Ledge, grayish rock (granite gneiss?) 65 - 66 1			
Sand, red, and clay; some gravel 17 - 38 21						
Sand, fine to medium, red..... 38 - 49 11						
Sand, fine, red, and gravel 49 - 66 17						
Bottom of hole at 66						
MT 125 th. 413344N0724446.1. Henry Basselait. Altitude 250 ft. Drilled 1972. Depth to water 8 ft. Drilled by U.S. Geol. Survey.			MT 141 th. 413301N0723704.1. Larabee & Warrens Inc. Altitude 50 ft. Drilled 1953. Depth to water flowing. Drilled by George Erlanson.			
Loam, silty, black 0 - 3 3			Topsoil; sand; roots 0 - 3 3			
Loam, gravelly, black 3 - 8 5			Sand, red; little peat 3 - 14 11			
Gravel, fine to coarse, and very fine to very coarse, brown sand (t111?) 8 - 20 12			Sand and gravel; red 14 - 20 6			
Gravel, fine, and brown sand; few pebbles than above (t111?) 20 - 35 15			Hardpan and soft rock 20 - 24 4			
Gravel, coarse, sand, silt, and clay, gray to brown (large cobble at 45 ft) 35 - 51 16			Rock, brownstone 24 - 26 2			
Refusal (bedrock) at 51						

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of Hiddietown--Cont.					
HT 145 th, 413329N0723837.1, Bureau of Highways, Dept. of Transportation, Altitude 20 ft. Drilled 1947.		HT 152 th, 413257N0723904.1, Bureau of Highways, Dept. of Transportation, Altitude 50 ft.		HT 160 th (formerly HT 316), 413251N0723331.1, Pratt and Whitney Aircraft Corp., Altitude 48 ft. Drilled 1956. Depth to water 46 ft. Drilled by R. E. Chapman Co.	
Sand and silt, red-brown 0 - 4.5	4.5	Sand, fine, brown, and silt; tree roots 0 - 1	1	Sand, very fine to very coarse, and granule to pebble gravel 0 - 21	21
Gravel, sand, and silt 4.5- 5.5	1	Sand, medium to coarse; few cobbles; organic material 1 - 17	16	Sand, fine to coarse 21 - 32	11
Clay and silt; gray-brown; some fine sand; little medium sand 5.5- 7	1.5	Sand, fine to medium, brown, and silt; organic material 17 - 24	7	Silt and very fine to very coarse sand 32 - 42	10
Silt, medium stiff; gray 7 - 12	5	Rock 24 - 31.5	7.5	Sand, very fine to very coarse, and granule to pebble gravel 42 - 64	22
Silt, little clay, and woodchips 12 - 13.5	1.5	Drilled by F. A. Sullivan.		Silt and clay; little sand 64 - 83	19
Silt, medium stiff; gray 13.5- 24	1.5			Sand, very fine to very coarse, and granule to pebble gravel 83 - 96.5	13.5
Sand, fine to medium, and silt; woodchips 24 - 27	3			Gneiss, granite 96.5 - 97	.5
Sand, fine, and gray silt 27 - 36.5	9.5				
Gravel, sand, silt, and clay; red-brown (till?) 36.5- 39	2.5	Gravel and clay 0 - 5	5		
		Clay, soft, red 5 - 68	63		
		Ledge at 68			
HT 146 th, 413045N0723515.1, Bureau of Highways, Dept. of Transportation, Altitude 351 ft. Drilled 1956. Depth to water 7 ft.		HT 154 th (formerly HT 305), 413257N0723337.1, Pratt and Whitney Aircraft Corp., Altitude 35 ft. Drilled 1956. Depth to water 18 ft. Drilled by R. E. Chapman Co.		HT 163 th, 413339N0723959.1, Bureau of Highways, Dept. of Transportation, Altitude 8 ft. Drilled 1969. Depth to water 7 ft.	
Topsoil, dark brown 0 - 2	2	Gravel, granule to pebble; some very fine to very coarse sand; some silt and clay; reddish-brown 0 - 20	20	Sand, fine, red-brown, and silt; little fine gravel; trace of cobbles; trace of clay 0 - 3.5	3.5
Sand, fine to coarse; fine to coarse gravel and cobbles; trace of silt; trace of clay; dense to very dense; brown to dark brown (till?) 2 - 35	33	Sand, very fine to very coarse; pebble gravel (up to 15 mm in diameter); silt and clay; till-like in part 20 - 30	10	Sand, fine, red-brown, and silt 3.5- 5.3	1.8
Bottom of hole at 35		Sand, very fine to very coarse; pebble gravel (up to 30 mm in diameter); very fine to very coarse sand and silt; clay; till-like in part 30 - 50	20	Silt, red-brown; little fine gravel; little fine sand and coarse sand; cobbles (glacial till) 5.3- 13.8	8.5
HT 147 th, 413050N0723442.1, Bureau of Highways, Dept. of Transportation, Altitude 284 ft. Drilled 1956. Depth to water 14 ft.		Sand, fine to very coarse; pebble gravel (up to 30 mm in diameter); reddish-brown 50 - 60	10	Sandstone, arkose, brown, and siltstone 13.8- 24	9.2
Topsoil 0 - 1	1	Gravel, pebble (up to 55 mm in diameter); little fine to medium sand; some silt and clay; reddish-brown 60 - 70	10	Bottom of hole at 24	
Gravel, brown, sand, and silt 1 - 9	8	Sand, very fine to very coarse; some pebble gravel (up to 43 mm in diameter); reddish-brown 70 - 93	23		
Sand, fine to medium, brown; little fine to coarse gravel; little silt; little clay; trace of coarse sand; cobbles; compact (till?) 9 - 16	7	Gneiss, granite at 93			
Sand, coarse, brown, silt, and clay (hardpan) (till) 16 - 23.5	7.5				
Bottom of hole at 23.5					
HT 148 th, 413057N0723428.1, Bureau of Highways, Dept. of Transportation, Altitude 258 ft. Drilled 1956. Depth to water 9 ft.		HT 156 th (formerly HT 329), 413333N0723741.1, City of Hiddietown, Altitude 9 ft. Drilled 1954. Depth to water 8 ft. Drilled by R. E. Chapman Co.		HT 164 th, 413338N0723958.1, Bureau of Highways, Dept. of Transportation, Altitude 3 ft. Drilled 1969.	
Topsoil 0 - 2	2	Clay, firm, gray 0 - 3	3	Sand, coarse, red-brown, and fine gravel; little fine sand and silt; cobbles; boulders 0 - 3.5	3.5
Gravel, brown, sand, silt, and cobbles (till?) 2 - 5	3	Silt, gray, with streaks of soft gray clay 3 - 34	31	Silt, and clay, red-brown; little fine sand 3.5- 9	5.5
Sand, fine to medium, brown; little silt; trace of fine gravel, coarse sand, and clay; reddish-brown (till?) 5 - 10	5	Sand, fine, gray, and sharp gravel; trace of clay 34 - 47	13	Sand, fine, red-brown, and coarse sand; little fine gravel; little silt (glacial till) 9 - 15.8	6.8
Sand, fine to medium, brown; little silt; trace of fine gravel, coarse sand, and clay; some small cobbles (till?) 10 - 14	4	Sand, fine to medium, brown, and gravel; some clay 47 - 58	11	Siltstone and gray arkose sandstone 15.8- 18.5	2.7
Gravel, brown, sand, and silt; trace of clay (hardpan) (till) 14 - 16	2	Refusal at 58		Siltstone, brown 18.5- 25.5	10
Bottom of hole at 16		HT 157 th (formerly HT 329), 413333N0723719.1, City of Hiddietown, Altitude 9 ft. Drilled 1953. Depth to water 6 ft. Drilled by R. E. Chapman Co.		Bottom of hole at 25.5	
HT 149 th, 413108N0723421.1, Bureau of Highways, Dept. of Transportation, Altitude 235 ft. Drilled 1956. Depth to water 10 ft.		Sand, medium, and clay 0 - 4	4		
Topsoil 0 - 2.5	2.5	Clay, soft, gray 4 - 28	28		
Sand, medium, brown, and gravel; some silt and cobbles (till?) 2.5- 7.5	5	Sand, silty, gray 28 - 33	5		
Sand, fine to medium, brown; little silt; trace of fine gravel, coarse sand, and clay; some cobbles; compact (till?) 7.5- 11.5	4	Sand, fine, medium, and sharp red gravel 33 - 36	3		
Sand, medium to coarse, brown 11.5- 15	3.5	Sand, red, sharp gravel, and clay; compact (till?) 36 - 54	18		
Gravel, brown; little fine to coarse sand; trace of silt; trace of clay; very dense (till?) 15 - 20		Refusal at 54			
Bottom of hole at 20		HT 158 th (formerly HT 310), 413259N0723344.1, Pratt and Whitney Aircraft Corp., Altitude 57 ft. Drilled 1956. Drilled by R. E. Chapman Co.			
HT 150 th, 413139N0723491.1, Bureau of Highways, Dept. of Transportation, Altitude 118 ft. Drilled 1956.		Sand, fine to very coarse, and granule gravel; few cobbles 0 - 22	22		
Gravel, sand, silt, and cobbles (till?) 0 - 8	8	Silt and very fine to very coarse sand 22 - 43	21		
Gravel, cobbles, and fine sand (till?) 8 - 14	6	Silt, clay, and very fine to medium sand (till) 43 - 74	31		
Gravel, sand, silt, cobbles, and trace of clay (till?) 14 - 16	2	Silt, clay, and very fine to coarse sand; some pebble gravel (till) 80 - 87	7		
Gravel, fine to coarse; trace of fine to coarse sand; trace of silt; trace of clay (hardpan) (till) 16 - 18.5		Gneiss at 87			
Bottom of hole at 18.5					
HT 151 th, 413258N0723903.1, Bureau of Highways, Dept. of Transportation, Altitude 46 ft. Depth to water 1 ft.					
Sand, fine, with medium sand; few boulders 0 - 13	13				
Sand, fine to medium, brown; few cobbles 13 - 17	4				
Sand, fine, brown, and silt 17 - 18.5	1.5				
Hardpan, brown; fine to medium sand; silt, and cobbles; little clay (till) 18.5 - 24.5	6				
Rock 24.5 - 32.5	8				
		Sand, very fine to very coarse, and granule to pebble gravel; few cobbles 0 - 82	82		
		Silt, very fine to very coarse sand, and granule gravel; few pebbles; cobbles at 145 ft (till?) 82 - 145	63		

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of New Britain					
NB 8 th, 413950N0724825.1, Bureau of Highways, Dept. of Transportation, Altitude 219 ft. Drilled 1954. Depth to water 10 ft.		DL 28 th, 411910N0722042.1, Bureau of Highways, Dept. of Transportation, Altitude 4 ft. Drilled 1946.		OL 39 th, 412126N0721901.1, Town of Old Lyne, Altitude 55 ft. Drilled 1972. Depth to water 8 ft. Drilled by U.S. Geol. Survey.	
Topsoil, brown 0 - 1 1	Sand, gravel, and boulders 0 - 4 4	Fill 0 - 3 3			
Cinders, sand, gravel, and cobbles (fill) 1 - 3 2	Sand, coarse, brown; some gravel 4 - 29 25	Gravel, dirty, cobbly 3 - 9 6			
Sand, fine to coarse, red to brown; some gravel; some silt; few cobbles 3 - 10 7	Sand, medium, brown 29 - 43 14	Sand, fine to medium, with layers of very fine to fine gravel and occasional cobbles; occasional layers of silt 9 - 33 24			
Boulder 10 - 11 1	Rock 43 - 49 6	Till, sandy, gravelly, gray (very hard below 35 ft.) 33 - 46 13			
Sand, fine, coarse, red to brown; some gravel; some silt; cobbles (fill) 11 - 15 4	Topsoil 49 - 54 5	Refusal at 46 13			
Boulder 15 - 16 1	Gravel, fine; some granite cobbles (fill) 0 - 2.9 2.9	DL 40 th, 411845N0721815.1, Lester Stone, Altitude 10 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.			
Sand, fine to coarse, red to brown; some gravel; some silt; trace clay; cobbles (fill) 16 - 38 22	Gravel; small boulders; layers of hardpan; some silt (fill) 2.9 - 16.2 13.3	Sand, very fine to medium 0 - 2 2			
Sand, fine, red, and silt; stratified 38 - 45 7	Sand, fine, and boulders (fill) 16.2 - 23 6.8	Gravel, very fine to medium, and layered sand; some silt to very coarse sand matrix (predominately sand) 2 - 45 43			
Refusal at 45 1	Gravel and boulders (fill) 23 - 28 5	Till, sandy, orange-brown, very tight 45 - 52 7			
DL 30 th, 411911N0722039.1, Bureau of Highways, Dept. of Transportation, Altitude 60 ft. Drilled 1946.	Gravel, fine; trace silt (fill) 28 - 35 7	Refusal at 52 7			
Topsoil 0 - 2.9 2.9	Gravel, fine; trace silt (fill) 35 - 51.2 16.2	DL 41 th, 4112001N0721848.1, Richard Heska, Altitude 33 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.			
Sand, fine, coarse, red to brown; some gravel; some silt; few cobbles (fill) 3 - 6 3	Bottom of hole at 51.2 1	Topsoil, loam, black 0 - 1 1			
Rock, basalt 6 - 16 10	Fill, cinders and sand 1 - 8 7	Gravel, very fine, sandy; some silt 1 - 11 10			
OL 32 th, 411818N0721948.1, Bureau of Highways, Dept. of Transportation, Altitude 15 ft. Drilled 1959. Depth to water 15 ft.	Sand, silty, variable, gray to tan; stratified with gravel 8 - 35 27	Sand, very fine to medium, bedded in well sorted layers; trace of very coarse sand and silt 11 - 36 25			
Water 0 - 1 1	Sand, fine, gray; trace silt 35 - 50 15	Sand, very fine to fine, and silt (silt 1 in. layers every 4-5 in.; varves) 36 - 51 15			
Silt, gray; little fine gray sand... 1 - 22.5 21.5	Sand, fine to medium, gray 50 - 65 15	Till, sandy, gray 51 - 55 4			
Sand, fine to coarse, gray; trace silt; trace gravel 22.5 - 31 8.5	Rock, gray, granite gneiss 65 - 80 15	Refusal at 55 4			
Sand, fine, gray to tan; some silt 31 - 48.5 17.5	Topsoil, loam 80 - 94 14	DL 42 th, 411958N0721922.1, N. C. Clark, Altitude 30 ft. Drilled 1972. Depth to water 12 ft. Drilled by U.S. Geol. Survey.			
Silt, red to brown, and gray to tan, stratified very fine sand... 48.5 - 68 19.5	Sand and silt 95 - 100 14	Topsoil, loam, black 0 - 1 1			
Sand, fine to coarse, gray to tan; trace silt; trace gravel 68 - 77.5 9.5	Gravel 2 - 5 3	Gravel, sandy; some silt 0 - 10 10			
Rock, decomposed to soft granite ... 77.5 - 87.5 10	Sand, medium, brown; trace silt 5 - 10.5 5.5	Gravel, coarse 10 - 11 1			
OL 34 th, 411923N0721940.1, Bureau of Highways, Dept. of Transportation, Altitude 23 ft. Drilled 1947.	Gravel and sand; some silt 10.5 - 26 15.5	Sand, very fine to fine, and silt 11 - 32 21			
Water 0 - 1 1	Gravel, coarse and sand; some silt 26 - 28 2	Till, sandy, gray 32 - 37 5			
Silt, gray; little fine gray sand... 1 - 22.5 21.5	Gravel, coarse, and silt; layers of hardpan (fill) 28 - 68 40	Refusal at 37 5			
Sand, fine to coarse, gray; trace silt; trace gravel 22.5 - 31 8.5	Rock (soft) 68 - 74 6	DL 43 th, 411723N0721847.1, Bureau of Highways, Dept. of Transportation, Altitude 2 ft. Drilled 1931.			
Silt, red to brown; trace fine sand; stratified 31 - 48.5 17.5	OL 35 th, 411924N0721954.1, Bureau of Highways, Dept. of Transportation, Altitude 0 ft. Drilled 1946. Depth to water 0 ft.	Water 0 - 8.5 8.5			
Sand and gravel, gray; trace silt (fill) 45 - 77.5 32.5	Silt; grass roots; woodchips 8.5 - 24 15.5	Mud and very soft clay 0 - 37 37			
Sand, fine, dark gray, and organic silt 77.5 - 84 6.5	Silt; grass roots 24 - 31 7	Sand, medium hard, gray 37 - 50 13			
Rock, granitic, soft to medium hard 84 - 92 8	Sand, medium, gray, and silt 31 - 35 4	OL 44 th, 411721N0721846.1, Bureau of Highways, Dept. of Transportation, Altitude 2 ft. Drilled 1931.			
OL 21 th, 411823N0721949.1, Bureau of Highways, Dept. of Transportation, Altitude 0 ft. Drilled 1959. Depth to water 0 ft.	Sand, fine, brown, and silt 35 - 43 8	Sand and gravel 0 - 3.5 3.5			
Water 0 - 2 2	Sand and silt 43 - 51 8	Sand, yellow, and gravel (gravel not close) 3.5 - 23.4 19.9			
Silt, gray to brown; some fine sand 2 - 11.5 9.5	Sand, silt, brown 51 - 70 19	Sand, medium hard, gray 23.4 - 40.5 17.1			
Peat 11.5 - 13 1.5	Gravel, fine, and silt 70 - 80 10	OL 45 th, 411926N0721952.1, Bureau of Highways, Dept. of Transportation, Altitude -1 ft. Drilled 1940. Driller unknown.			
Sand, fine to coarse, tan, and gravel; trace silt 13 - 20 7	Rock, soft 80 - 87 7	Mud and clay 0 - 6 6			
Sand, fine to coarse, tan; trace silt 20 - 45 25	OL 36 th, 411907N0721808.1, Bureau of Highways, Dept. of Transportation, Altitude 15 ft. Drilled 1955.	Mud and clay 6 - 20 14			
Silt, red to brown; trace fine sand; stratified 45 - 77.5 32.5	Sand, coarse to medium, yellow to brown; some fine gravel 1 - 6 5	Sand, gray; some clay 20 - 30 10			
Sand and gravel, gray; trace silt (fill) 77.5 - 84 6.5	Sand, fine to medium, gray and brown 6 - 11 5	Sand, brown; some clay 30 - 71 41			
Rock, granitic, soft to medium hard 84 - 92 8	Sand, fine, gray, and silt 11 - 16 5	Rock, soft 71 - 76 5			
OL 23 th, 411930N0722052.1, Bureau of Highways, Dept. of Transportation, Altitude 0 ft. Drilled 1946. Depth to water 0 ft.	Silt, gray; trace clay 16 - 21 5	OL 46 th, 411926N0721954.1, Bureau of Highways, Dept. of Transportation, Altitude 1 ft. Drilled 1940. Driller unknown.			
Water 0 - 16.5 16.5	Sand, medium to coarse, gray; some fine to coarse gravel 21 - 36 10	Mud and clay 0 - 22 22			
Mud 16.5 - 19 2.5	Gravel, medium to coarse, brown; some fine to coarse sand (fill) 46 - 56 10	Sand, brown; some clay 22 - 27.5 5.5			
Sand, medium, gray; trace silt; trace vegetation 19 - 34 15	Sand, medium to coarse, gray and brown; some coarse gravel 56 - 61 5	Sand, fine, gray; some clay 27.5 - 36.5 9			
Sand, medium, gray; some silt 34 - 36 2	Rock; medium hard, sandy granite gneiss 61 - 64 3	Sand, brown; some clay 36.5 - 91 54.5			
Sand, medium, gray, and silt 36 - 43 7	OL 47 th, 411835N0722026.1, New Haven Railroad. Altitude 6 ft. Drilled 1941. Drilled by Gov Div. of Raymond Conc. Pile Co.	Sand, gray; some gray clay 91 - 94 4			
Sand, fine, dark gray, and organic silt 43 - 54 11	Sand, very fine to fine; thin layered with silt 64 - 71 7	Hardpan; some clay 94 - 98 4			
Sand, fine, gray; little silt 54 - 90 36	Sand, very fine to medium, layered; scattered gravel 25 - 31 3	Rock, soft 98 - 103 5			
Sand, medium, gray, and silt 90 - 121 31	Till, sandy, packed, gray 31 - 39 8	Fill, loose 0 - 6 6			
Bottom of hole at 121 1	Refusal at 40 1	Peat, silty, soft, and sand 6 - 14 8			
OL 25 th, 411909N0722048.1, Bureau of Highways, Dept. of Transportation, Altitude 0 ft. Drilled 1946. Depth to water 0 ft.	OL 38 th, 412130N0721823.1, Rogers Lake West Shore Assn. Altitude 50 ft. Drilled 1972. Depth to water 7 ft. Drilled by U.S. Geol. Survey.	Sand, silty, soft 14 - 43 29			
Water 0 - 21 21	Gravel, very fine to fine, sandy, orange 0 - 18 18	Sand, coarse, hard, and gravel; little clay 43 - 50 7			
Sand, fine to medium, and red 21 - 33 12	Sand, very fine to fine 18 - 24 6	Sand, fine, hard, and clay 50 - 78 28			
Sand, fine; some silt; trace rotten vegetation 33 - 93 60	Gravel, very fine to fine; some very fine to very coarse sand 24 - 28 4	Refusal at 83 5			
Sand, fine; some silt 93 - 123 30	Sand, very fine to medium, layered; thin 25 - 31 3				
Hardpan; cobbles and boulders (fill) 123 - 126 3	Sand, very fine to medium, layered; scattered gravel 31 - 39 8				
Boulder 126 - 128 2	Till, sandy, packed, gray 39 - 40 1				
Sand and coarse gravel (fill).... 128 - 129.5 1.5	Refusal at 40 1				
Rock, granite 129 - 139 9.5					
OL 27 th, 411910N0722044.1, Bureau of Highways, Dept. of Transportation, Altitude 0 ft. Drilled 1946. Depth to water 0 ft.					
Water 0 - 31 31					
Mud and silt 31 - 43 12					
Sand, fine to medium 43 - 45 2					
Sand, medium; some silt 45 - 59 14					
Rock, possible 59 - 61 2					
Rock 61 - 71 10					

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of Old Lyme--Cont.					
0L 48 th. 411835N0722031.1. New Haven Railroad. Altitude 0 ft., Drilled 1941. Drilled by Gov Div. of Raymond Conc. Pile Co.		0S 10 th. 411906N0722110.1. Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1946.		0S 21 th. 411750N0722329.1. Connecticut Water Co. Altitude 10 ft. Drilled 1953. Depth to water 8 ft. Drilled by S. B. Church Co.	
Water Silt, soft, and fine sand Peat and fine sand Sand, fine, firm Sand, coarse, hard, and gravel; little clay Sand, fine, hard, and clay Sand, coarse, hard, and gravel.... Sand, fine, hard, gravel, and clay; hardpan (till?) Refusal at 85.5	0 - 4 4 - 27 27 - 28 28 - 31.5 31.5 - 34 34 - 76 76 - 78 78 - 85.5 7.5	Topsoil Sand, medium, brown; some silt; Gravel and fine to coarse sand Sand, coarse; some silt Boulders and gravel; some silt Cobbles and gravel; some silt Bottom of hole at 60.5	0 - 2 2 - 10.5 10.5 - 21.5 21.5 - 26 26 - 31.5 31.5 - 48.3 48.3 - 60.5 at 60.5	Sand, dirty Sand, fine, mixed with dirty gravel Sand, fine, gray, with coarse sand at 21	0 - 7 7 - 21 21 - 28 7
0L 49 th. 411818N0721830.1. Bureau of Highways, Dept. of Transportation. Altitude -1 ft. Drilled 1934. Driller unknown.		0S 13 th. 411907N0722104.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1946.		0S 23 th. 411809N0722246.1. Connecticut Water Co. Altitude 30 ft. Drilled 1953. Depth to water 4 ft. Drilled by S. B. Church Co.	
Fill; gravel, sand, marsh mud, and riprap blocks Mud, marsh Gravel, gray to light brown, sand, and silt Sand, medium to coarse, light brown, and silt; few pebbles Sand, fine to medium, light brown, and silt; little coarse sand.... Sand, fine to medium, light brown, and silt Gravel, sand, silt, and cobbles (till?) at 59	0 - 3 3 - 6 6 - 11 11 - 32 32 - 37 37 - 50 50 - 59	Peat, ruck, grass roots, and wood chips Silt, light gray; some grass roots Silt; some fine sand roots Silt and fine sand Sand, coarse, gravelly Bottom of hole at 73	0 - 17.5 17.5 - 22.5 22.5 - 33.5 33.5 - 38.5 38.5 - 62 62 - 73 at 73	Topsoil Sand and gravel, dirty Hardpan, gravelly (till) Ledge at 29	0 - 3 3 - 18 18 - 29 11
0S 1 th. 411921N0722243.1. Bureau of Highways, Dept. of Transportation. Altitude 58 ft. Drilled 1963. Depth to water 11 ft.		0S 14 th. 411905N0722101.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.		0S 24 th. 411808N0722258.1. Connecticut Water Co. Altitude 35 ft. Drilled 1953. Depth to water 6 ft. Drilled by S. B. Church Co.	
Topsoil, brown Gravel, fine to medium, gray, and coarse sand; trace fine sand ... Sand, fine to coarse, light rusty brown; some fine to medium gravel; little silt Sand, coarse, red, tan, gray, and gravel; little fine sand; little silt; little cobbles Gravel, fine to coarse, gray; some coarse sand; trace fine sand; trace silt Sand, fine to coarse; little fine gravel; trace silt Bottom of hole at 22	0 - 2 2 - 9 9 - 11 11 - 14 14 - 19 19 - 22	Water Mud Sand, medium, gray and gray silt in alternate layers Sand, fine, gray, and silt (some grass roots) Sand, fine, gray, and silt Sand, medium, gray Sand, fine, gray at 102	0 - 19 19 - 21 21 - 26 26 - 45 45 - 65 65 - 75 75 - 102 27	Topsoil Sand and gravel, dirty Hardpan, gravelly (till) Ledge at 27	0 - 2 2 - 19 19 - 27 8
0S 2 th. 411910N0722149.1. Bureau of Highways, Dept. of Transportation. Altitude 25 ft. Drilled 1953. Depth to water 0 ft.		0S 15 th. 411908N0722058.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.		0S 25 th. 411836N0722221.1. Connecticut Water Co. Altitude 45 ft. Drilled 1953. Depth to water 8 ft. Drilled by S. B. Church Co.	
Silt, dark brown, blackish-gray; trace sand; trace roots and organic swamp ruck Sand, fine to coarse, brown to tan; some fine to medium gravel; some silt; little clay Sand, fine to coarse, brown; some fine to medium gravel; little silt Sand, fine to coarse, tan; some fine to medium gravel; little silt; cobbles (sandy till) Boulder Rock, medium to hard; decomposed seams at 18.5	0 - 4 4 - 8 8 - 12 12 - 17.5 17.5 - 18.5 15.5 - 28.5	Water Mud and silt Sand, medium, mixed with mud and silt Sand, coarse, gray, and silt Sand, medium to coarse, dark gray, and fine gravel Sand, medium, and silt Sand, fine, and silt Bottom of hole at 124	0 - 20 20 - 25 25 - 30 30 - 34 34 - 50 50 - 95 95 - 100 at 124	Gravel, hardpan (gravel cap) Sand, coarse (very good water bearing) Sand, coarse, dirty Hardpan at 27.5	0 - 6 6 - 40 34
0S 4 th. 411726N0722513.1. Bureau of Highways, Dept. of Transportation. Altitude 23 ft. Drilled 1950. Depth to water 5 ft.		0S 16 th. 411909N0722054.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.		0S 29 th. 411741N0722424.1. Connecticut Water Co. Altitude 19 ft. Drilled 1957. Depth to water 4 ft. Drilled by S. B. Church Co.	
Topsoil Sand and gravel Hardpan, gravel, and sand Rock, good recovery at 15	0 - 1.5 1.5 - 8 8 - 15 15 - 20	Water Mud, dark gray Sand, fine, gray, and silt Sand, fine to medium, gray; little silt Sand, fine, gray; some silt Sand, medium, gray; some silt ... Bottom of hole at 124	0 - 22 22 - 25 25 - 30 30 - 55 55 - 70 70 - 124 at 124	Gravel, fine Sand, fine Clay Silt and clay Refusal at 32	0 - 6 6 - 26 20 26 - 29 3 29 - 32 3
0S 6 th. 411814N0722257.1. Bureau of Highways, Dept. of Transportation. Altitude 33 ft. Drilled 1950.		0S 18 th. 411837N0722203.1. Bureau of Highways, Dept. of Transportation. Altitude 34 ft. Drilled 1951.		0S 33 th. 411756N0722343.1. Connecticut Water Co. Altitude 9 ft. Drilled 1957. Drilled by R. E. Chapman Co.	
Fill; sand, cinders, and gravel .. Gravel and boulders (till?) Gravel and sand; some silt (till?) Rock, soft Rock, medium to hard at 25	0 - 5 5 - 22.8 22.8 - 28.2 28.2 - 31.2 31.2 - 37	Topsoil Gravel, fine, and coarse sand ... Boulder Sand, coarse, gray Sand, medium, gray Sand, medium, gray Bottom of hole at 73.5	0 - 0.5 0.5 - 7.3 7.3 - 20.4 20.4 - 39.4 39.4 - 60.5 60.5 - 65.5 65.5 - 73.5 at 73.5	Fill, gravelly Muck Gravel Silt and clay Refusal at 35	0 - 2 2 - 4 4 - 9 9 - 35 26 26 - 29 3 29 - 32 3
0S 8 th. 411855N0722129.1. Bureau of Highways, Dept. of Transportation. Altitude 13 ft. Drilled 1957. Depth to water 10 ft.		0S 19 th. 411858N0722134.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1947.		0S 34 th. 411756N0722341.1. Connecticut Water Co. Altitude 11 ft. Drilled 1957. Drilled by R. E. Chapman Co.	
Sand and coarse to medium gravel.. Sand, fine to medium, firm; little gravel Bottom of hole at 25	0 - 3.5 3.5 - 25	Loam Sand and silt Sand and gravel Sand, medium, brown Sand, medium, gray Sand, medium Sand and gravel at 21	0 - 1 1 - 4 4 - 5 5 - 8 18 - 23 23 - 26.5 26.5 - 36 36 - 39.5 39.5 - 59.5 59.5 - 75.7 75.7 - 85.2 at 85.2	Gravel, medium Sand, fine, gray Sand, fine, brown Sand, fine, gray Clay Sand, fine, gray Refusal at 76	0 - 8 8 - 10 10 - 13 13 - 26 13 26 - 50 50 - 76 26
0S 20 th. 411751N0722324.1. Connecticut Water Co. Altitude 20 ft. Drilled 1953. Depth to water 21 ft. Drilled by S. B. Church Co.		Topsoil Gravel, coarse, and cobbles Sand, coarse Sand, fine, and silt Sand, fine, with layers of good sand Ledge at 61.5	0 - 2 2 - 15 15 - 28 28 - 55 55 - 61.5 6.5 at 61.5	Gravel, medium Sand, fine, and sand Gravel, coarse, brown Sand, fine, silty Refusal at 33	0 - 6 6 - 17 17 - 37 20 23 - 25 2 25 - 33 8
0S 35 th. 411709N0722521.1. Connecticut Water Co. Altitude 10 ft. Drilled 1957. Drilled by R. E. Chapman Co.		0S 36 th. 411726N0722416.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Depth to water 8 ft. Drilled by R. E. Chapman Co.		0S 37 th. 411727N0722414.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Drilled by R. E. Chapman Co.	
Sand, medium, dirty Sand, medium to coarse Sand, fine Gravel, packed, sharp (till?) Refusal at 40		Sand, fine, dirty Sand, medium, dirty Sand, fine, brown Sand, fine, gray Clay Sand, fine, gray Refusal at 40		Gravel, medium, brown Gravel, fine, and sand Gravel, coarse, brown Sand, fine, silty Refusal at 33	

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of Old Saybrook--Cont.					
05 38 th. 411726N0722409.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.				05 50 th. 411804N0722232.1. Bureau of Highways, Dept. of Transportation. Altitude 23 ft. Drilled 1973. Depth to water 4 ft. Drilled by Gates-Scarpa & Assoc., Inc.	
Gravel, fine to medium 0 - 15 15		F111 (cinders, sand, gravel) 0 - 1.5 1.5		05 58 th. 411753N0722341.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1948.	
Sand, fine 15 - 20 5		Sand, fine to medium; and silt 2 - 9 7		Mud and vegetation matter 0 - 2 2	
Sand, coarse, and fine gravel 20 - 25 5		Sand, coarse, and gravel 9 - 12 3		Sand, fine to medium, and silt 2 - 9 7	
Refusal at 25		Sand, fine to coarse, brown; some medium to fine gravel; trace of silt 12 - 30 18		Sand, fine, gray, and silt; some clay 12 - 30 18	
05 39 th. 411729N0722406.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Drilled by R. E. Chapman Co.		Gravel, fine to medium, dark tan, and fine to coarse sand; trace of silt 15 - 20 5		Bottom of hole at 30	
Gravel, fine 0 - 16 16		Sand, fine, dark tan; some silt 15 - 20 5		05 59 th. 411809N07222310.1. Bureau of Highways, Dept. of Transportation. Altitude 18 ft. Drilled 1949. Depth to water 14 ft.	
Sand, fine; some clay 16 - 20 4		Sand, fine to coarse, gray-tan, and fine to medium gravel; trace of silt 20 - 24 4		Topsoil 0 - 3 3	
Gravel, packed, sharp (F111) 20 - 25 5		Sand, fine to coarse, gray; trace of silt; trace of fine gravel 24 - 34 10		Gravel and sand 3 - 12 9	
Refusal at 25		Sand, fine to coarse, gray; trace of silt 34 - 41.5 5		Hardpan; medium gravel 12 - 15 3	
05 40 th. 411725N0722412.1. Connecticut Water Co. Altitude 18 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.		Bedrock, gneiss 41.5 - 46.5 5		Gravel, medium, and sand 15 - 22 7	
Clay 0 - 6 6		05 60 th. 411843N07222156.1. Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1949.		Bottom of hole at 22	
Sand, coarse 6 - 10 4		05 51 th. 411806N0722232.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1973. Depth to water 3 ft.		Topsoil 0 - 2 2	
Gravel, fine 10 - 16 6		Cinders, sandy, and gravel (F111) 0 - 1 1		Gravel, brown 2 - 5 3	
Sand, fine, and clay 16 - 27 6		Silt, tan, and fine sand (F111) 1 - 3 2		Sand, coarse, gray 5 - 7 2	
Refusal at 27		Silt, organic, black 3 - 7.5 4.5		Gravel, fine, gray, and sand 7 - 19 12	
05 41 th. 411726N0722405.1. Connecticut Water Co. Altitude 17 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.		Silt, gray; little film sand 7.5 - 9.5 2		Sand, medium to coarse, gray 19 - 38 19	
Gravel, fine 0 - 10 10		Sand, fine to coarse, gray; some redust to fine gravel; little silt 9.5 - 12 2		Gravel, boulder 38 - 40 2	
Sand, fine 10 - 30 20		Gravel, fine to medium, gray; fine to coarse sand; trace of silt 12 - 30 18		Rock 40 - 43 3	
Sand, fine to medium 30 - 41 11		Bedrock, gneiss, gray 30 - 35 5			
Refusal at 41		05 52 th. 411716N0722334.1. Bureau of Highways, Dept. of Transportation. Altitude 8 ft. Drilled 1959.			
05 42 th. 411726N0722402.1. Connecticut Water Co. Altitude 18 ft. Drilled 1959. Drilled by R. E. Chapman Co.		Sand, brown, and gravel; some silt; little cobbles (F111) 0 - 4.5 4.5		Tide water 0 - 8 8	
Gravel, fine 0 - 10 10		Sand, brown, and gravel; little silt; some tanned road surface (F111) 4.5 - 6 1.5		Sand, fine to coarse, dark gray; seashells 8 - 10 2	
Sand, coarse 10 - 14 4		Sand, brown, and gravel; some silt (F111) 6 - 9 3		Silt, organic, gray, and fibrous material; little silt 10 - 13 3	
Sand, silty, and clay 14 - 39 25		Silt, organic, gray, and marsh root mat; little sand 9 - 12 3		Sand, fine to coarse, gray; little fine gravel and silt 13 - 15 2	
Refusal at 39		Silt, organic, gray; pest, wood chips, tree roots, and shells 12 - 23 11		Sand, coarse, gray; some fine gravel; trace of silt 15 - 25 10	
05 43 th. 411727N0722400.1. Connecticut Water Co. Altitude 14 ft. Drilled 1959. Drilled by R. E. Chapman Co.		Sand, gray, and gravel; some weathered decomposed rock 23 - 28.5 5.5		Sand, fine, grayish-brown 25 - 29 4	
Gravel, fine 0 - 17 17		Gneiss, weathered 28.5 - 38.5 10		Sand, fine, grayish-brown; trace of coarse sand 29 - 44 15	
Sand, fine 17 - 20 3		05 53 th. 411715N0722334.1. Bureau of Highways, Dept. of Transportation. Altitude 11 ft. Drilled 1959.		Sand, fine, gray; trace of medium gravel 44 - 53 9	
Sand, fine, silty 20 - 42 22		Sand, fine, grayish-brown 53 - 78 25		Sand, fine, grayish-brown 78 - 89 11	
Refusal at 42		Sand, gray; trace of medium gravel 89 - 95 7		Sand, fine, grayish-brown 96 - 113 17	
05 44 th. 411724N0722417.1. Connecticut Water Co. Altitude 20 ft. Drilled 1959. Depth to water 8 ft. Drilled by R. E. Chapman Co.		Gneiss, weathered 113 - 120 7		Sand, coarse sand 113 - 120 7	
Gravel, fine 0 - 15 15		05 54 th. 411756N0722334.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1950.		Sand, grayish-brown 120 - 132 12	
Sand, fine 15 - 25 10		Topsoil and sand 0 - 2 2		Sand, gray 132 - 137 5	
Gravel, packed, sharp (F111) 25 - 27 2		Gravel, coarse 2 - 15 13			
Refusal at 27		Gravel, fine, and coarse sand 15 - 30 15			
05 45 th. 411723N0722409.1. Donnelly Co. Altitude 14 ft. Depth to water 2 ft. Driller unknown.		Sand, medium to coarse 30 - 35 5			
Muck, black 0 - 4 4		Sand, fine, medium, gray 35 - 41 6			
Sand, medium to coarse; little fine to medium gravel 4 - 12 8		Sand, fine, gray; trace of silt 41 - 65 24			
05 46 th. 411724N0722359.1. Donnelly Co. Altitude 18 ft. Depth to water 2 ft. Drilled unknown.		05 55 th. 411739N0722423.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1950.			
Muck, black 0 - 4 4		Topsoil 0 - 2 2			
Sand, medium to coarse; trace fine to medium gravel 4 - 26 22		Loam and sand 2 - 5 3			
05 47 th. 411724N0722359.1. Donnelly Co. Altitude 18 ft. Depth to water 2 ft. Drilled unknown.		Gravel, fine, and coarse sand 5 - 20 15			
Muck, black 0 - 4 4		Sand, coarse, and small to medium, reddish-brown gravel 20 - 30 10			
Sand, medium to coarse; trace fine to medium gravel 4 - 26 22		Rock, soft to medium, gray 30 - 33 3			
05 48 th. 411705N0722127.1. Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1972. Depth to water 18 ft. Drilled by U.S. Geol. Survey.		05 56 th. 411738N0722423.1. Bureau of Highways, Dept. of Transportation. Altitude 26 ft. Drilled 1950.			
Gravel, fine to coarse, and clean medium sand 0 - 6 6		Topsoil 0 - 1 1			
Sand, very fine to medium; trace silt; occasional layers of gravel 6 - 51 45		Loam and fine sand 1 - 8 7			
Gravel, fine, and very fine to very coarse sand, with layers of silt and very fine sand 51 - 56 5		Gravel 8 - 10 2			
Sand, fine, very coarse, with layers of fine gravel; trace silt 56 - 64 8		Hardpan 10 - 14 4			
Gravel, sandy 64 - 67 3		Rock, gray 14 - 17 3			
Sand, gravelly 67 - 73 6		05 57 th. 411749N0722352.1. Bureau of Highways, Dept. of Transportation. Altitude 6 ft. Drilled 1948.			
Refusal at 75		05 58 th. 411753N0722341.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1948.			
05 49 th. 411818N0722248.1. Bureau of Highways, Dept. of Transportation. Altitude 26 ft. Drilled before 1950. Depth to water 1 ft.		Topsoil, silty, and sand 0 - 2 2			
Topsoil 0 - 3 3		Gravel, medium 2 - 3 1			
Gravel 3 - 12 9		Gravel 3 - 10 7			
Gravel, boulder, and hardpan (F111) 12 - 29 17		Gravel and sand 10 - 14 4			
		Gravel and coarse sand 14 - 24 10			
		Sand, fine to coarse, and gravel ... 24 - 27 3			
		Bottom of hole at 27			

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

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
Town of Portland--Cont.								
P 7 th. 413412N0723843.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1935.			P 23 th. 413352N0723701.1. Bureau of Highways, Dept. of Transportation. Altitude 10 ft. Drilled 1957. Depth to water 12 ft.			SH 3 th. 412741N0721737.1. Hiram Bingham, Jr. Altitude 210 ft. Drilled 1972. Depth to water 7 ft. Drilled by U.S. Geol. Survey.		
F111, brownstone 0 - 4 4			Topsoil 0 - 1 1			Gravel, very fine, and very fine to very coarse sand; layered; some cobbles 0 - 48 48		
Sand, fine 4 - 31 27			Sand, fine, tan-brown; trace of silt 1 - 8 7			Sand 48 - 51 3		
Sand, fine, and gray clay 31 - 46 15			Silt 8 - 12 4			Gravel (t111?) 51 - 53 2		
Gravel and red clay (t111?) 46 - 53 7			Silt, organic, gray-tan and black; trace of fibers and roots; trace of fine sand 12 - 19 7			Refusal at 53		
Rock, brownstone 53 - 59 6			Sand, fine, gray; trace of silt 19 - 22 7					
P 8 th. 413413N0723840.1. Bureau of Highways, Dept. of transportation. Altitude 31 ft. Drilled 1935.			Sand, gray-tan; little silt 22 - 34 12					
F111, brownstone 0 - 19 19			Sand, fine, gray; and silt 34 - 39 7					
Mud, swamp 19 - 24 5			Sand, fine, gray; little silt 39 - 46 7					
Gravel and red clay (t111?) 24 - 32 8			Sand, fine, gray; little silt 46 - 58 12					
Rock, brownstone 32 - 39 7			Sand, fine, gray; and silt 58 - 70 12					
P 16 th. 413413N0723837.1. Bureau of Highways, Dept. of Transportation. Altitude 35 ft. Drilled 1935.			Sand, fine, gray; trace of silt 70 - 78 8					
F111, brownstone 0 - 16 16			Sand, fine, gray; little silt; trace of fine gravel 78 - 84 6					
Gravel and red clay (t111?) 16 - 23 7			Sand, fine to coarse, gray; little silt 84 - 87 3					
Rock, brownstone 23 - 29 6			Silt, red-brown; trace of fine sand; trace of clay in layers 87 - 117 30					
P 17 th. 413414N0723836.1. Bureau of Highways, Dept. of Transportation. Altitude 41 ft. Drilled 1935.			Silt, red-brown; little silt; trace of fine gravel 117 - 129 12					
F111, brownstone 0 - 13 13			Sand, fine to coarse, red-brown; some fine to coarse gravel; little silt; trace of cobbles (t111?) 129 - 166.7 37.7					
Sand, coarse, gravel, and red clay (t111?) 13 - 18 5			Shale, red-brown, with arkose layers 166.7-174 7.3					
Rock, brownstone 18 - 25 7								
P 18 th. 413415N0723835.1. Bureau of Highways, Dept. of Transportation. Altitude 55 ft. Drilled 1972.			P 24 th. 413409N0723706.1. Bureau of Highways, Dept. of Transportation. Altitude 4 ft. Drilled 1957. Depth to water 0 ft.					
F111, brownstone 0 - 5 5			Silt, gray; little fibrous peat and roots 0 - 2.5 2.5					
Sand, gravel, and red clay (t111?) 5 - 16 11			Peat, soft, brown (fibrous with wood chips 2.5-20 ft); some silt (20-31 ft) 2.5 - 31 28.5					
Rock 16 - 21 5			Silt, soft, clayey; trace of organic material 31 - 34 3					
P 19 th. 413403N0723522.1. Jack Herlihey, Altitude 100 ft. Drilled 1972. Depth to water 35 ft. Drilled by U.S. Geol. Survey.			Silt, organic, brown, with fibers and wood chips 34 - 39.5 5.5					
Silt, red 0 - 1.5 1.5			Silt, clayey, gray 39.5 - 54 16.5					
Silt, sandy; trace fine red gravel 1.5 - 3 1.5			Sand, gray, fine; little silt (hard, red-brown t111?) 54 - 55.5 1.5					
Sand, fine to coarse, red; trace silt; trace fine gravel 3 - 18 7			Bottom of hole at 55.5					
Sand, very fine to medium, and red silt; trace coarse sand 18 - 25 45			P 25 th. 413411N0723657.1. Bureau of Highways, Dept. of Transportation. Altitude 4 ft. Drilled 1957.					
Sand, very fine to medium; some silt 25 - 70 45			Peat, fibrous, brown 0 - 27.5 27.5					
Sand, very fine to fine, and silt; varved 70 - 110 40			Silt, sandy, organic, dark gray 27.5 - 34.5 7					
Gravel 110 - 113 3			Silt, clayey, light gray 34.5 - 35.5 1					
Silt with thin layers of clay 113 - 118 5			Silt, organic, brown 35.5 - 41.5 6					
Bottom of hole at 118 3			Silt, clayey, gray 41.5 - 51 9.5					
P 20 th. 413408N0723502.1. B111 VanBeynum, Altitude 122 ft. Drilled 1972. Depth to water 41 ft. Drilled by U.S. Geol. Survey.			Sand, fine; gray; little to some silt 51 - 64 13					
Sand, very fine to medium, red, and silt 0 - 10 10			Sand, fine to coarse; some fine to medium gravel 64 - 65 1					
Sand, very fine to fine, red, and silt; some medium sand 10 - 13 3			Sand, fine, red-brown; some silt 65 - 66 1					
Silt and very fine, red sand 13 - 22 9			P 26 th. 413406N0723721.1. Bureau of Highways, Dept. of Transportation. Altitude 4 ft. Drilled 1957.					
Silt, red; some very fine sand 22 - 30 8			Peat, soft, brown 0 - 22.5 22.5					
Gravel, very fine, red, silt, and sand 30 - 33 3			Silt, organic, dark gray 22.5 - 23.5 1					
Silt and very fine to very coarse, red sand; some very fine gravel 33 - 41 12			Silt, organic, dark gray 23.5 - 24.5 1					
Sand, fine to medium, red, with silt layers 41 - 53 19			Bottom of hole at 24.5 1					
T111, gravelly, red 53 - 72 3			P 27 th. 413355N0723828.1. A. Tomaso, Inc. Altitude 15 ft. Drilled 1969. Depth to water 2 ft. Drilled unknown.					
Rock, weathered, blue-gray; clayey, micaceous material 72 - 75 3			Sand, fine to medium; trace of silt 0 - 12 12					
P 21 th. 413344N0723756.1. Bureau of Highways, Dept. of Transportation. Altitude 13 ft. Drilled 1967. Depth to water 10 ft.			Clay, silty, organic 12 - 31.5 19.5					
Sand, fine, greenish-tan, and silt 0 - 17 17			Clay and gray silt 31.5 - 45 13.5					
Sand, fine, gray-tan, with organic silt layers 17 - 48 31			Sand, fine to medium; gray; trace of silt 45 - 61.5 16.5					
Sand, fine to coarse, gray; trace of fine gravel; trace of silt (t111?) 48 - 65 17			Topsill; silt and clay 0 - 11 11					
Shale, red-brown 65 - 77.5 12.5			Sand, fine, light brown to gray 11 - 21 10					
P 22 th. 413349N0723752.1. Bureau of Highways, Dept. of Transportation. Altitude 6 ft. Drilled 1967. Depth to water 4 ft. Drilled by Newman E. Argaves & Assoc.			Silt and clay, dark gray; trace of fine sand 21 - 26 5					
Silt, tan 0 - 3 3			Sand, fine, gray 26 - 80 54					
Silt, organic, gray-tan; trace of roots and fibers; some fine sand; little clay 3 - 6.5 3.5			Sand, fine to medium, and fine to coarse gravel (t111?) 80 - 81 1					
Silt, clayey, gray 6.5 - 10 3.5			Refusal at 81					
Rock; decomposed shale 10 - 11.5 1.5								
Shale, red-brown, with arkose layers 11.5 - 21.5 10								
Town of Salem								
SH 2 th. 412711N0721726.1. Town of Salem. Altitude 205 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.			SH 3 th. 412741N0721737.1. Hiram Bingham, Jr. Altitude 210 ft. Drilled 1972. Depth to water 7 ft. Drilled by U.S. Geol. Survey.					
Silt, organic, gray-tan; trace of fibers and roots; some fine sand; 0 - 3 3			Gravel, very fine, dirty (t111?) 0 - 5 5					
Silt, organic, gray-tan; trace of roots and fibers; some fine sand; 3 - 6.5 3.5			Silt, gray; little very fine sand 5 - 20 15					
Silt, clayey, gray 6.5 - 10 3.5			Silt, brown, with layers of sand and fine gravel 20 - 27 7					
Rock; decomposed shale 10 - 11.5 1.5			Sand, fine, with layers of silt and sand 27 - 32 5					
Shale, red-brown, with arkose layers 11.5 - 21.5 10			T111, sandy, gray 32 - 38 6					
			Refusal at 38					

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

Town of Sale--Cont.	Depth (feet)	Thick-ness (feet)	Depth (feet)	Thick-ness (feet)	Depth (feet)	Thick-ness (feet)
Town of Westbrook						
SH 9 th, 412814N0721720.1, Bureau of Highways, Dept. of Transportation, Altitude 210 ft. Drilled 1957. Depth to water 3 ft. Drilled by L. S. Negman Co.			WE 1 th, 411730N0722642.1, Bureau of Highways, Dept. of Transportation, Altitude 21 ft. Drilled 1951.		WE 17 th, 411710N0722525.1, Connecticut Water Co., Altitude 8 ft. Drilled 1957. Depth to water 1 ft. Drilled by R. E. Chapman Co.	
Topsoil; black silt; trace of clay 0 - 3.5 3.5 Topsoil 0 - 1 1			Sand, fine to coarse, brown; trace of fine gravel; little silt 3.5 - 7 3.5 Sand and medium to coarse gravel 1 - 22 21		Peat 0 - 8 8	
Sand, fine to coarse, brown; trace of fine gravel; little silt 3.5 - 7 3.5 Sand and fine gravel, brown to gray 22 - 30.2 8.2			Sand, fine, brown, and sharp gravel (t111?) 30.2 - 40.3 10.1		Sand, fine, brown, and sharp gravel 8 - 37 29	
Sand, fine to coarse, brown, and fine to medium gravel 7 - 12 5 Hardpan and gray gravel (t111?) 30.2 - 40.3 10.1			Sand, fine, gray, and sharp gravel with clay (t111?) 37 - 47 10		Refusal at 47	
Sand, fine to coarse, brown, and fine to medium gravel; little silt 12 - 15 3 Rock, hard, gray 40.3 - 47 6.7			Refusal at 47			
Sand, fine to coarse, brown; trace of silt 15 - 20 5 WE 2 th, 411730N0722652.1, Bureau of Highways, Dept. of Transportation, Altitude 2 ft. Drilled 1955.			WE 18 th, 411953N0722729.1, Connecticut Water Co., Altitude 112 ft. Drilled 1950. Drilled by R. E. Chapman Co.			
Sand, fine to coarse, brown; some fine gravel; trace of silt 20 - 30 10 Meadow mat, black; some organic silt 0 - 5 5 Gravel, fine to medium 0 - 3 3			Sand, fine to coarse 3 - 27 24			
Sand, fine to coarse, brown; trace of coarse gravel; trace of silt 30 - 32 2 Sand, fine to coarse, brown; some fine to coarse gravel 7 - 23 16			Refusal at 27			
Sand, fine to coarse, brown, and fine to coarse gravel; little silt; trace of clay (t111?) 32 - 40 8 Sand, medium to coarse, brown, and fine to coarse gravel; very loose 23 - 32 9			WE 19 th, 411951N0722729.1, Connecticut Water Co., Altitude 114 ft. Drilled 1950. Drilled by R. E. Chapman Co.			
Sand, fine, brown, silt, and angular stone fragments (t111?) 40 - 41.5 1.5 Sand, fine to medium; trace coarse sand; trace silt; trace gravel (t111?) 32 - 41 9			Gravel, medium to coarse 0 - 8 8			
Rock, highly decomposed, dark gray 41.5 - 42.5 1 Refusal at 41 9			Clay 8 - 15 7			
Refusal at 42.5			Sand, medium to coarse 15 - 20 5			
SH 10 th, 412814N0721719.1, Bureau of Highways, Dept. of Transportation, Altitude 213 ft. Drilled 1957. Depth to water 4 ft. Drilled by L. S. Negman Co.			Refusal at 20			
Topsoil; black silt; trace of clay 0 - 4 4 WE 4 th, 411730N0722725.1, Bureau of Highways, Dept. of Transportation, Altitude 28 ft. Drilled 1955.			WE 22 th, 411921N0722555.1, Connecticut Water Co., Altitude 50 ft. Drilled 1950. Depth to water 3 ft. Drilled by R. E. Chapman Co.			
Gravel, fine to coarse, brown; some fine to coarse sand; little silt 4 - 9 5 Topsoil 0 - 1.5 1.5 Gravel, fine, and coarse sand 0 - 17 17			Sand, medium to coarse 17 - 47 30			
Sand, fine to coarse, brown; trace of silt 9 - 15 6 Sand, fine to medium, gray 15 - 19 4 Sand, coarse; some gravel 47 - 51 4			Sand, coarse; some gravel 47 - 51 4			
Sand, fine to coarse, brown; little fine to medium gravel; trace of silt 15 - 21 6 Sand, fine, gray; trace silt 19 - 33.2 14			Bottom of hole at 51			
Sand, fine to coarse, brown; trace of fine to medium gravel; trace of silt 21 - 30 9 WE 5 th, 411725N0722723.1, Bureau of Highways, Dept. of Transportation, Altitude 30 ft. Drilled 1955. Depth to water 11 ft.			WE 23 th, 411928N0722551.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 9 ft. Drilled by R. E. Chapman Co.			
Sand, fine to medium, gray; little coarse gravel; little silt 30 - 36 6 Topsoil 0 - 1 1 Gravel, medium 0 - 10 10			Sand, medium 10 - 37 27			
Gneiss, broken, pink and light gray 36 - 42 6 Sand, coarse, gray; fine gravel and rock fragments 16 - 19 3			Sand, fine to medium 37 - 86 49			
SH 11 th, 412812N0721722.1, Bureau of Highways, Dept. of Transportation, Altitude 210 ft. Drilled 1957. Depth to water 6 ft. Drilled by L. S. Negman Co.			Sand, medium to coarse 86 - 100 14			
Silt, organic, dark brown; little fine sand; trace of clay 0 - 5 5 WE 6 th, 411725N0722723.1, Bureau of Highways, Dept. of Transportation, Altitude 30 ft. Drilled 1955. Depth to water 11 ft.			Refusal at 100			
Gravel, fine to coarse, brown, and fine to coarse sand; trace of silt 5 - 8 3 Topsoil 0 - 1 1 WE 24 th, 411928N0722551.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 9 ft. Drilled by R. E. Chapman Co.						
Sand, fine, gray; trace of silt 8 - 23 15 Sand, medium to coarse, brown to gray; little fine sand 1 - 16 15 Gravel, medium 0 - 10 10			Sand, medium 10 - 37 27			
Sand, fine to coarse, gray; trace of silt 23 - 30.5 7.5 WE 7 th, 411733N0722940.1, Bureau of Highways, Dept. of Transportation, Altitude 27 ft. Drilled 1955. Depth to water 20 ft.			Sand, fine to medium 37 - 86 49			
Sand, fine, brown; trace of silt 30.5 - 38 7.5 WE 8 th, 411751N0722930.1, Bureau of Highways, Dept. of Transportation, Altitude 91 ft. Drilled 1957. Depth to water 5 ft.			Sand, medium to coarse 86 - 100 14			
Gneiss, pink and gray 58.7 - 64 20.7 Topsoil 0 - 1 1 WE 25 th, 411923N0722554.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 10 ft. Drilled by R. E. Chapman Co.			Refusal at 97			
WE 9 th, 411751N0722930.1, Bureau of Highways, Dept. of Transportation, Altitude 91 ft. Drilled 1957. Depth to water 5 ft.			Sand, fine to medium 0 - 7 7			
Silt, dark brown; little fine sand 0 - 2 2 Topsoil 0 - 0.5 0.5 WE 26 th, 411923N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			Sand, fine, and gravel 7 - 17 10			
Gravel, fine to coarse, brown, and fine to coarse sand 2 - 6 4 Sand, fine to medium, brown; some gravel, 0.5 - 9 8.5 Sand, fine 17 - 48 31			Sand, fine to medium 48 - 65 17			
Sand, fine to coarse, gray; trace of fine gravel; trace of silt 6 - 26 20 Sand, medium, brown, and gravel, 9 - 14 14 Sand, fine, and gravel 65 - 79 14			Sand, fine, and fine gravel 65 - 79 14			
Sand, fine, gray; little silt 26 - 34 8 WE 10 th, 411706N0722523.1, Connecticut Water Co., Altitude 10 ft. Drilled 1957. Depth to water 4 ft. Drilled by R. E. Chapman Co.			Sand, fine to medium 79 - 97 18			
Sand, fine, gray; trace of silt; 34 - 41 7 Sand, coarse, gravel, and rock fragments 14 - 22.5 8.5 WE 27 th, 411925N0722556.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			Refusal at 97			
Sand, fine, gray; trace of silt; 41 - 43 2 Topsoil 0 - 1 1 WE 11 th, 411708N0722522.1, Connecticut Water Co., Altitude 11 ft. Drilled 1957. Depth to water 5 ft. Drilled by R. E. Chapman Co.						
Sand, fine, brown-gray; some silt; trace of subangular stone fragments 43 - 50 7 WE 12 th, 411705N0722522.1, Connecticut Water Co., Altitude 9 ft. Drilled 1957. Drilled by R. E. Chapman Co.						
Sand, fine, gray; some silt; trace of subangular stone fragments 50 - 54 4 WE 13 th, 411708N0722522.1, Connecticut Water Co., Altitude 11 ft. Drilled 1957. Depth to water 5 ft. Drilled by R. E. Chapman Co.						
Sand, fine, brown; some silt; trace of angular to subangular stone fragments (t111?) 54 - 61 7 WE 14 th, 411706N0721647.1, Bureau of Highways, Dept. of Transportation, Altitude 228 ft. Drilled 1957. Depth to water 4 ft. Drilled by L. S. Negman Co.						
Rocky, soft, weathered, and badly broken pink to gray gneiss 61 - 74.5 13.5 WE 15 th, 411705N0722522.1, Connecticut Water Co., Altitude 8 ft. Drilled 1957. Depth to water 1 ft. Drilled by R. E. Chapman Co.						
WE 16 th, 411705N0722522.1, Connecticut Water Co., Altitude 8 ft. Drilled 1957. Depth to water 1 ft. Drilled by R. E. Chapman Co.						
Silt, brown; little fine sand 0 - 0.6 0.6 Topsoil 0 - 5 5 WE 17 th, 411919N0722553.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 5 ft. Drilled by R. E. Chapman Co.						
Sand, fine to coarse; some fine to medium gravel; trace of silt 0.6 - 2 1.4 Sand, medium, dirty 5 - 16 11			Sand, medium 0 - 10 10			
Sand, fine, gray; gray-brown, and silt; trace of fine gravel 2 - 29 27 Sand, fine 16 - 27 11			Sand, medium and fine gravel 10 - 27 17			
Sand, fine to coarse, brown, and fine to medium gravel; little silt (t111?) 29 - 40 11 Sand, packed, sharp (t111?) 27 - 32 5			Sand, medium 27 - 47 20			
Rock, hard, sandy 40 - 46.5 6.5 WE 18 th, 411702N0722521.1, Connecticut Water Co., Altitude 8 ft. Drilled 1957. Depth to water 1 ft. Drilled by R. E. Chapman Co.			Sand, fine 47 - 55 8			
Rock, hard, sandy 46.5 - 56.5 10 Peat 0 - 6 6 Sand, coarse, and fine gravel 55 - 62 7			Sand, medium 55 - 62 7			
			Refusal at 62			
			WE 19 th, 411926N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Gravel, packed, sharp (t111?) 33 - 41 8			
			Refusal at 11			
			WE 20 th, 411926N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, fine to medium 0 - 6 6			
			Gravel, packed, sharp (t111?) 26 - 35 9			
			Refusal at 35			
			WE 21 th, 411925N0722556.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, medium to coarse 0 - 10 10			
			Sand, medium 10 - 37 27			
			Sand, fine to medium 37 - 47 10			
			Sand, medium 47 - 54 7			
			Sand, medium to coarse, packed, and gravel (t111?) 54 - 62 8			
			Refusal at 62			
			WE 22 th, 411926N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, fine to medium 0 - 6 6			
			Gravel, packed, sharp (t111?) 6 - 11 5			
			Refusal at 11			
			WE 23 th, 411925N0722556.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, medium to coarse 0 - 10 10			
			Sand, medium 10 - 37 27			
			Sand, fine to medium 37 - 47 10			
			Sand, medium 47 - 54 7			
			Sand, medium to coarse, packed, and gravel (t111?) 54 - 62 8			
			Refusal at 62			
			WE 24 th, 411926N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, fine to medium 0 - 6 6			
			Gravel, packed, sharp (t111?) 6 - 11 5			
			Refusal at 11			
			WE 25 th, 411925N0722556.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, medium to coarse 0 - 10 10			
			Sand, medium 10 - 37 27			
			Sand, fine to medium 37 - 47 10			
			Sand, fine, and fine gravel 48 - 65 17			
			Sand, fine, and gravel 65 - 79 14			
			Sand, fine to medium 79 - 97 18			
			Refusal at 97			
			WE 26 th, 411923N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, fine to medium 0 - 7 7			
			Sand, fine, and gravel 7 - 17 10			
			Sand, fine 17 - 48 31			
			Sand, fine to medium 48 - 65 17			
			Sand, fine, and fine gravel 65 - 79 14			
			Sand, fine to medium 79 - 97 18			
			Refusal at 97			
			WE 27 th, 411925N0722556.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, medium to coarse 0 - 10 10			
			Sand, medium 10 - 37 27			
			Sand, fine to medium 37 - 47 10			
			Sand, medium 47 - 54 7			
			Sand, medium to coarse, packed, and gravel (t111?) 54 - 62 8			
			Refusal at 62			
			WE 28 th, 411926N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, fine to medium 0 - 6 6			
			Gravel, packed, sharp (t111?) 6 - 11 5			
			Refusal at 11			
			WE 29 th, 411926N0722558.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, fine to medium 0 - 6 6			
			Gravel, packed, sharp (t111?) 6 - 11 5			
			Refusal at 11			
			WE 30 th, 411927N0722556.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 6 ft. Drilled by R. E. Chapman Co.			
			Sand, medium to coarse 0 - 19 19			
			Sand, medium 19 - 35 16			
			Sand, fine to medium 35 - 47 12			
			Refusal at 47			
			WE 31 th, 411919N0722553.1, Connecticut Water Co., Altitude 50 ft. Drilled 1952. Depth to water 5 ft. Drilled by R. E. Chapman Co.			
			Sand, medium 0 - 10 10			
			Sand, medium, and fine gravel 10 - 27 17			
			Sand, medium 27 - 47 20			
			Sand, fine 47 - 55 8			
			Sand, coarse, and fine gravel 55 - 62 7			
			Refusal at 62			

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

Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)
Town of Westbrook--Cont.					
WE 32 th, 411903N0722603.1, Connecticut Water Co., Altitude 28 ft. Drilled 1969. Depth to water +1 ft. Drilled by R. E. Chapman Co.		WE 40 th, 411905N0722556.1, Connecticut Water Co., Altitude 30 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.		WE 55 th, 411730N0722647.1, Bureau of Highways, Dept. of Transportation. Altitude 3 ft. Drilled 1955. Drilled by Warren George Drilling Co.	
Peat and muck 0 - 14 14		Sand, fine to medium 0 - 30 30		Meadow mat 0 - 2 2	
Sand, red, and small gravel 14 - 28 14		Sand, medium to coarse 30 - 50 20		Silt, organic 2 - 7 5	
Sand, fine, brown 28 - 45 17		Sand, fine to coarse, and fine gravel 50 - 60 10		Sand, fine; trace of silt 7 - 17 10	
Sand, medium, brown, and small gravel 45 - 60 15		Sand, fine to medium 60 - 70 10		Sand, coarse, and large gravel 17 - 36 19	
Sand, fine, gray; trace of clay 60 - 70 10		Sand, fine to medium, and fine gravel 70 - 84 14		(Till?) 36 - 40 4	
Silt, fine, gray 70 - 76 6		Refusal at 84		Refusal at 40	
Refusal at 76					
WE 33 th, 411902N0722604.1, Connecticut Water Co., Altitude 27 ft. Drilled 1969. Depth to water +1 ft. Drilled by R. E. Chapman Co.		WE 41 th, 411908N0722558.1, Connecticut Water Co., Altitude 29 ft. Drilled 1960. Depth to water +1 ft. Drilled by R. E. Chapman Co.		WE 56 th, 411731N0722656.1, Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1973.	
Peat 0 - 21 21		Peat and clay 0 - 24 24		Meadow mat 0 - 7 7	
Sand, red, and small gravel 21 - 26 5		Sand; some gravel 24 - 32 8		Sand, fine to reduced, dark gray 7 - 10 3	
Sand, fine, brown, and silt 26 - 35 9		Sand 32 - 48 16		Sand, fine, highly ripaceous; some silt 10 - 15 5	
Silt, fine, brown 35 - 50 15		Sand, fine to medium 48 - 56 8		Sand, fine, brown 15 - 26 11	
Silt, fine, brown, and clay 50 - 61 11		Sand, fine to medium, and small gravel 56 - 68 12		Sand, fine to coarse; some fine to coarse gravel 26 - 30 4	
Refusal at 61		Sand, fine to medium 68 - 74 6		Sand, fine; trace of medium sand; little fine to coarse gravel and boulders (Till?) 30 - 36 6	
		Refusal at 84		Rock, decomposed 36 - 38.5 2.5	
WE 34 th, 411909N0722604.1, Connecticut Water Co., Altitude 28 ft. Drilled 1969. Depth to water 1 ft. Drilled by R. E. Chapman Co.		WE 42 th, 411906N0722604.1, Connecticut Water Co., Altitude 28 ft. Drilled 1960. Depth to water +1 ft. Drilled by R. E. Chapman Co.		Refusal at 38.5	
Peat 0 - 4 4		Sand and gravel 0 - 24 24			
Sand, red, and small gravel 4 - 20 16		Sand, brown 24 - 40 16			
Sand, sharp, brown, and small gravel 20 - 35 15		Sand, gray 40 - 56 16			
Sand, silty, brown, and small gravel 35 - 45 10		Gravel, small, and sand 56 - 82 26			
Sand, medium, brown 45 - 60 15		Sand and sharp gravel 82 - 90 8			
Sand, medium, brown, and small gravel 60 - 70 10		Sand 90 - 98 8			
Sand, silty, brown 70 - 85 15		Sand, fine 98 - 105 7			
Sand, silty, brown, and clay 85 - 108 23		Sand, fine, and clay 105 - 110 5			
Refusal at 103		Sand, fine, and sharp gravel (Till?) 110 - 119 9			
		Refusal at 119			
WE 35 th, 411905N0722603.1, Connecticut Water Co., Altitude 27 ft. Drilled 1969. Depth to water 1 ft. Drilled by R. E. Chapman Co.		WE 44 th, 411955N0722724.1, Connecticut Water Co., Altitude 107 ft. Drilled 1960. Drilled by R. E. Chapman Co.		WE 57 th, 411731N0722707.1, Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1955. Depth to water 0 ft. Drilled by Warren George Drilling Co.	
Peat 0 - 21 21		Gravel, fine to medium 0 - 10 10		Water 0 - 1 1	
Sand, gray, and small gravel 21 - 26 5		Sand, fine, and clay 10 - 16 6		Peat, decayed meadow rat; trace of fine gravel and fine sand 1 - 4 3	
Sand, red 26 - 33 7		Gravel and clay (Till?) 16 - 20 4		Sand, fine; trace fine gravel; gray-brown 4 - 12 8	
Sand, fine, brown 33 - 40 7		Refusal at 20		Sand, fine to medium, gray-brown; trace of fine gravel 12 - 17 5	
Sand, fine, tightly packed, brown 40 - 53 13		WE 45 th, 411957N0722726.1, Connecticut Water Co., Altitude 108 ft. Drilled 1960. Drilled by R. E. Chapman Co.		Sand, fine, gray-brown 17 - 20 3	
Sand, fine to medium, brown 53 - 62 9		Gravel, fine to medium 0 - 7 7		Sand, fine to coarse, gray; trace fine gravel 20 - 26 6	
Sand, fine, brown 62 - 75 13		Sand and clay 7 - 23 16		Sand, fine to medium, gray-brown; some fine to medium gravel 26 - 29 3	
Refusal at 83		Refusal at 23		Rock fragments, soft 29 - 30 1	
WE 36 th, 411906N0722559.1, Connecticut Water Co., Altitude 30 ft. Drilled 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.		WE 46 th, 411956N0722731.1, Connecticut Water Co., Altitude 110 ft. Drilled 1960. Drilled by R. E. Chapman Co.		WE 58 th, 411729N0722734.1, Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1955. Depth to water 27 ft. Drilled by Warren George Drilling Co.	
Sand, fine 0 - 30 30		Gravel, fine to medium 0 - 10 10		Topsoil 0 - 1 1	
Gravel, medium to coarse 30 - 40 10		Sand, fine to medium 10 - 25 15		Sand, fine; trace of gravel 1 - 4 3	
Sand, medium to coarse 40 - 50 10		Refusal at 25		Sand, fine, gray-brown; little silt 4 - 9 5	
Sand, medium to coarse, and fine gravel 50 - 60 10		WE 47 th, 411824N0722617.1, Connecticut Water Co., Altitude 20 ft. Drilled 1957. Drilled by R. E. Chapman Co.		Sand, fine, brown; some silt 9 - 14 5	
Sand, medium to coarse 60 - 80 20		Gravel, fine to medium 0 - 10 10		Silt 14 - 23 9	
Refusal at 80		Sand, fine to medium 10 - 25 15		Sand, fine, gray; little silt 23 - 27 4	
WE 37 th, 411904N0722600.1, Connecticut Water Co., Altitude 30 ft. Drilled 1960. Depth to water 2 ft. Drilled by R. E. Chapman Co.		Refusal at 20		Silt, gray; some sand; trace of clay 27 - 38 11	
Loam, black 0 - 4 4		WE 48 th, 411826N0722618.1, Connecticut Water Co., Altitude 20 ft. Drilled 1957. Drilled by R. E. Chapman Co.		Silt, organic, fine, with layers of medium brown sand 38 - 43 5	
Gravel, fine to medium 4 - 12 8		Sand, fine to medium 0 - 20 20		Sand, fine to medium, brown; little silt 43 - 47 4	
Sand, medium to coarse 12 - 17 5		Refusal at 20		Refusal at 47	
Sand, fine to medium, and gravel 17 - 70 53		WE 49 th, 411821N0722619.1, Connecticut Water Co., Altitude 18 ft. Drilled 1957. Drilled by R. E. Chapman Co.		WE 59 th, 411729N0722741.1, Bureau of Highways, Dept. of Transportation. Altitude 34 ft. Drilled 1955. Depth to water 1 ft. Drilled by Warren George Drilling Co.	
Sand, medium to coarse, and gravel 70 - 85 15		Gravel, coarse 0 - 14 14		Topsoil, vegetation, and organic silt 0 - 2 2	
Refusal at 85		Refusal at 14		Sand, fine, brownish-gray; little silt; little fine gravel 2 - 4 2	
WE 38 th, 411903N0722601.1, Connecticut Water Co., Altitude 30 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.		WE 50 th, 411820N0722602.1, Connecticut Water Co., Altitude 28 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.		Sand, fine, brownish-gray; trace of coarse sand; trace of fine gravel 4 - 8 4	
Loam 0 - 2 2		Gravel, coarse 0 - 14 14		Sand, fine, grayish-brown; little silt 8 - 11 3	
Gravel, fine to medium 2 - 10 8		Refusal at 14		Silt, grayish-brown; trace fine sand; streaks of red clay 11 - 17 6	
Sand, fine to medium 10 - 50 40		WE 51 th, 411908N0722602.1, Connecticut Water Co., Altitude 28 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.		Sand, medium to coarse, grayish-brown, and fine to medium gravel, with rock fragments (Till?) 17 - 26 9	
Gravel, medium to coarse 50 - 71 21		Peat 0 - 20 20		Refusal at 26	
Refusal at 71		Sand, fine, yellow, and sharp gravel 20 - 35 15			
WE 39 th, 411901N0722602.1, Connecticut Water Co., Altitude 30 ft. Drilled 1960. Depth to water 2 ft. Drilled by R. E. Chapman Co.		Sand, fine, yellow 35 - 50 15			
Gravel, fine to medium 0 - 10 10		Sand, fine, yellow, and clay 50 - 60 10			
Gravel, medium to coarse 10 - 25 15		Sand, fine, yellow, and sharp gravel 60 - 76 16			
Gravel, fine to medium 25 - 44 19		Sand, silty, yellow, and clay 76 - 84 8			
Refusal at 44		Refusal at 84			
WE 40 th, 411904N0722602.1, Connecticut Water Co., Altitude 30 ft. Drilled 1960. Depth to water 2 ft. Drilled by R. E. Chapman Co.		WE 52 th, 411910N0722600.1, Connecticut Water Co., Altitude 30 ft. Drilled 1960. Depth to water +1. Drilled by R. E. Chapman Co.			
Gravel, fine to medium 0 - 10 10		Peat 0 - 25 25			
Gravel, medium to coarse 10 - 25 15		Sand, fine, yellow, and clay 25 - 40 15			
Gravel, fine to medium 25 - 44 19		Sand, silty, yellow 40 - 60 20			
Refusal at 44		Sand, fine, yellow; some gravel and clay (Till?) 60 - 80 20			
		Sand, fine, yellow, and small gravel (Till?) 80 - 90 10			
		Refusal at 90			

Table 4.---Grain-size analyses of samples of unconsolidated deposits

All samples are disturbed but uncontaminated. They were collected from a split-spoon sampler or auger flights in U.S. Geological Survey test holes. The test hole locations are shown on plate A and the logs are in table 3. All analyses and calculations were made at the Denver Hydrologic Laboratory of the U.S. Geological Survey.

Test hole number: See text for explanation of numbering system.

Location number: See text for explanation.

Depth sampled: Interval in feet below land surface from which sample was taken.

Grain-size distribution in percent of total weight: Size intervals are those of the Wentworth scale (shown at the beginning of table 3).

Median grain size: The grain size at which 50 percent of the material is coarser and 50 percent finer. The size is read from a graph at the midpoint of the cumulative distribution curve.

Uniformity coefficient: A sorting index based on the cumulative distribution curve at the 10 percent and 60 percent points. The coefficient is determined by dividing the grain size at which 60 percent of the sample is finer by the grain size at which 10 percent is finer.

Test hole no.	Location no.	Depth sampled (ft)	Grain-size distribution in percent of total weight							Median grain size (cm)	Uniformity coefficient
			Clay and silt (<0.0625 mm)	Very fine sand (0.0625-0.125 mm)	Fine sand (0.125-0.25 mm)	Medium sand (0.25-0.5 mm)	Coarse sand (0.5-1.0 mm)	Very coarse sand (1.0-2.0 mm)	Gravel (>2.0 mm)		
<u>Town of Berlin</u>											
B 74 th	413515N0724622,1	12.0-13.0 32.0-33.0	20.5 18.9	0.2 2.1	5.4 6.5	8.7 23.5	15.1 39.5	6.8 6.7	42.3 2.8	1.0 .48	410 100
<u>Town of Colchester</u>											
CO 85 th	413515N0722310,1	17.0-17.8 42.3-43.6 52.0-52.3 52.3-52.9 67.0-68.6 80.0-80.6	46.8 55.6 38.4 49.6 61.3 17.6	38.1 25.9 21.0 36.1 12.4 10.4	13.4 13.4 30.1 13.1 20.5 14.3	1.7 .8 8.7 1.0 4.2 8.5	.2 .8 1.4 .2 1.4 2.5	0 0 0 0 0 36.6	0 0 0 0 0 .43	.07 .05 .09 .06 .05 .31	4.4 4.8 4.2 3.2 3.1 31
CO 86 th	413445N07222143,1	48.3-48.6 52.0-52.6 52.6-53.3 62.0-62.3 67.0-67.9	12.3 4.2 13.7 46.1 18.3	16.3 2.1 23.8 41.8 27.9	20.7 4.6 68.9 10.6 38.3	16.5 14.2 12.4 .9 12.0	27.5 56.1 1.2 .6 3.2	6.8 18.8 0 0 .2	0 0 0 0 0	.26 .68 .15 .07 .13	11 3.5 4.0 5.2 4.6
CO 87 th	413559N0722202,1	22.0-23.4 32.0-33.6 37.0-38.4	17.7 19.8 27.8	.3 30.3 19.4	41.0 36.1 45.4	26.6 9.7 6.4	9.2 2.7 .8	1.4 .2 .2	3.9 1.2 0	.21 .12 .13	5.7 4.3 4.4
CO 88 th	413537N07222017,1	42.0-42.9 52.0-52.9 62.0-62.3 72.0-72.6	5.6 8 6.1 2.8	6.2 7.5 5.6 2.6	33.6 33.2 33.2 12.4	33.0 33.2 12.6 11.9	13.6 20.7 14.3 9.6	3.4 3.4 8.3 7.0	4.7 1.3 39.2 53.8	.28 .30 .88 2.4	3.3 2.8 18 25
CO 89 th	413529N07222020,1	22.0-23.6 32.0-33.0	14.2 19.7	26.7 25.2	48.1 44.7	9.5 3.6	1.4 .8	0 0	0 0	.14 .14	3.7 4.5
CO 90 th	413249N07222015,1	2.0-7.9 47.0-47.1	20.3 47.5	31.9 .5	33.7 33.3	12.4 16.3	1.6 1.9	0 .5	0 0	.12 .13	5.7 23
<u>Town of East Haddam</u>											
EHD 2 th	413042N0722859,1	7.0-7.6 22.0-22.4 32.0-32.4	13.2 9.8 10.5	5.4 4.3 5.5	20.3 8.8 9.6	36.9 9.1 9.7	18.4 9.4 10.0	3.5 10.3 9.3	2.5 48.3 45.4	.31 1.8 1.4	7.9 46 44
EHD 5 th	413023N0722433,1	12.0-12.5 17.0-17.9 22.2-27.4 27.1-27.9 37.0-37.6 42.0-43.6 52.0-52.3 77.8-78.6 87.4-87.8 88.3-88.6 102.0-102.6	2.4 12.3 4.0 11.8 6.3 5.0 10.9 12.7 12.5 10.9 9.8 9.2 7.2 31.6 14.2	4.8 5.9 7.6 25.9 9.3 9.3 19.9 19.9 12.7 41.8 32.1 17.9 29.4 5.1 17.1 6.0	19.2 17.6 32.4 53.8 9.3 50.3 19.9 26.0 27.4 41.8 32.1 17.9 29.4 9.2 18.9 15.7	22.4 17.0 32.0 32.0 9.9 22.0 19.9 26.0 3.6 5.5 32.1 12.0 1.8 5.5 1.8 10.1 13.8	40.1 18.6 20.1 14.3 5.9 3.6 2.7 1.7 1.7 1.0 1.0 1.8 1.0 1.0 1.0 10.6 14.2	9.5 18.6 3.2 4.1 5.9 3.6 2.7 1.7 1.7 1.0 1.0 1.8 1.0 1.0 1.0 10.6 14.2	.51 .45 0 24.5 1.0 1.0 0 0 0 0 0 0 0 0 0 0 0	4.4 2.8 3.4 5.6 5.6 2.6 2.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	3.3 2.8 18 25
EHD 7 th	413049N0722328,1	27.0-28.4 37.0-38.6	25.6 45.7	26.1 30.3	36.6 18.0	8.5 4.2	2.6 1.6	.6 .2	0 0	.12 .07	5.8 7.0
EHD 8 th	412615N07222020,1	16.5-17.0	13.2	6.9	11.5	13.1	11.3	7.4	7.4	.69	38
EHD 9 th	412627N0722005,1	22.0-22.2 22.2-22.6 37.0-37.4 37.4-37.6	6 5.8 12.3 12.1	1.6 3.4 1.7 1.7	3.9 9.7 11.3 33.0	7.7 23.6 12.1 32.9	16.5 40.6 10.7 7.7	24.4 9.9 6.5 3.3	46.3 6.8 45.3 4.5	1.8 .57 1.2 .21	7.0 5.1 52 6.1
EHD 10 th	412608N0722034,1	7.0-7.6 17.0-17.9 22.0-22.5 22.5-22.9	1.3 7 30.8 3.7	2.5 7 16.1 7.3	15.2 9.0 42.9 19.5	35.2 24.5 9.7 32.9	33.0 41.2 4.4 19.0	10.0 17.3 2.2 7.1	3.0 6.4 0 10.4	.46 .64 0 38	3.4 3.2 4.2 4.1
EHD 11 th	412659N0722740,1	17.0-18.6 22.0-22.9 32.0-33.0 42.0-42.6	13.8 11.6 12.4 25.8	23.1 15.9 7.6 18.3	59.0 46.8 14.4 24.3	3.8 5.6 4.7 7.1	.4 5.6 11.7 6.4	0 3.2 10.8 3.0	0 2.4 41.1 15.1	.15 .17 1.1 .15	3.5 4.9 61 13
EHD 12 th	413348N0723144,1	12.0-13.6 27.0-27.5 29.5-33.0	24.0 9.6 32.5	29.4 6.2 12.1	42.0 10.2 19.6	4.4 8.4 8.8	.2 12.2 4.6	0 9.5 2.4	0 43.8 20.1	.12 1.3 .15	8.5 36 13
G 69 th	411726N0724026,1	7.0-8.6 22.0-22.2 27.0-27.3	14.9 3.7 2.5	4.6 18.1 11.6	9.7 50.2 36.1	12.5 17.7 9.9	9.9 2.8 4.4	5.6 4.4 2.3	42.7 7.2 33.2	.89 .18 .25	71 2.7 5.1

Table 4.--Grain-size analyses of samples of unconsolidated deposits--Continued

Test hole no.	Location no.	Depth sampled (ft)	Grain-size distribution in percent of total weight								Median grain size (μ)	Uniformity coefficient
			Clay and silt (<0.0625 mm)	Very fine sand (0.0625 – 0.125 mm)	Fine sand (0.125 – 0.25 mm)	Medium sand (0.25 – 0.5 mm)	Coarse sand (0.5 – 1.0 mm)	Very coarse sand (1.0 – 2.0 mm)	Gravel (>2.0 mm)			
HD 19 th	412658N0722756.1	27.0–28.6	34.5	17.5	22.5	14.3	9.5	1.6	0	0.12	20	
		42.0–42.3	13.2	4.2	9.2	21.8	31.8	7.3	12.6	.52	33	
		42.3–42.6	40.0	18.0	23.0	11.2	6.8	1.0	0	.09	11	
		52.0–52.4	10.3	4.3	7.1	6.7	10.7	24.7	36.2	1.4	30	
		52.4–52.8	14.4	5.2	16.5	23.1	26.2	5.3	9.3	.38	14	
		67.0–67.4	8.3	2.0	4.5	7.5	31.0	39.8	6.9	.93	9.9	
		67.4–67.8	9.4	2.9	7.2	10.9	21.6	8.1	39.9	.94	27	
		82.0–82.3	.3	.3	3.7	28.2	53.9	10.6	3.0	.63	2.5	
		82.3–82.7	1.9	1.3	1.8	2.9	18.3	61.6	12.2	1.3	2.7	
		82.7–83.6	8.9	3.9	8.2	12.7	20.4	22.4	23.6	.87	16	
		97.0–98.6	16.8	7.0	10.5	13.6	51.0	1.1	0	.51	16	
		111.5–112.0	13.3	4.6	11.1	22.5	34.1	10.0	4.4	.48	17	
HD 20 th	412742N0723351.1	12.0–12.3	.2	1.1	7.1	23.2	28.0	10.6	29.6	.79	3.9	
		22.0–22.6	1.6	2.7	13.2	25.4	28.5	8.0	20.5	.59	4.5	
		32.0–32.6	.7	.4	2.3	4.5	7.1	23.1	61.9	2.6	5.2	
		47.0–47.5	14.6	17.9	28.3	16.0	14.0	5.4	3.9	.19	5.5	
		57.0–57.6	15.7	18.0	26.5	20.5	15.0	1.5	2.7	.19	5.8	
		66.5–67.0	22.6	10.1	18.3	14.3	16.2	5.6	12.9	.24	27	
HD 21 th	413025N0723259.1	28.4–28.6	18.2	9.4	13.3	8.3	29.5	14.4	6.9	.51	50	
		37.0–38.6	17.9	16.9	34.5	11.8	12.6	3.7	2.5	.17	13	
		47.0–47.5	12.9	8.1	16.8	10.0	22.5	15.9	13.9	.54	17	
		62.0–62.5	9.8	1.7	6.5	27.1	37.9	11.5	.98	.18		
		77.0–77.7	19.1	.1	8.5	10.7	28.6	14.6	18.5	.66	25	
		77.7–77.9	23.8	27.5	38.6	4.7	2.9	1.0	1.4	.12	16	
		92.0–93.6	25.7	7.1	45.7	8.2	12.1	1.1	0	.16	5.0	
		110.0–110.6	34.5	10.3	16.3	8.9	5.3	2.8	21.9	.16	65	
HD 22 th	413021N0723232.1	22.0–22.6	10.0	5.4	15.2	18.0	19.2	6.5	25.6	.53	12	
		62.0–63.6	50.9	21.6	20.2	2.6	.7	.2	3.8	.06	10	
		77.0–78.5	58.0	25.6	10.5	2.0	1.2	.4	2.4	.05	6.1	
		85.0–85.6	5.6	.2	27.9	56.3	9.8	.2	0	.31	2.5	
HD 23 th	412907N0723100.1	12.0–12.6	9.0	3.5	11.0	9.1	12.3	10.5	44.7	1.4	38	
		17.0–18.6	1.3	1.8	3.8	7.3	49.5	31.8	4.4	.83	2.8	
		27.0–27.4	12.0	5.1	8.3	5.8	10.0	7.1	51.7	2.1	76	
		42.0–43.6	10.1	4.0	6.4	7.6	8.9	12.7	50.3	2.0	45	
		57.0–58.6	5.8	2.0	6.2	6.0	8.5	4.0	67.5	5.3	52	
		72.0–73.6	7.0	41.0	33.1	11.3	2.3	.6	4.8	.13	2.4	
		87.0–88.6	2.1	17.0	50.3	25.3	5.1	.2	0	.19	2.5	
		110.0–110.6	34.5	10.3	16.3	8.9	5.3	2.8	21.9	.16	65	
		17.0–17.3	5.3	11.9	48.2	26.9	7.0	.7	0	.20	2.8	
		17.3–17.6	2.4	5.3	10.4	16.9	43.8	17.3	3.8	.63	5.1	
HB 2 th	413651N0722054.1	17.6–18.0	2.8	6.0	23.1	30.5	27.0	8.3	2.4	.38	3.7	
		12.0–13.4	.7	2.9	16.5	30.4	42.2	5.7	1.6	.50	3.6	
		13.4–13.6	5.5	3.0	19.9	34.5	26.0	3.9	7.2	.39	3.6	
		22.0–22.9	1.8	3.2	12.4	23.7	52.1	5.5	1.2	.56	3.9	
		22.9–23.0	6.1	6.3	18.3	21.9	19.7	4.5	23.3	.46	6.8	
HB 4 th	413604N0722057.1	32.0–32.3	1.6	3.4	13.4	12.7	9.8	8.6	50.6	2.1	23	
		32.3–32.6	7.8	12.5	49.2	21.4	3.4	1.9	3.8	.19	3.1	
		42.0–42.9	13.1	4.1	14.6	14.3	11.2	4.8	38.0	.64	33	
		103.5–104.0	4.9	3.9	18.5	10.8	6.3	2.8	52.9	3.0	48	
		37.0–38.6	1.4	18.5	71.5	8.0	.6	0	0	.17	2.1	
L 1 th	412211N0722140.1	52.0–53.0	13.4	21.4	60.4	4.6	.2	0	0	.15	3.3	
		67.0–68.6	52.6	30.2	16.2	1.0	0	0	0	.06	4.6	
		87.0–88.6	18.0	25.2	49.8	6.6	.4	0	0	.14	4.3	
		103.5–104.0	4.9	3.9	18.5	10.8	6.3	2.8	52.9	3.0	48	
		27.0–27.9	6.4	7.7	61.7	22.3	2.0	0	0	.19	2.4	
		37.0–38.6	2.8	2.1	39.8	43.7	11.5	0	0	.27	2.3	
		47.0–47.6	.9	2.6	45.6	38.2	8.0	1.1	3.7	.25	2.2	
		67.0–69.6	3.6	.4	54.6	35.8	5.6	0	0	.22	1.9	
		82.0–82.6	7.0	7.9	39.7	39.5	5.9	0	0	.23	3.4	
		90.0–90.6	40.8	18.6	23.3	16.9	.4	0	0	.09	9.9	
MA 29 th	411728N0723659.1	97.0–97.6	18.8	18.4	55.1	7.6	.2	0	0	.15	9.0	
		105.0–105.6	16.4	23.0	48.8	10.3	1.4	0	0	.15	4.8	
		111.5–112.0	7.3	22.6	54.1	14.1	2.0	0	0	.16	2.7	
		12.0–13.6	6.9	7.0	14.3	14.9	10.5	4.4	52.6	2.6	63	
		31.5–32.0	4.8	9.0			1.5	1.3	.07			
		50.0–51.5			45.3	2.2	.4	0	.24			
		51.5–52.0			17.1	2.3	.4	0	.17			
HB 11 th	413843N0722853.1	32.0–32.3	20.3	38.6	30.2	4.7	2.8	2.2	1.3	.11	4.7	
		32.3–32.6	8.9	7.0	15.4	17.5	22.6	10.9	17.6	.52	10	
		37.0–37.4	10.2	3.5	21.1	37.3	23.3	2.8	1.9	.33	6.5	
		8.5			12.9	21.6	10.3	25.1	.63			
		6.0			9.0	19.2	9.0	46.2	1.5			
OL 38 th	412130N0721823.1	17.0–17.8	1.8	8.4	23.1	11.0	15.4	14.8	25.5	.65	8.2	
		17.8–18.6	8.7	32.9	50.0	6.5	1.6	.2	0	.14	2.5	
		27.0–27.5	7.4	6.5	15.3	9.3	9.1	5.7	46.7	1.3	39	
		27.5–27.9	32.0	40.7	24.4	1.8	.8	.4	0	.08	4.7	
		7.0			5.9	32.9	47.9	10.7	1.9	.58	2.5	
OL 39 th	412134N0724455.1	13.0–13.6	5.3	3.2	8.0	15.7	15.6	3.1	49.2	1.7	28	
		22.0–22.3	1.2	1.6	3.3	7.6	19.6	6.1	60.5	3.9	17	
		22.3–22.5	14.3	8.9	16.2	15.1	19.1	6.8	19.7	.41	15	
		32.0–32.2	2.5	2.6	6.2	8.5	21.2	11.4	47.6	1.7	14	
		42.2–42.4	25.9	5.8	14.4	15.1	13.1	6.6	19.1	.30	81	
		12.0–13.0	.7	0	5.9	32.9	47.9	10.7	1.9	.58		
		13.0–13.6	5.3	3.2	8.0	15.7	15.6	3.1	49.2	1.7		
		22.0–22.3	1.2	1.6	3.3	7.6	19.6	6.1	60.5	3.9		
		22.3–22.5	14.3	8.9	16.2	15.1	19.1	6.8	19.7	.41		
		32.0–32.2	2.5	2.6	6.2	8.5	21.2	11.4	47.6	1.7		
		42.2–42.4	25.9	5.8	14.4	15.1	13.1	6.6	19.1	.30		

Table 4.--Grain-size analyses of samples of unconsolidated deposits--Continued

Test hole no.	Location no.	Depth sampled (ft)	Grain-size distribution in percent of total weight						Median grain size (mm)	Uniformity coefficient
			Clay and silt (<0.0625 mm)	Very fine sand (0.0625-0.125 mm)	Fine sand (0.125-0.25 mm)	Medium sand (0.25-0.5 mm)	Coarse sand (0.5-1.0 mm)	Very coarse sand (1.0-2.0 mm)		
<u>Town of Old Lyme</u> --Cont.										
OL 40	411845N0721815.1	12.0-12.6	3.5	1.7	5.5	7.7	13.0	3.9	64.5	8.4
		17.0-17.9	11.1	4.7	12.9	23.5	27.4	7.1	13.4	.47
		27.0-28.6	16.2	10.0	18.7	17.7	23.3	5.1	8.9	.31
		37.0-37.2	6.2	2.6	10.0	14.3	20.4	8.4	38.2	.89
		37.2-37.5	15.1	13.8	41.9	25.3	2.2	1.6	0	.18
OL 41	412001N0721848.1	7.0-7.6	6.4	1.7	4.8	18.0	27.3	20.0	21.9	.81
		17.0-18.6	1.1	6.5	38.8	45.1	8.6	0	0	.26
		27.0-27.9	6.1	6.5	35.9	46.1	5.3	.2	0	.26
		37.0-37.3	.8	4.7	34.8	49.7	9.1	1.0	0	.29
		37.3-38.0	28.3	27.9	33.8	9.4	.6	0	0	.11
OL 42	411958N0721922.1	17.0-18.0	46.9	31.4	17.2	2.6	1.6	.4	0	.07
		32.0-33.3	41.6	6.4	12.7	10.2	8.5	5.0	15.5	.14
<u>Town of Old Saybrook</u>										
OS 48	411905N0722127.1	27.0-28.6	14.0	21.4	32.5	17.2	14.0	1.0	0	.17
		37.0-38.0	37.7	24.1	35.0	2.5	.6	0	0	.09
		52.0-52.4	5.6	42.5	45.5	5.8	.4	.2	0	.13
		52.4-52.9	.6	1.1	6.4	13.1	23.8	31.0	23.7	1.1
		52.9-53.3	9.8	5.8	13.2	16.1	14.6	7.9	32.7	.64
		62.0-62.4	2.2	4.9	14.9	26.4	27.3	10.5	13.8	.52
		62.4-62.8	7.6	6.7	10.8	12.4	15.1	8.0	39.6	.89
		70.0-75.0	16.0	7.5	16.9	16.3	19.9	8.2	15.1	.38
<u>Town of Portland</u>										
P 19	413403N0723522.1	42.0-43.6	9.9	4.4	28.5	50.8	6.4	0	0	.28
		57.0-58.6	15.8	2.9	25.7	41.5	13.5	.6	0	.27
		97.0-98.3	25.4	16.9	31.1	18.6	7.4	.8	0	.15
		98.3-98.6	25.0	.7	15.7	32.1	24.5	2.1	0	.30
P 20	413408N0723502.1	42.0-43.4	11.0	6.0	19.7	47.9	15.1	.4	0	.30
<u>Town of Salem</u>										
SH 3	412741N0721737.1	12.0-12.4	8.9	5.2	9.1	8.9	7.3	6.2	54.5	2.6
		47.0-47.4	7.2	4.9	9.2	9.1	9.9	7.3	52.3	2.4
		47.4-47.7	11.7	6.1	12.3	20.1	37.8	6.0	6.1	.50
SH 4	412743N0721724.1	12.0-13.4	1.9	9.4	35.7	38.9	12.1	.6	1.3	.26
		13.4-13.6	6.3	4.8	10.5	12.5	7.7	5.1	53.1	2.6
		27.0-27.1	2.9	5.0	22.4	15.8	1.2	3.3	49.4	1.8
		27.1-27.8	4.4	5.1	40.3	37.7	9.6	1.4	1.6	.25
		37.0-37.9	3.9	2.2	12.0	28.3	33.0	14.8	5.7	.54

Table 5.—Analyses of^a chemical and physical characteristics of water from streams in the lower Connecticut River basin

Station number	Stream and location	Date of collection	Instantaneous discharge (cfs)	Percent of long-term average discharge (%)	Chemical constituents in milligrams per liter, except as indicated										Dissolved solids (residual due on evaporation at 180°C) (mg/l)	Hardness as CaCO ₃ due to magnesium and calcium (mg/l)	Dissolved solids as MgSO ₄ /Na ₂ SO ₄ (mg/l)	Turbidity pH	Specific conductance (microsiemens at 25°C)	Water temperature (°C)					
					Manganese (mg/l)	Iron (mg/l)	Calcium (mg/l)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃) (mg/l)	Sulfate (SO ₄) (mg/l)	Chloride (Cl) (mg/l)	Nitrate (NO ₃) (mg/l)	Fluoride (F) (mg/l)											
01192700	Naugatuck River at East Berlin	5-4-56	—	—	7.4	0.74	0.68	22	7.2	7.9	1.4	68	24	8.2	0.0	13	137	—	—	6.7	8	21.8	15.5		
01192950	Esopus River at Rockfall	4-25-62	44	94	3.0	.18	.12	16	4.5	6.2	.6	51	17	7.0	.1	1.6	89	59	17	—	0.7	6.8	9	153	10.5
01193800	Hemlock Valley Brook at Hadlyme	4-24-62	5.7	126	6.6	.10	.00	4.1	1.2	4.2	1.4	13	9.0	5.2	.0	1.5	44	15	5	—	.6	6.6	11	64	12.0
01195000	Minneketuck River near Clinton	4-24-62 11-28-62 4-17-63	16 17 12	75 80 56	4.8	.09	.06	3.3	1.4	3.6	.4	11	8.6	4.0	.0	.3	33	14	5	—	.7	6.4	16	54	12.0
01195200	Neck River near Madison	4-24-62 11-28-62 4-17-63	10 9.5 8.4	56 54 83	5.6	.29	.06	4.8	2.4	5.1	1.1	12	6.0	1.1	1.2	48	22	12	—	.7	6.2	18	77	14.0	
Connecticut drinking water standards (recommended limits) ^b :				Maximum limit										Dissolved solids range		—		—		—		—			
Measured in °F converted to °C				Maximum limit										Dissolved solids range		—		—		—		—			
Connecticut State Department of Health, 1972.				Maximum limit										Dissolved solids range		—		—		—		—			
Methylane Blue Active Substances				Maximum limit										Dissolved solids range		—		—		—		—			
ppm ranges 0.8-1.2 mg/l.				Maximum limit										Dissolved solids range		—		—		—		—			

^a Methylane Blue Active Substances
^b Measured in °F converted to °C
^c Connecticut State Department of Health, 1972.

Table 6.--Publications containing hydrogeologic data for the lower Connecticut River basin

(Many contain data for other parts of Connecticut. Dates shown refer to year information was collected, not date of publication.)

(U.S. Geol. Survey publication or series: Bull., Bulletin; Circ., Circular; H.A., Hydrologic Atlas; W.S.P., Water-Supply Paper; W.R.D.C., Water Resources Data for Connecticut; S.W.D.C., Surface Water Data for Connecticut; State publications: C.W.R.B., Connecticut Water Resources Bulletin; C.G.W.S.B., Connecticut Ground-Water Survey Bulletin; C.G.S.B., Connecticut Geologic and Natural History Survey Bulletin.)

Table 7.--Records of pumping tests of wells

Town of Cromwell

CR 285. A. N. Pierson Co., well number 2. Drilled well finished open hole in sedimentary bedrock. Test pumping conducted by Water Exploration and Development Corp. for 7 days and 4 minutes from 0941 EST, 2-25-69 to 0945 EST, 3-4-69, at a constant discharge of 80 gpm. Water levels were measured by automatic recorder and steel tape in well CR 284, 484 feet northeast of CR 285. Water levels are given in feet below land surface. See plate A and table I of Connecticut Water Resources Bulletin No. 25 for well locations and well-construction characteristics, respectively.

Time before pumping started (minutes)	Water level in well CR 284 (ft)	Time after pumping stopped (minutes)	Water level in well CR 284 (ft)
41	1.98	0.5	8.94
1	1.98	1.0	8.94
		3.0	8.84
		4.0	8.76
		5.0	8.69
		6.0	8.61
Time after pumping started (minutes)			
.00	1.97	7.0	8.55
.50	1.97	8.0	8.47
2.50	1.97	10	8.36
4.0	1.97	12	8.25
5.0	1.99	15	8.11
6.0	2.01	20	7.93
7.0	2.04	25	7.78
8.0	2.07	30	7.65
10	2.14	35	7.55
12	2.24	40	7.45
15	2.38	50	7.29
20	2.53	60	7.17
25	2.73	75	6.96
30	2.86	90	6.84
40	3.08	105	6.73
50	3.22	120	6.64
60	3.35	150	6.46
75	3.54	180	6.32
90	3.67	210	6.20
105	3.78	240	6.10
120	3.89	270	6.02
150	4.07	300	5.92
180	4.21	330	5.86
210	4.34	360	5.78
240	4.46	420	5.64
270	4.57	480	5.53
300	4.66	540	5.47
330	4.75	600	5.40
360	4.84	660	5.34
420	5.00	720	5.27
480	5.15	780	5.20
540	5.30	840	5.14
600	5.44	960	4.99
660	5.54	1,080	4.83
720	5.62	1,200	4.71
780	5.70	1,320	4.64
840	5.78	1,440	4.59
960	5.89	1,560	4.51
1,080	6.01	1,680	4.42
1,200	6.15	1,800	4.28
1,320	6.28	1,920	4.21
1,440	6.40	2,040	4.18
1,560	6.49	2,160	4.14
1,680	6.58	2,280	4.08
1,800	6.67	2,400	4.05
1,920	6.79	2,520	3.90
2,040	6.89	2,640	3.82
2,160	6.97	2,760	3.78
2,280	7.03		
2,400	7.07		
2,520	7.12		
2,640	7.18		
2,760	7.26		
2,880	7.33		
3,000	7.45		
3,240	7.56		
3,420	7.69		
3,600	7.77		
3,780	7.79		
3,960	7.79		
4,140	7.86		
4,320	7.96		
4,560	8.00		
4,800	8.06		
5,040	8.19		
5,280	8.21		
5,520	8.21		
5,760	8.30		
6,120	8.35		
6,480	8.49		
6,840	8.47		
7,200	8.52		
7,560	8.58		
7,920	8.67		
8,280	8.64		
8,640	8.72		
10,080	8.88		

Table 7.--Records of pumping tests of wells--Continued

Town of Cromwell

CR 286. A. N. Pierson Co., well number 3. Drilled well finished open hole in sedimentary bedrock. Test pumping conducted by Water Exploration and Development Corp. for 11 days, 21 hours, and 15 minutes from 1045 EST, 3-7-69 to 0800 3-19-69 at a constant discharge of 82 gpm. Water levels were measured by automatic recorder and steel tape in well CR 284, 394 feet north of CR 286. Water levels are given in feet below land surface. See plate A and table 1 of Connecticut Water Resources Bulletin No. 25 for well locations and well-construction characteristics, respectively.

Time before pumping started (minutes)	Water level in well CR 284 (ft)	Time after pumping stopped (minutes)	Water level in well CR 284 (ft)
25	4.09	660	12.62
		1,440	14.31
		1,560	14.50
		1,680	14.65
		1,800	14.79
0.0	4.03	1,920	14.92
.5	4.03	2,040	15.04
1.0	4.03	2,160	15.16
1.5	4.03	2,280	15.27
2.0	4.04	2,400	15.38
2.5	4.05	2,520	15.48
3.0	4.06	2,640	15.59
4.0	4.11	2,880	15.79
5.0	4.17	3,120	16.36
6.0	4.25	3,360	16.48
7.0	4.34	3,600	16.62
8.0	4.43	3,840	16.77
10	4.63	4,080	16.89
12	4.83	4,320	17.00
15	5.13	4,560	17.15
20	5.59	4,800	17.27
25	5.98	5,040	17.36
30	6.33	5,280	17.42
35	6.62	5,520	17.48
40	6.90	5,640	17.54
50	7.35	5,760	17.62
60	7.74	6,120	17.76
75	8.19	6,480	17.86
90	8.66	6,840	17.89
105	8.90	7,200	18.00
120	9.12	7,560	18.12
150	9.63	7,920	18.23
180	9.96	8,280	18.24
210	10.23	8,640	18.35
240	10.54	9,000	18.42
270	10.81	9,360	18.54
300	11.04	9,720	18.51
330	11.23	10,080	18.61
360	11.42	10,800	18.76
420	11.74	11,520	18.79
480	11.98	12,240	18.90
540	12.21	12,960	18.91
600	12.41	13,680	18.98

