

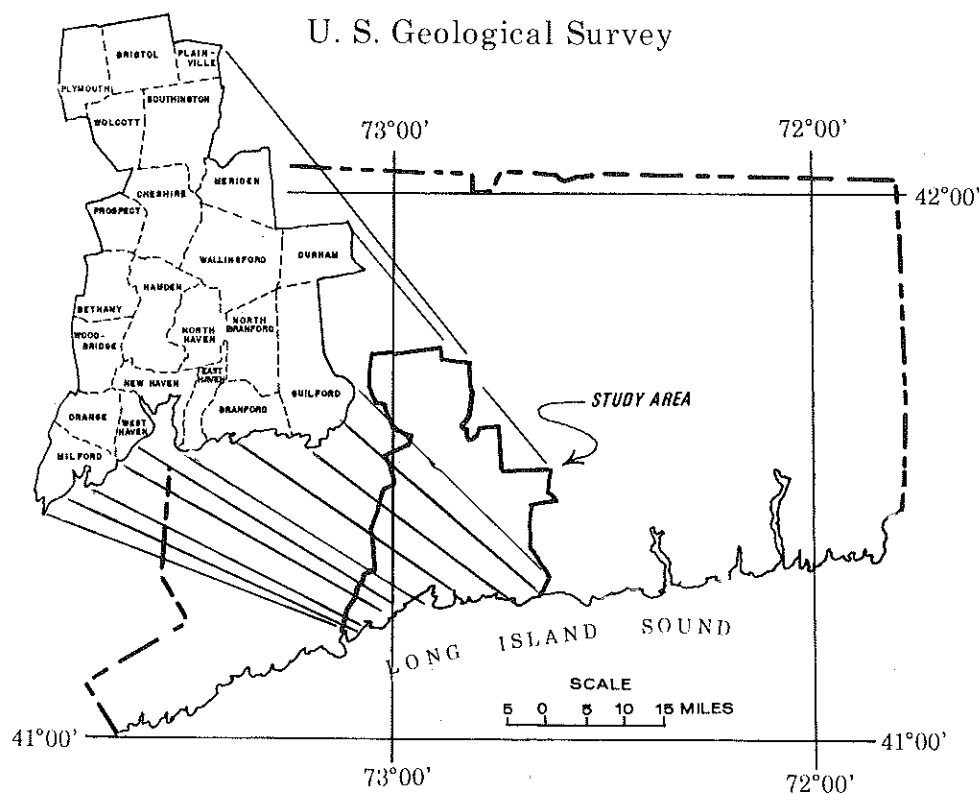
STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hydrogeologic data for the
lower Connecticut River basin,
Connecticut

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Prepared by the
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in cooperation with the
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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 (BO), 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

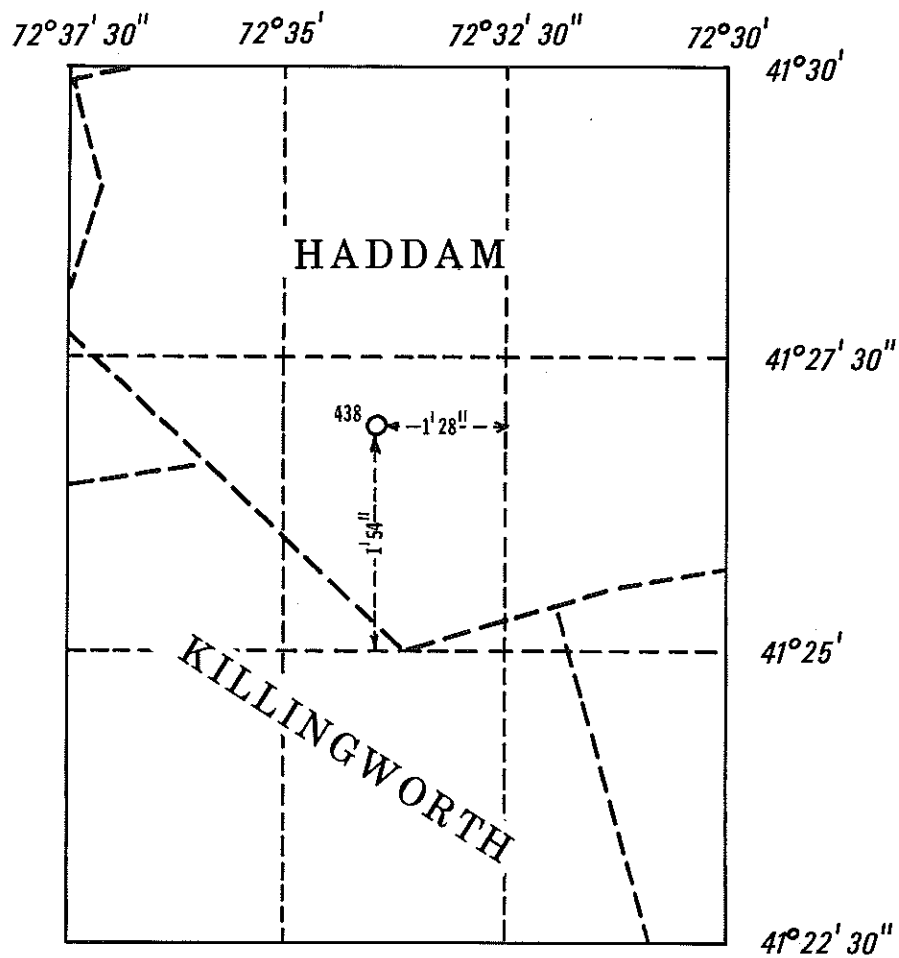


FIGURE 1--SKETCH ILLUSTRATING WELL AND TEST HOLE NUMBERING SYSTEM. WELL 438 IN THE TOWN OF HADDAM IS LISTED IN TABLE 1 AS HD438, WITH LOCATION NUMBER 412654N0723358.1.

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	1-1930	01193000
Connecticut River at Middle Haddam	1-1930.5	01193050

The 1- 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.
- Baker, J. A., Lang, S. M., and Thomas, M. P., 1965, Geology and hydrology of the Hartford Research Center, CANEL Site, Middletown, Connecticut: U.S. Geol. Survey Bull. 1133-G, 42 p.
- Brown, J. S., 1928, Ground Water in the New Haven Area, Connecticut: U.S. Geol. Survey Water-Supply Paper 540, 206 p.
- Connecticut State Department of Health, 1972, Sanitation Guidelines: Connecticut Health Bull., v. 86, No. 11, p. 367-368.
- Gregory, H. E., and Ellis, A. J., 1916, Ground water in the Hartford, Stamford, Salisbury, Willimantic, and Saybrook areas, Connecticut: U.S. Geol. Survey Water-Supply Paper 374, 146 p.
- U.S. Geological Survey (issued annually), 1961-64, Surface water records of Connecticut.
- U.S. Geological Survey (issued annually), 1965-72, Water resources data for Connecticut.
- 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.

LOCAL WELL NUMBER: SEE TEXT FOR EXPLANATION OF NUMBERING SYSTEM AND PLATE 4 FOR LOCATION.
LOCATION NUMBER: SEE TEXT FOR EXPLANATION.
DOWNER: RECORDED AT TIME OF INVENTORY. MAY NOT BE NAME OF PRESENT OWNER.
ALTITUDE OF LSD: LAND SURFACE DATUM AT WELL SITE IN FEET ABOVE MEAN SEA LEVEL. ESTIMATED FROM TOPOGRAPHIC MAPS WITH 30-FT CONTOUR INTERVAL.

OWNER: RECORDED AT TIME OF INVENTORY. MAY NOT BE NAME OF PRESENT OWNER.

ALTITUDE OF LSD: LAND SURFACE DATUM AT WELL SITE IN FEET ABOVE MEAN SEA LEVEL. ESTIMATED FROM TOPOGRAPHIC MAPS WITH 30-FT CONTOUR INTERVAL.

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.

BA, BASALT (TRAPROCK)
 DG, NONCARBONATE CRYSTALLINE BEDROCK
~~OS, STRATIFIED-DRAI~~
 OS, TILL
 OS, SEDIMENTARY BEDROCK

WATER LEVEL: STATIC (NONPUMPING) WATER LEVEL IN FEET BELOW OR ABOVE (+) LAND SURFACE DATUM
F, INDICATES FLOWING WELL.

WATER PUMPING TEST: SHOWN AS NUMERICAL MONTH FOLLOWED BY THE YEAR.

WELL: THE REPORTED QUANTITY OF WATER, IN GALLONS PER MINUTE (GPM), DISCHARGED FROM WELL, USUALLY BASED ON A SHORT DURATION PUMPING TEST.

SHUT-DOWN: THE DIFFERENCE BETWEEN THE PREPUMPING WATER LEVEL AND THE FINAL WATER LEVEL DURING THE PUMPING TEST, EXPRESSED IN FEET.

WELL NUMBER	OWNER	DATE DRILLED (YEAR)	ALTITUDE OF LSO (FT)	WELL DEPTH (FT)	CASING DIAMETER (IN)
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14	413841N0724411.1	J GACEK	1935	90	143	6	47
20	413841N0724411.1	J GACEK	1935	90	143	6	47

	NO.	NAME	AGE	SEX	WEIGHT
20	413756N0724651.1	M GRAZIANO	95	B	46
25	413756N0724651.1	FEMALE DAIRY	215	B	52
30	413906N0724784.1	PURE ICE CO	60	B	60
35	413908N0724606.1	P GIANNA	135	B	75
38	413756N0724651.1		150		

74	41375500724326.1	C LK P	1924	85	110	6	28
187	41355600724757.1	D WALUK	1930	248	134	6	16
221	41373100724658.1	L DEVIVO	1930	250	108	6	60
297	41382500724415.1	E BENEDET	1951	68	185	6	100
297	41384800724409.1	F MCGRATH	1953	60	110	4	30

Year	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361</
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306	413635N0724739.1	JURNOON HARDEEN	1955	180	6
307	413635N0724739.1	JURNOON HARDEEN	1955	180	6
308	413635N0724739.1	JURNOON HARDEEN	1955	180	6
309	413635N0724739.1	JURNOON HARDEEN	1955	180	6
310	413645N0724910.1	ABRAHAMSON	1947	205	150
311	413645N0724910.1	ABRAHAMSON	1947	205	150
312	413645N0724910.1	ABRAHAMSON	1947	205	150
313	413645N0724910.1	ABRAHAMSON	1947	205	150
314	413651N0724849.1	B E PERZAN	1955	240	104
315	413651N0724849.1	B E PERZAN	1955	240	104
316	413645N0724910.1	B F PERZAN	1955	330	102
317	413651N0724849.1	B E PERZAN	1955	240	104
318	413645N0724910.1	B F PERZAN	1955	330	102
319	413645N0724910.1	B F PERZAN	1955	330	102
320	413645N0724910.1	B F PERZAN	1955	330	102

326	413621N0724345.1	RAYMOND DYER	1938	178	187	6	--
322	413503N0724844.1	Y G WESSELS	1951	230	93	6	93
323	413526N0724752.1	E G ORCUTT	1940	240	105	34	34
324	413507N0724813.1	G W MACKENZIE	1950	265	6	6	20

364	413R11N072452R.1	ROWLAND, PROD CO	50	400	8	31
365 <th>413R34N0724334.1</th> <th>M JARTIELLI</th> <th>1064</th> <th>50</th> <th>6</th> <th>90</th>	413R34N0724334.1	M JARTIELLI	1064	50	6	90
366 <th>413R43N0724313.1</th> <th>W J VIOLETTE</th> <th>1065</th> <th>33</th> <th>157</th> <th>70</th>	413R43N0724313.1	W J VIOLETTE	1065	33	157	70
367 <th>413R22N0724766.1</th> <th>P H LARSON</th> <th>1064</th> <th>210</th> <th>160</th> <th>23</th>	413R22N0724766.1	P H LARSON	1064	210	160	23

368	413706N0724304.1	JOHN COCOMO ASS	1965	62	173	6	73
369	413552N0724843.1	ROCKVIEW HILLS	1964	225	160	6	65
370	413529N0724904.1	EDWARD BENSON	1966	265	415	6	10
371	413931N0724301.1	LIBERTY TNO INC	1965	33	175	6	84

372	413827N0724359.1	INDUSTRIAL SUPP	1967	50	200	6	65
373	413515N072474.1	CONN FISH LGAMP	1964	70	46	10	38
374	413558N0724725.1	GIRL SCOUTS	1965	195	400	6	21
375	413614N0724419.1	GEORGE FELLOWS	1965	140	250	6	22

376	413551N0724431.1	CITY OF MERIDEN	1966	215	250	10	33
377	413541N0724407.1	R F LAMARE	1964	70	140	6	64
378	41357N0724529.1	SKINNER INC	1966	52	300	8	37
379	41382N0724620.1	J L SUPERMAN	1965	66	340	1	34

379	41306240N0724401.1	SHEPHERD	1965	190	6	24
380	413555N0724420.1	CHEST TRACTOR	1965	325	6	65
381	413420N0724401.1	SABAP TND INC	1965	33	60	60
382	413404N0724758.1	JOSEPH TIMKA	1963	212	110	34

USE OF WATER:

A, AIR CONDITIONING
C, COMMERCIAL
H, DOMESTIC
I, IRRIGATION
N, INDUSTRIAL
P, PUBLIC SUPPLY
R, RECREATION
S, STOCK SUPPLY
T, INSTITUTIONAL
U, UNUSED
Z, OTHER

REMARKS: CHEMICAL ANALYSIS BY U.S.G.S.1 PUBLISHED IN "WATER RESOURCES DATA FOR CONNECTICUT",
CA, FOR 1973, OR 1972.

CB, CHEMICAL ANALYSIS OTHER THAN BY U.S.G.S.1 UNPUBLISHED BUT AVAILABLE AT HARTFORD
OFFICE OF U.S.G.S.

CM, ANALYSIS OF MINOR ELEMENTS BY U.S.G.S.; PUBLISHED IN "WATER RESOURCES DATA FOR CONNECTICUT," # 1972.

DD, DRAWDOWN IS MINIMUM.
HH, WELL DATA, LOCATIONS, AND WATER LEVELS PUBLISHED IN CONNECTICUT WATER RESOURCES
BULLETIN NO. 10

K, FIELD CONDUCTIVITY IN MICROMHOS/CM AT 25°C; MEASURED IN MARCH AND APRIL 1972.

L, LOG IN TABLE 2.

SCRN, WELL SCREEN, NUMBERS REPRESENT RESPECTIVELY; SCREENED INTERVAL BELOW LAND SURFACE IN FEET, DIAMETER AND SLOT SIZE IN INCHES.

WBZ, WATER-BEARING ZONE.

UNCONSOLIDATED MATERIAL REPORTED IN THIS TABLE IS THAT REPORTED BY DRILLER. UNDERLINED TERMS ARE INTERPRETATIONS BY J. W. BINGHAM.

DATE	WATER LEVEL MEASURED	YIELD /CRU	DRAW DOWN /FT	USE OF WATER	RELATIVE WATER
10/1/71	10.0	10.0	10.0	10.0	10.0
10/2/71	10.0	10.0	10.0	10.0	10.0
10/3/71	10.0	10.0	10.0	10.0	10.0
10/4/71	10.0	10.0	10.0	10.0	10.0
10/5/71	10.0	10.0	10.0	10.0	10.0
10/6/71	10.0	10.0	10.0	10.0	10.0
10/7/71	10.0	10.0	10.0	10.0	10.0
10/8/71	10.0	10.0	10.0	10.0	10.0
10/9/71	10.0	10.0	10.0	10.0	10.0
10/10/71	10.0	10.0	10.0	10.0	10.0
10/11/71	10.0	10.0	10.0	10.0	10.0
10/12/71	10.0	10.0	10.0	10.0	10.0
10/13/71	10.0	10.0	10.0	10.0	10.0
10/14/71	10.0	10.0	10.0	10.0	10.0
10/15/71	10.0	10.0	10.0	10.0	10.0
10/16/71	10.0	10.0	10.0	10.0	10.0
10/17/71	10.0	10.0	10.0	10.0	10.0
10/18/71	10.0	10.0	10.0	10.0	10.0
10/19/71	10.0	10.0	10.0	10.0	10.0
10/20/71	10.0	10.0	10.0	10.0	10.0
10/21/71	10.0	10.0	10.0	10.0	10.0
10/22/71	10.0	10.0	10.0	10.0	10.0
10/23/71	10.0	10.0	10.0	10.0	10.0
10/24/71	10.0	10.0	10.0	10.0	10.0
10/25/71	10.0	10.0	10.0	10.0	10.0
10/26/71	10.0	10.0	10.0	10.0	10.0
10/27/71	10.0	10.0	10.0	10.0	10.0
10/28/71	10.0	10.0	10.0	10.0	10.0
10/29/71	10.0	10.0	10.0	10.0	10.0
10/30/71	10.0	10.0	10.0	10.0	10.0
10/31/71	10.0	10.0	10.0	10.0	10.0
11/1/71	10.0	10.0	10.0	10.0	10.0
11/2/71	10.0	10.0	10.0	10.0	10.0
11/3/71	10.0	10.0	10.0	10.0	10.0
11/4/71	10.0	10.0	10.0	10.0	10.0
11/5/71	10.0	10.0	10.0	10.0	10.0
11/6/71	10.0	10.0	10.0	10.0	10.0
11/7/71	10.0	10.0	10.0	10.0	10.0
11/8/71	10.0	10.0	10.0	10.0	10.0
11/9/71	10.0	10.0	10.0	10.0	10.0
11/10/71	10.0	10.0	10.0	10.0	10.0
11/11/71	10.0	10.0	10.0	10.0	10.0
11/12/71	10.0	10.0	10.0	10.0	10.0
11/13/71	10.0	10.0	10.0	10.0	10.0
11/14/71	10.0	10.0	10.0	10.0	10.0
11/15/71	10.0	10.0	10.0	10.0	10.0
11/16/71	10.0	10.0	10.0	10.0	10.0
11/17/71	10.0	10.0	10.0	10.0	10.0
11/18/71	10.0	10.0	10.0	10.0	10.0
11/19/71	10.0	10.0	10.0	10.0	10.0
11/20/71	10.0	10.0	10.0	10.0	10.0
11/21/71	10.0	10.0	10.0	10.0	10.0
11/22/71	10.0	10.0	10.0	10.0	10.0
11/23/71	10.0	10.0	10.0	10.0	10.0
11/24/71	10.0	10.0	10.0	10.0	10.0
11/25/71	10.0	10.0	10.0	10.0	10.0
11/26/71	10.0	10.0			

DATE	MEASURED	TEMP.	WATER	REMARKS
46	1-38	10	65	H

6	8-55	20	---	U	FORMERLY SUPPLIED DAIRY.
35	8-31	60	45	U	
23	3-38	150	---	Z	
17	8-20	6	133	H	

14	1-38	16	I
47	3-38	4	I
48	3-38	60	I
51	51	5	I
52	52	4	I

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

F		8-55	7	H	I	FINE SAND AND GRAVEL, 0-16F.
10		8-55	5	U	L.	
13		8-55	15	--	M	
12		4-55	60	15		
13		8-55	15	--		

AGE	SEX	REPORTS WATER NOT HARD.
16	B-55	25
20	6-50	3
7	6-55	10
24	B-55	8
24	B-55	8

Depth	Temperature	Salinity	Direction	Speed	Time	Remarks
10	8-55	35	N	335		CA, L.
10	8-62	30	N	335		K2900; CLAY, 0-60 FT.
1	8-64	30	H	64		K2000, L, DD.
F	9-65	6	H	30		K375, L.
30	9-64	20	H	10		

21	12-65	40	152	N	K356; CLAY, 0-61 FT.
25	7-64	12	--	H	L.
35	9-65	4	--	H	K251; TRAPROCK, 4-390 FT.; REDROCK, 390-415 FT.
F	4-66	60	--	N	K2600; L, BD, UNPLATABLE; NOT CAUSED TO BEDROCK-

4.5	2-67	5	135	N	K2300; REDDISH CLAY, 0-55FT.
7	2-64	200	16	7	CB1; SCRIN; 38-46FT, 10IN., 0.60IN.
F	6-55	30	--	T	K440, L.
20	10-56	2	220	J	

	DATE	TIME	DEPTH	WIND	SEA	CLOUDS	REMARKS
1	10-66	185	62	N	CA, L, TP	21 HRS.	
2	10-66	185	62	N	CA, L, TP	21 HRS.	
3	10-66	185	62	N	CA, L, TP	21 HRS.	
4	10-66	185	62	N	CA, L, TP	21 HRS.	
5	10-66	185	62	N	CA, L, TP	21 HRS.	
6	10-66	185	62	N	CA, L, TP	21 HRS.	
7	10-66	185	62	N	CA, L, TP	21 HRS.	
8	10-66	185	62	N	CA, L, TP	21 HRS.	
9	10-66	185	62	N	CA, L, TP	21 HRS.	
10	10-66	185	62	N	CA, L, TP	21 HRS.	
11	10-66	185	62	N	CA, L, TP	21 HRS.	
12	10-66	185	62	N	CA, L, TP	21 HRS.	
13	10-66	185	62	N	CA, L, TP	21 HRS.	
14	10-66	185	62	N	CA, L, TP	21 HRS.	
15	10-66	185	62	N	CA, L, TP	21 HRS.	
16	10-66	185	62	N	CA, L, TP	21 HRS.	
17	10-66	185	62	N	CA, L, TP	21 HRS.	
18	10-66	185	62	N	CA, L, TP	21 HRS.	
19	10-66	185	62	N	CA, L, TP	21 HRS.	
20	10-66	185	62	N	CA, L, TP	21 HRS.	
21	10-66	185	62	N	CA, L, TP	21 HRS.	
22	10-66	185	62	N	CA, L, TP	21 HRS.	
23	10-66	185	62	N	CA, L, TP	21 HRS.	
24	10-66	185	62	N	CA, L, TP	21 HRS.	
25	10-66	185	62	N	CA, L, TP	21 HRS.	
26	10-66	185	62	N	CA, L, TP	21 HRS.	
27	10-66	185	62	N	CA, L, TP	21 HRS.	
28	10-66	185	62	N	CA, L, TP	21 HRS.	
29	10-66	185	62	N	CA, L, TP	21 HRS.	
30	10-66	185	62	N	CA, L, TP	21 HRS.	
31	10-66	185	62	N	CA, L, TP	21 HRS.	
32	10-66	185	62	N	CA, L, TP	21 HRS.	
33	10-66	185	62	N	CA, L, TP	21 HRS.	
34	10-66	185	62	N	CA, L, TP	21 HRS.	
35	10-66	185	62	N	CA, L, TP	21 HRS.	
36	10-66	185	62	N	CA, L, TP	21 HRS.	
37	10-66	185	62	N	CA, L, TP	21 HRS.	
38	10-66	185	62	N	CA, L, TP	21 HRS.	
39	10-66	185	62	N	CA, L, TP	21 HRS.	
40	10-66	185	62	N	CA, L, TP	21 HRS.	
41	10-66	185	62	N	CA, L, TP	21 HRS.	
42	10-66	185	62	N	CA, L, TP	21 HRS.	
43	10-66	185	62	N	CA, L, TP	21 HRS.	
44	10-66	185	62	N	CA, L, TP	21 HRS.	
45	10-66	185	62	N	CA, L, TP	21 HRS.	
46	10-66	185	62	N	CA, L, TP	21 HRS.	
47	10-66	185	62	N	CA, L, TP	21 HRS.	
48	10-66	185	62	N	CA, L, TP	21 HRS.	
49	10-66	185	62	N	CA, L, TP	21 HRS.	
50	10-66	185	62	N	CA, L, TP	21 HRS.	
51	10-66	185	62	N	CA, L, TP	21 HRS.	
52	10-66	185	62	N	CA, L, TP	21 HRS.	
53	10-66	185	62	N	CA, L, TP	21 HRS.	
54	10-66	185	62	N	CA, L, TP	21 HRS.	
55	10-66	185	62	N	CA, L, TP	21 HRS.	
56	10-66	185	62	N	CA, L, TP	21 HRS.	
57	10-66	185	62	N	CA, L, TP	21 HRS.	
58	10-66	185	62	N	CA, L, TP	21 HRS.	
59	10-66	185	62	N	CA, L, TP	21 HRS.	
60	10-66	185	62	N	CA, L, TP	21 HRS.	
61	10-66	185	62	N	CA, L, TP	21 HRS.	
62							

6-65	12	N	3DCI:CLAY, 0-15FT.
59	25	N	CAI: SAND AND GRAVEL, 0-60FT.
7-65	50	N	CAI: CM:CLAY AND BOULDERS, 0-54FT.
10-63	50	H	CAI: L.

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTI-TUDE OF LSO (FT)	WELL DEPTH (FT)	CASING DIAMETER (IN)	CASING DEPTH (FT)	DEPTH TO CONSOLIDATED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE WATER MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
B 383	413512N072475E.1	THOMAS LUDDY	1971	235	95	6	32	26	BA	28	4-71	8	57	H	CALCIUM GRAVEL, 0-24FT.
B 384	413739N072450E.1	TOWN OF BERLIN	1967	40	51	12	43	58	00	12	9-67	190	21	U	CB11SCRN142-55FT, 6IN., 0-40IN.
B 385	413759N072432E.1	TOWN OF BERLIN	1968	52	60	12	50	82	00	12	1-68	610	11	U	CB11SCRN150-60FT, 32IN., 0-60IN. IN BACKFILLED M/GRAVEL, 60-87FT.
B 386	413616N072455E.1	TOWN OF BERLIN	1968	129	52	12	44	55	00	0	3-68	350	29	P	CB11SCRN144-52FT, 32IN., 0-75IN.
B 387	413626N072455E.1	TOWN OF BERLIN	1968	115	34	12	25	34	00	-1	4-68	160	6	P	CB11SCRN125-34FT, 30IN., 0-75IN. SURGED 3 DAYS, PUMPED 3HRS.
B 388	413626N072455E.1	TOWN OF BERLIN	1967	108	38	2	36	42	00	-2	2-67	50	14	U	CB11CASING SLOTTED 32-38FT.
B 389	413626N072455E.1	TOWN OF BERLIN	1967	46	47	2	32	32	00	-1	2-67	37	18	U	CB11CASING SLOTTED 32-38FT.
B 390	413626N072455E.1	TOWN OF BERLIN	1967	46	47	2	32	32	00	-1	2-67	37	18	U	CB11CASING SLOTTED 32-38FT.
B 391	413759N072443E.1	TOWN OF BERLIN	1967	52	57	2	52	57	00	18	2-67	30	--	U	CB11CASING SLOTTED 42-47FT.
B 392	413740N072450E.1	TOWN OF BERLIN	1967	40	47	2	42	42	00	4	2-67	45	--	U	CB11CASING SLOTTED 42-47FT.
B 393	413514N072473E.1	CONN FISH HATCH	1963	170	44	8	36	36	00	1	6-63	240	14	Z	CB11SCRN136-38FT, 8IN., 0-50IN. SURGED 24HRS, PUMPED 24HRS.
B 394	413560N072463E.1	J LAGROZ	1955	170	216	6	132	131	05	32	12-55	10	93	H	L.
B 395	413600N072450E.1	J LAGROZ	1955	170	170	6	23	23	05	12	7-56	10	88	H	
B 396	413600N072450E.1	CONN FISH HATCH	1955	170	170	6	23	23	05	12	7-56	10	88	H	
B 397	413600N072450E.1	CONN FISH HATCH	1955	170	170	6	23	23	05	12	7-56	10	88	H	
B 398	413600N072450E.1	CONN FISH HATCH	1955	170	170	6	23	23	05	12	7-56	10	88	H	
B 399	413600N072450E.1	CONN FISH HATCH	1955	170	170	6	23	23	05	12	7-56	10	88	H	
B 400	413558N072451E.1	N E METALLURGY	1966	58	44	6	38	38	00	11	9-66	150	13	N	L1SCRN138-40FT, 8IN., 100IN. PUMPED 24HRS.
B 402	413635N072455E.1	CUSHMAN INC	1971	80	250	6	91	91	RA	F	9-71	30	250	N	DB1CLAY AND HARDPAN, 0-80FT.
CH 251	412358N072264E.1	G SPENCER	1956	115	200	6	8	6	00	75	1-56	8	125	H	TILL, 0-6FT.
CH 252	412546N072264E.1	WILLIAM JONES	1958	25	183	6	63	55	00	30	12-58	3	153	H	SAND AND GRAVEL, 0-55FT.
CH 253	412355N072264E.1	CAMP HAZEN	1959	245	42	6	38	38	00	00	6-59	25	25	R	CATS CRN138-42FT, 6IN., 0-25IN.
CH 254	412358N072264E.1	JAMES DELENO	1964	135	205	6	31	20	00	15	12-64	2	185	H	SAND AND GRAVEL, 0-20FT.
CH 255	412358N072264E.1	JAMES DELENO	1964	135	205	6	31	20	00	15	12-64	2	185	H	SAND AND GRAVEL, 0-20FT.
CH 256	412358N072264E.1	JAMES DELENO	1964	135	205	6	31	20	00	15	12-64	2	185	H	SAND AND GRAVEL, 0-20FT.
CH 257	412550N072272E.1	PETER MYDEN	1966	160	245	6	17	2	00	157	5-66	5	240	H	TILL, 0-49FT.
CH 258	412550N072272E.1	PETER MYDEN	1966	160	245	6	17	2	00	157	5-66	5	240	H	TILL, 0-49FT.
CH 259	412358N072264E.1	JAMES VAN DYKE	1971	310	145	6	50	41	00	18	5-71	30	127	H	SAND AND GRAVEL, 0-42FT.
CH 259	412358N072264E.1	LAWRENCE PORTER	1970	175	261	6	52	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 260	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 261	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 262	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 263	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 264	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 265	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 266	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 267	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 268	412358N072264E.1	LAWRENCE PORTER	1971	140	240	6	50	42	00	23	11-70	2	238	H	SAND AND GRAVEL, 0-42FT.
CH 190	411740N072314E.1	CONN WATER CO	1964	29	80	12	60	60	00	3	11-64	1000	54	P	CB11SCRN160-80FT MULTIPLEZETP 94HRS KELEYTON WELL, 7.
CH 191	411740N072314E.1	CONN WATER CO	1967	10	109	12	82	82	00	30	5-67	890	70	H	CATS CRN162-80FT, 12IN., 0-60IN. TP 12IN., 0-20IN.
CH 192	411740N072314E.1	CONN WATER CO	1967	44	93	6	10	10	00	30	5-67	890	70	H	TILL, 0-6 FT.
CH 193	411740N072314E.1	CONN WATER CO	1967	33	120	6	34	32	00	20	1-57	12	120	H	SAND AND GRAVEL, 0-32FT.
CH 194	411740N072314E.1	CONN WATER CO	1966	102	93	6	11	7	00	20	8-56	7	--	H	TILL, 0-7FT.
CL 195	411850N072302E.1	M G SHEPENS	1956	50	207	6	8	5	00	14	8-56	16	105	H	TILL, 0-5FT. YIELD INADEQUATE FOR TREE NURSERY.
CL 196	411850N072302E.1	M G SHEPENS	1956	192	140	6	20	4	00	18	12-56	2	135	H	TILL, 0-4FT.
CL 197	411850N072302E.1	M G SHEPENS	1956	192	140	6	20	4	00	18	12-56	2	135	H	TILL, 0-4FT.
CL 198	411850N072302E.1	M G SHEPENS	1956	202	195	6	195	42	00	9	12-56	6	90	H	TILL, 0-2FT.
CL 199	411740N072314E.1	CONN WATER CO	1966	7	84	8	66	--	00	3	7-66	575	34	P	CB11SCRN166-84FT, 8IN., 0-60IN. TP 1320HRS AT 500GPM.
CL 200	411740N072314E.1	CONN WATER CO	1966	10	83	8	73	--	00	7	2-66	402	--	P	CB11SCRN173-83FT, 8IN., 0-60IN. TP 1200HRS AT 350GPM.
CL 201	411740N072314E.1	CONN WATER CO	1966	52	115	6	25	18	00	21	6-71	30	94	H	TILL, 0-38FT.
CL 202	411740N072314E.1	CONN WATER CO	1966	60	175	6	24	18	00	21	8-71	12	154	H	TILL, 0-38FT.
CL 203	411740N072314E.1	CONN WATER CO	1966	82	222	6	25	19	00	16	2-65	7	74	H	TILL, 0-39FT.
CL 204	411740N072314E.1	CONN WATER CO	1966	60	222	6	22	17	00	17	5-64	30	205	H	TILL, 0-31FT.
CL 205	411850N072302E.1	RAPNET DEVELOP	1968	200	180	6	38	31	00	30	5-68	10	150	H	TILL, 0-31FT.
CL 206	411850N072302E.1	RAPNET DEVELOP	1971	188	225	6	65	65	00	20	12-71	4	205	H	TILL, 0-65FT.
CL 207	411850N072302E.1	RAPNET DEVELOP	1971	188	225	6	65	65	00	20	12-71	4	205	H	TILL, 0-65FT.
CL 208	411850N072302E.1	RAPNET DEVELOP	1971	188	225	6	65	65	00	20	12-71	4	205	H	TILL, 0-65FT.
CL 209	411850N072302E.1	RAPNET DEVELOP	1971	188	225	6	65	65	00	20	12-71	4	205	H	TILL, 0-65FT.
CL 210	411850N072302E.1	RAPNET DEVELOP	1971	188	225	6	65	65	00	20	12-71	4	205	H	TILL, 0-65FT.
CL 211	411850N072302E.1	RAPNET DEVELOP	1971	188	225	6	65	65	00	20	12-71	4	205	H	TILL, 0-65FT.
CL 212	411850N072302E.1	RAPNET DEVELOP	1971	188	225	6	65	65	00	20	12-71	4	205	H	TILL, 0-65FT.
CL 213	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 214	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 215	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 216	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 217	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 218	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 219	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 220	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 221	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 222	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 223	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 224	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 225	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 226	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 227	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 228	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 229	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 230	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 231	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172	H	SAND AND GRAVEL, 0-28FT.
CL 232	411740N072314E.1	CONN WATER CO	1966	110	210	6	68	53	00	28	7-64	20	172		

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTITUDE OF L.S.D. (FT)	CASING DIAMETER (IN)	CASING DEPTH (FT)	DEPTH TO CONSOLIDATED ROCK (FT)	MAJOR ADJUTER	WATER LEVEL (FT)	DATE WATER MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
CO 325	41345500721947.1	COL WATER DEPT	1967	420	2	48	---	00	6	12-67	50	4	U	SCRN148-58FT, 21IN., 0.60IN SAND, 0-58FT, SOME GRAVEL, 137-58FT.
CO 327	41325500722632.1	KELLEY	1961	290	6	16	14	0C	12	9-61	10	18	H	
CO 328	41324900722449.1	W R BODDY	1961	470	6	33	25	0C	25	12-61	18	63	H	
CO 329	41315000722506.1	P KNIGHT	1961	470	6	10	10	0C	8	---	5	52	H	
CO 330	41314300722505.1	F THASCHUK	1962	450	6	15	12	0C	7	7-62	5	94	H	
CO 331	41321100722519.1	R DORNESS	1962	430	6	13	10	0C	6	7-62	7	54	H	
CO 332	41352200722314.1	R MOER	1964	264	6	40	35	0C	10	8-64	18	20	H	
CO 333	41351800722217.2	JIM BURNES	1971	415	6	21	10	0C	25	8-71	18	315	H	CA SAND AND GRAVEL, 0-30 FT.
CO 334	41354700722441.2	TRI-TOWN PLAZA	1971	565	6	41	31	0C	43	2-71	26	182	C	CA COMPOSITE WITH CO 323, TILL, 0-30FT.
CR 82	41362200724242.1	J W KRASHAN	1915	42	6	67	66	05	25	5-15	2	---	S	STRATIFIED DRIFT, 0-66FT.
CR 88	41362000724157.1	T & S HAZELWOOD	---	40	6	10	10	9A	76	---	4	---	H	CA.
CR 96	41365000724203.1	A LEVILLER	1917	140	6	15	3	9A	76	10-17	12	---	Z	WELL DID NOT REACH BEDROCK.
CR 105	41364200724000.1	A J LINDBERG	1924	140	6	15	3	9A	76	10-17	12	---	Z	TILL, 0-60FT.
CR 187	41364200724000.1	ALBERT FABER	1924	140	6	15	3	9A	76	10-17	12	---	Z	TILL, 0-60FT.
CR 188	41344400724003.1	R G EHALD	1929	140	6	60	60	05	25	12-37	15	20	H	WBZ AT 125FT (26PM) AND 375-182FT (56PM).
CR 267	41371100724032.1	G P RAND	1953	185	6	70	67	05	25	7-53	7	60	H	K340+L.
CR 281	41362000723955.1	S KALISH	1955	120	6	42	42	05	30	7-55	10	35	H	CDARSE SAND, 0-20FT, FINE SAND, 20-38FT.
CR 282	41363100724001.1	DAY	1955	130	6	38	38	05	30	9-55	10	38	H	CDARSE SAND, 0-20FT, FINE SAND, 20-38FT.
CR 286	41363600724004.1	A J LINDBERG	1956	140	6	54	40	05	50	1-56	8	40	H	HARDPAN AND SAND, 0-190FT, GRAVEL, 190-195FT.
CR 286	41372000724002.1	NORMAN LEGGORN	1956	145	6	195	195	05	50	7-56	25	75	H	HARDPAN AND SAND, 0-190FT, GRAVEL, 190-195FT.
CR 267	41372300724017.1	A GEIGER	1956	136	6	48	44	05	30	8-56	8	50	H	SAND AND GRAVEL, 0-44FT.
CR 268	41354300723935.1	J DIMAURO	1958	146	6	52	52	05	30	4-58	7	135	H	TILL, 0-52FT.
CR 273	41344700723930.1	J TOCHKO	1944	138	6	77	77	---	40	---	30	4	H	TILL, 0-60FT, GRAVEL AT BOTTOM.
CR 274	41342300724238.1	R SHOP	---	40	6	60	60	05	40	---	4	---	H	H SAND AND SILT, 0-45FT, WBZ AT 60FT (7.56PM) AND 90FT (7.56PM).
CR 312	41370800724009.1	F SEKSESKI	1956	150	6	48	45	05	30	4-56	15	---	H	
CR 313	41364100724002.1	A RUSSELL	1955	52	6	44	40	05	30	8-55	8	80	H	
CR 314	41372900723943.1	S PITRUZZELLO	1962	150	6	198	198	05	30	11-62	18	50	H	
CR 315	41340300723943.1	A N PIERSON	1945	77	6	45	45	05	30	11-62	18	50	H	
CR 316	41353100723909.1	R MERUNKA	1955	25	6	12	12	05	15	9-55	15	45	H	T DRIED UP NEARBY WELLS WHEN PUMPED/ABANDONED.
CR 317	41353700723913.1	V SALVATORE	1955	105	6	13	12	05	15	9-55	15	64	H	SANDY HARDPAN, 0-32FT.
CR 318	41354300723957.1	H MELNER	1955	45	6	43	40	05	20	8-55	12	55	H	K4201 GRAVEL AND BOULDER, 0-40FT.
CR 320	41352600723951.1	LEGHORN NURSERY	1956	140	6	135	135	05	30	4-56	6	185	H	SAND, 0-42FT.
CR 323	41361800724242.1	R SHOP	1957	70	6	35	38	05	18	5-57	15	---	H	K3301 CLAY AND HARDPAN, 0-38FT.
CR 324	41370200724125.1	F BRAUER	1966	128	6	64	59	05	20	8-66	20	80	H	K4301 SAND AND GRAVEL, 0-59FT.
CR 325	41354200723949.1	F PALINO	1971	130	6	98	85	05	40	7-71	4	---	H	K1301 SAND, 0-43FT.
CR 326	41352800723955.1	CMUL AUTO BODY	1964	115	6	52	41	05	20	12-64	4	---	H	K3301 SAND, OVER TILL, 0-85FT.
CR 327	41344200723943.1	WICELL AUTO ASSOC	1971	135	6	60	51	05	35	11-65	15	---	H	CLAY AND HARDPAN, 0-51FT.
CR 328	41353100723943.1	C ROWELL	1964	125	6	104	104	05	40	7-67	18	85	H	
CR 329	41361700724232.1	P KRASHAN	1967	195	6	61	61	05	22	7-67	3	78	H	L.
CR 330	41365800724239.1	DONALD LUCCO	1966	140	6	18	10	05	25	3-66	3	225	H	K3501 L. TRAPROCK EXPOSED NEARBY.
CR 331	41365800724201.1	C SCRIVENER	1967	125	6	51	42	05	20	12-67	30	140	H	K4351 CLAY (TILL), 0-42FT.
CR 332	41370900724105.1	MRS P W RUSSELL	1966	155	6	52	52	05	14	8-66	6	161	H	K2851 CLAY (TILL), 0-52FT.
CR 334	41345700724207.1	H SZYANSKI	1965	105	6	23	3	05	10	4-65	3	240	H	
CR 335	41370900724212.1	F FIEKLEY	1966	80	6	13	3	05	25	7-66	2	225	H	L.
CR 336	41371200724224.2	RICHARD WISE	1964	110	6	137	137	05	50	8-66	16	50	H	L.
CR 337	41364000724234.1	ALCAP WFG	1968	130	6	201	181	05	20	9-68	100	340	N	TILL, 0-181FT.
CR 338	41352600723902.1	M GUGLIELMO	1965	20	6	55	45	05	20	5-65	9	125	H	K4301 SAND, 0-45FT.
CR 339	41371300724072.1	P GOODRICH	1965	160	6	84	78	05	20	2-65	10	150	H	TILL, 0-78FT.
CR 340	41363900724073.1	F MONNES	1967	140	6	30	18	05	20	10-67	60	195	H	TILL, 0-38FT.
CR 341	41352600724015.1	LEGHORN NURSERY	1965	140	6	22	14	05	18	17-65	20	112	H	K4001 TILL, 0-14FT.
CR 342	41352600724015.1	LEGHORN NURSERY	1965	140	6	22	14	05	18	17-65	20	112	H	K4001 TILL, 0-14FT.
CR 343	41374200724036.1	S HRACICFORTE	1968	120	6	57	41	05	20	10-68	45	170	C	K4301 SAND, 0-43FT.
CR 344	41374200724036.1	M E SEROLD	1970	130	6	70	62	05	25	12-70	5	---	C	K315F.
CR 345	41343900724009.1	C JOHNSON	1966	160	6	75	67	05	30	7-66	40	145	H	TILL, 0-67FT.
CR 346	41372800724033.1	THOMAS PKG STOPF	1967	140	6	23	20	05	20	3-67	1A	51	C	K435 L.
CR 347	41350000724001.1	CHARLES COTA	1964	140	6	140	140	05	20	2-64	1A	140	H	TILL, 0-60FT.
CR 348	41352600723955.1	F PALINO	1965	145	6	42	35	05	30	8-65	35	120	H	TILL, 0-36FT.
CR 349	41354200723958.1	F PALINO	1971	170	6	84	72	05	30	8-71	10	---	H	K440 L.
CR 350	41361100724202.1	S CANNATA	1972	20	10	10	5	05	2	7-72	4	167	C	L. TP 72HRS.
CR 351	41361100724202.1	S CANNATA	1972	20	10	10	5	05	2	7-72	4	167	C	K640 L. WBZ AT 422FT (1.56PM) AND 130FT (4.56PM), TP 72HRS.
CR 352	41362800724105.1	CROMWELL HILLS	1970	69	4	34	4	05	28	A-70	50	172	P	CB, L. WELL 2.
CR 353	41362800724105.1	CROMWELL HILLS	1970	28	4	42	42	05	28	A-70	50	172	P	L. WELL 3.
DR 1	41273900722551.1	TESS CARINI	1955	50	6	21	21	0C	15	11-55	5	95	H	CAI, CB, SCRN 73-75FT, WELL 3 IS DUG, 75FT SOUTH.
DR 2	41264400722555.1	I GRAVES	1955	70	6	25	25	0C	10	9-55	5	115	H	
DR 3	41265300722553.1	L PLATT	1955	125	6	12	2	0C	45	7-55	5	57	H	
DR 4	41265300722553.1	L PLATT	1955	125	6	12	2	0C	45	7-55	5	57	H	
DR 5	41265300722553.1	L PLATT	1955	125	6	12	2	0C	45	7-55	5	57	H	
DR 6	41261600722577.1	T BATKO JR	1971	145	6	73	75	0D	8	6-71	10	---	H	

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTI- TUDINE OF L.S.D. (FT)	WELL DEPTH (FT)	CASING DEPTH (IN)	CASING DEPTH (FT)	CONSOLI- DATION DEPTH (FT)	MAJOR ADJUTER (FT)	WATER LEVEL (FT)	DATE MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
DR 7	412151N0722813.1	WILLIAM FRITES	1962	220	220	6	31	20	OC	25	9-62	1	195	H	SAND AND GRAVEL, 0-20FT.
DR 8	412225N0722626.1	THOMAS BRESLIN	1971	210	169	6	14	5	OC	30	1-71	20	45	H	SAND AND TILL, 0-35FT.
DR 9	412315N0722449.1	HERMAN SEID	1971	25	400	6	40	35	OC	25	3-71	6	--	U	SAND AND GRAVEL, 0-75FT.
DR 10	412216N0727744.2	T. RAYCO JR	1971	145	80	6	75	10	OC	3	1-66	4	137	H	TILL, 0-30FT.
DR 11	412313N0722845.1	IRVING CHASE	1966	25	155	6	37	30	OC	3	1-66	4	137	H	TILL, 0-30FT.
DR 12	412137N0722932.1	PAUL LOMBARDO	1969	365	130	6	21	10	OC	19	10-69	20	111	H	TILL, 0-10FT.
DR 13	412126N0722901.1	WILLIAM PESSLER	1966	300	265	6	43	30	OC	20	10-66	45	110	H	L.WBZ AT 90FT (10GPM) AND 255-260FT (1.5GPM).
DR 14	412550N0722900.1	B. LEVY-MALCARE	1971	345	220	6	20	8	OC	50	6-71	8	175	H	TILL, 0-29FT.
DR 15	412155N0722924.1	E. LAWRENCE	1965	315	62	6	34	34	OC	6	10-65	20	4	H	TILL, 0-38FT, TP 24HRS.
DR 17	412303N0722427.1	JOSEPH BELLA	1965	230	250	6	16	7	OC	8	1-65	2	242	H	CA, TILL, 0-34FT.
DR 18	412249N0722634.1	ARTHUR MENZEL	1963	75	93	6	34	34	OC	14	12-63	15	61	H	CA, SAND AND GRAVEL, 0-18FT.
DR 19	412242N0722555.1	RICHARD RANKIN	1964	60	127	6	24	18	OC	6	4-64	10	114	H	TILL, 0-25FT.
DR 20	412554N0722659.1	HAROLD LATHAM	1971	85	150	6	31	25	OC	30	9-71	12	--	H	TILL, 0-25FT.
D 18	412739N0722425.1	M. CHISZEVSKY	1934	290	240	6	100	10	OS	100	6-34	10	--	S	CA, CH, REPORTED TO HAVE AN 80FT HEAD AT ONE TIME.
D 20	412734N07224159.1	TONY GALTARIANO	1988	170	980	2	--	--	OS	12-71	3	--	S	CA, CH, REPORTED TO HAVE AN 80FT HEAD AT ONE TIME.	
D 24	412724N0722403.1	H. F. GARRETT	1931	330	134	6	10	2	OC	22	6-31	4	--	S	TILL, 0-50FT.
D 25	412724N0722403.1	F. BURR	1932	350	110	6	10	4	OC	20	10-32	4	--	S	TILL, 0-50FT.
D 26	412762N0722403.1	J. R. CLARK	1924	235	115	6	60	50	OS	14	7-33	11	2	H	TILL, 0-50FT.
D 29	412762N0722403.1	C. ARITOGNI	1933	210	138	6	30	18	OC	2	7-33	11	2	H	TILL, 0-50FT.
D 41	412828N0722401.1	NH TRAP ROCK CO	1954	350	335	10	8	0	OS	0	8-54	60	20	H	TRAP ROCK, 0-190FT, SANDSTONE, 190-335FT.
D 50	412813N0722403.1	DURHAM CTR CO	1965	200	285	8	30	22	OS	20	8-55	10	30	H	CA, YIELD 8GPM IN OCT. 1972.
D 51	412814N07224106.1	J. C. LEE	1959	190	186	6	109	80	OS	80	8-55	10	30	H	TILL, 0-90FT.
D 52	412852N07224145.1	J. CARTA	1961	340	155	6	136	130	OS	20	11-61	20	135	H	TILL, 0-50FT.
D 53	412557N07224126.1	JAMES BLOIS	1956	230	110	6	53	30	OC	25	8-56	4	35	H	K300, SAND AND GRAVEL, 0-30FT.
D 54	412847N07224035.1	JOHN CICHON	1955	195	120	6	50	46	OS	0	8-55	6	90	H	K245, CLAY OVER TILL, 0-46FT.
D 55	412910N07224116.1	F. LAURENZA	1955	225	312	6	13	4	OS	25	8-55	20	125	H	L. K238, DD.
D 56	412813N07224105.1	WM PARSONS CO	1956	280	182	8	41	40	OS	15	2-52	30	35	N	TILL, 0-20FT.
D 57	412925N07224105.1	W. N. BALDWIN	1958	320	334	6	25	20	OS	30	1-58	5	--	H	TILL, 0-20FT.
D 58	412923N07223934.1	W. N. BALDWIN	1958	320	334	6	25	20	OS	30	1-58	5	--	H	TILL, 0-20FT.
D 59	412838N07224051.1	DURHAM MFG CO	1960	220	750	8	84	12	OS	30	1-60	5	370	N	TILL, 0-12FT.
D 60	412836N07224023.1	DURHAM ELEM SCH	1962	194	255	8	47	37	OS	2	1-62	24	168	T	K305, RED SILT OVER CLAY AND FINE SAND, 0-37FT, TP 23HRS.
D 61	412836N07224023.1	G. G. CURTIS	1961	365	200	6	18	7	OS	20	8-61	2	180	H	K305, TILL, 0-7FT.
D 62	412738N07224147.1	IRVING GROSSMAN	1959	160	97	6	19	7	OS	15	7-59	6	A2	H	CA, L.
D 63	412828N07224046.1	W. HURRARD	1963	220	250	6	41	20	OS	20	7-63	210	0	H	TILL, 0-20FT.
D 64	412644N07224262.1	R. JUREVAK	1969	290	138	6	67	42	OS	10	5-49	7	30	H	K300.
D 65	412743N07224213.1	E. H. GRISWOLD	1964	240	130	6	21	7	BA	21	10-64	4	109	H	CLAY (TILL), 0-40FT.
D 66	412820N07224284.1	HENRY PUGAT	1964	255	130	6	40	40	OS	10	12-66	30	120	H	CLAY (TILL), 0-40FT.
D 67	412905N07224355.1	C. J. PYSAT	1964	440	190	6	22	10	OS	20	8-68	22	170	H	K324, TILL, 0-19FT.
D 68	412944N07223941.1	C. CAMPBELL	1971	315	85	6	23	10	OS	15	4-71	22	70	H	K405, TILL, 0-10FT.
D 69	412708N0724153.1	JAMES BREAN	1966	275	130	6	20	2	BA	20	10-66	5	110	H	TILL, 0-68FT.
D 70	412705N07224129.1	R. MOORE	1967	300	175	6	71	68	BA	30	8-72	6	145	H	TILL, 0-68FT.
D 71	412711N07224204.1	F. B. TURBY	1965	230	235	6	11	2	BA	21	12-65	6	214	H	K275, 0-22FT.
D 72	412559N07224242.1	A. JOHNSON CONST	1971	340	235	6	45	22	OS	40	5-71	4	195	H	TILL, 0-22FT.
D 73	412928N07223918.1	ARMER NEWTON	1971	350	175	6	21	9	OS	25	7-71	60	150	H	K360, TILL, 0-9FT.
D 74	412939N0723902.1	R. NEWTON	1968	400	295	6	20	5	OS	18	4-68	22	187	H	K390, TILL, 0-5FT.
D 75	412946N07224029.1	COLGROOVE	1965	250	175	6	14	3	OS	20	1-65	4	155	H	HARDPAN, 0-58FT.
D 76	412913N07224012.1	GOODWIN	1967	260	237	6	64	58	OS	30	5-67	4	207	H	K380, THARSPAN, 0-18FT.
D 77	412920N07223947.1	DAN BARRETT	1966	260	220	6	26	18	OS	3	6-66	18	217	H	K400, TILL, 0-18FT.
D 78	412846N07224056.1	CARL HECK	1968	225	190	6	30	9	OS	20	12-68	30	170	H	K480, TILL, 0-9FT.
D 79	412828N0724052.1	V. SZPAKOWSKI	1967	340	143	6	26	20	OS	20	1-67	12	123	H	K780, TILL, 0-20FT.
D 80	412813N07224012.1	M. PETROCELLI	1968	275	175	6	28	19	OS	20	10-68	4	155	H	K275, WATER REPORTED VERY HARD.
D 81	412731N07223812.1	S. WEGENER CONST	1971	590	200	6	17	6	OC	20	5-68	30	180	H	K275, WATER REPORTED VERY HARD.
D 82	412801N07223902.1	S. WEGENER CONST	1971	550	475	6	21	4	OC	21	8-71	1	454	H	K275, WATER REPORTED VERY HARD.
D 83	412801N07223944.1	M. CAMIOTZI	1965	335	235	6	13	2	OC	7	12-45	6	228	H	K275, WATER REPORTED VERY HARD.
D 84	412720N07224010.1	ETON VALLEY	1965	370	115	6	20	10	OC	19	0-65	10	96	H	K275, WATER REPORTED VERY HARD.
D 85	412639N07223959.1	W. KACZYNSKI	1967	385	145	6	20	8	OC	10	4-67	45	105	H	K275, WATER REPORTED VERY HARD.
D 86	412639N07223959.1	J. SCRIPPO JR	1967	380	145	6	23	10	OC	20	11-67	13	125	H	K275, WATER REPORTED VERY HARD.
D 87	41261N07224008.1	FRED SHINE	1964	435	325	6	19	5	OC	20	4-68	18	200	H	K240.
D 88	412650N07224133.1	A. BERTUGLIA	1764	365	355	6	21	3	BA	40	7-64	15	315	H	GRAVEL, 0-10FT.
D 89	412725N07224044.1	LEON WAY	1964	190	228	6	21	10	OS	17	12-64	2	203	H	GRAVEL, 0-10FT.
D 90	412833N07224053.1	L. MARKHAM	1966	230	145	6	38	20	OS	20	8-66	15	125	H	TILL, 0-29FT.
D 91	412810N07224103.1	DURHAM FAIR	1964	170	528	6	42	20	OS	20	7-64	2	508	Z	CLAY OVER TILL, 0-20FT.
D 92	412706N0724122.1	A. PANTIDONA	1964	290	145	6	21	10	OS	20	7-64	5	110	H	K220.
D 93	412711N07224114.1	DANIEL KELLISH	1966	295	115	6	22	13	OS	12	1-66	8	103	H	TILL, 0-24FT.
D 94	412612N07224237.1	DODGE STASIAK	1967	340	115	6	25	17	OS	24	11-67	50	91	H	K500, TILL, 0-17FT.
D 95	412614N07224249.1	JOHN SOFFER	1964	315	100	6	34	23	OS	20	11-64	8	A0	H	K300, SAND AND GRAVEL, 0-23FT.
D 96	412651N07224269.1	S. PAGANETTI	1967	285	115	6	20	4	OS	10	5-67	90	105	H	TILL, 0-24FT.
D 97	412756N07224299.1	RICHARD JOHN	1965	280	175	6	31	21	OS	25	1-65	6	150	H	TILL, 0-24FT.
D 98	412722N07224230.1	A. GAPPANGELO	1965	280	325	6	21	4	OS	21	11-65	18	304	H	TILL, 0-24FT.

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTY- TUDE DEPTH (FT)	CASING DIAM- ETER (IN)	CASING DEPTH (FT)	DEPTH TO CONSOLI- DATED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE WATER LEVEL MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
D 99	412715N0724236-1	ROBERT MAKUCIN	1968	250	6	20	3	OS	20	6-69	4	230	H	K300TILL, O-21FT.
D 100	412635N0724219-1	RICHARD MORSE	1966	240	6	40	21	OS	10	10-66	18	135	H	K480TILL, O-47FT.
D 101	412651N0724231-1	DAZEK BROS	1964	135	6	102	28	OS	20	12-64	10	100	H	K355TILL, O-28FT.
D 102	412688N0723913-1	JOHN WYCKOFF	1965	315	6	35	28	OS	20	1-65	17	40	H	K355TILL, O-28FT.
D 103	412651N0724002-1	JAMES RICCIO	1966	265	6	20	10	OS	20	10-66	11	110	H	K355TILL, O-28FT.
D 104	412688N0723913-1	CLARENCE CASE	1970	305	6	40	21	OS	22	12-70	22	83	H	K400TILL, O-21FT.
D 105	412635N0724219-1	T. FORLINSKY	1966	115	6	10	28	BA	26	8-65	2	232	H	CA-SAND AND GRAVEL, O-26FT.
D 106	412715N0724231-1	THOMAS TAYLOR	1967	230	6	30	3	BA	26	8-65	4	193	H	CA-SAND AND GRAVEL, O-26FT.
D 107	412688N0723913-1	J. BERTOLINI	1971	250	6	60	55	OS	32	5-71	20	112	H	CA-SAND AND GRAVEL, O-26FT.
D 108	412651N0724002-1	GOLFORTH	1971	280	6	20	7	OS	18	5-71	20	112	H	CA-SAND AND GRAVEL, O-26FT.
D 109	412601N0724242-1	ROOSE	1971	390	6	37	18	OS	20	5-71	11	130	H	CA-SAND AND GRAVEL, O-26FT.
D 110	412715N0724231-1	O. MCKERNAN	1961	160	6	17	7	OS	10	10-61	20	72	H	SAND AND GRAVEL, O-35FT.
D 111	412715N0724231-1	LOUIS MCKERNAN	1972	370	6	17	7	OS	10	11-72	6	85	H	DDIFLOWS 20GPM; TILL, O-37FT.
D 112	412739N0724032-1	L. A. MORETTINI	1972	300	6	34	17	OS	10	12-72	90	180	H	DDIFLOWS 20GPM; TILL, O-37FT.
EHD 50	413103N0722066-1	LAKE HAYWARD CO	1929	465	8	--	--	OC	13	11-29	50	--	P	WELL 1.
EHD 266	412635N0722602-1	FRED BALLEK JP	--	280	6	--	40	OC	26	10-35	30	--	H	TILL, O-40FT.
EHD 315	412688N0723913-1	CLARA BENTLEY	1969	185	6	145	140	OC	26	11-35	--	--	H	TILL, O-40FT.
EHD 316	413026N071938-1	LAKE HAYWARD CO	1953	372	8	23	7	OC	23	7-59	50	--	H	UNPUBLISHED U.S.G.S. PARTIAL ANALYSIS AVAILABLE, WELL 2.
EHD 319	413110N0722010-1	P. SCHIEBLE	1955	430	6	18	10	OC	37	7-55	6	--	H	CA-SAND AND GRAVEL, O-26FT.
EHD 320	413121N0721935-1	LLOYD HAYES	1971	370	6	41	30	OC	F	4-71	6	205	H	CA-SAND AND GRAVEL, O-30FT.
EHD 321	413019N0722650-1	WOODS P. O.	1968	232	6	40	25	OC	30	5-68	15	110	H	CA-SAND AND GRAVEL, O-25FT.
EHD 322	412715N0724231-1	PETER TRELLA	1969	325	6	18	6	OC	20	11-68	6	125	H	CA-SAND AND GRAVEL, O-25FT.
EHD 323	412635N0724219-1	THOMAS S. WILL	1970	320	6	160	21	OC	21	10-70	22	139	H	CA-SAND AND GRAVEL, O-25FT.
EHD 324	412641N0722739-1	EDWARD WILLIAMS	1966	340	6	62	56	OC	23	4-66	7	105	H	CA-SAND AND GRAVEL, O-25FT.
EHD 325	413019N0722650-1	END DEV CORP	1971	250	6	21	5	OC	24	10-71	60	110	C	SAND AND GRAVEL, O-52FT.
EHD 326	413019N0722650-1	WHEEL & TRACK	1971	230	6	58	51	OC	24	12-71	5	169	C	SAND AND GRAVEL, O-52FT.
EHD 327	412651N0724002-1	LOUISE HALPERIN	1971	310	6	48	40	OC	15	9-71	8	215	H	SAND, O-9FT.
EHD 328	412715N0724231-1	ST STEPHENS	1972	90	6	275	9	OC	25	1-72	6	--	H	TILL, O-70FT.
EHD 329	412635N0722602-1	CHARLES FARROW	1971	280	6	74	70	OC	40	10-71	18	120	H	TILL, O-70FT.
EHD 95	413251N0722649-1	SALMON R ST PK	--	120	8	--	--	OC	F	8-57	30	--	T	WATER HAS VERY HIGH IRON CONTENT.
EHD 144	413131N0723310-1	HURD STATE PARK	1924	15	6	15	27	OC	32	8-57	2	--	P	TILL, O-79FT.
EHD 145	413131N0723310-1	HURD STATE PARK	1924	170	6	12	12	OC	32	2-54	10	--	P	CA-SAND AND GRAVEL, O-25FT.
EHD 355	413260N0722602-1	ALICE FORD	1964	310	6	81	79	OC	195	9-47	25	--	P	WELL 2.
EHD 364	413411N0723057-1	LAKEWOOD PD CO	1947	537	12	60	60	OC	F	9-47	25	--	P	WELL 2.
EHD 365	413411N0723057-1	LAKEWOOD PD CO	--	400	12	60	--	OC	4	1-62	12	15	U	CB-SAND AND GRAVEL, O-25FT.
EHD 366	413411N0723057-1	LAKEWOOD PD CO	1962	365	4	58	--	OC	4	1-62	12	15	U	CB-SAND AND GRAVEL, O-25FT.
EHD 370	413440N0723156-1	TOWN E HAMPTON	1962	365	4	58	--	OC	4	1-62	12	15	U	CB-SAND AND GRAVEL, O-25FT.
EHD 371	413440N0723156-1	TOWN E HAMPTON	1962	365	4	58	--	OC	4	1-62	12	15	U	CB-SAND AND GRAVEL, O-25FT.
EHD 375	413306N0722761-1	WIDSTATE REGION	1964	36	2	21	21	OC	5	1-65	5	--	U	CB-SAND AND GRAVEL, O-25FT.
EHD 376	413306N0723347-1	WIDSTATE REGION	1965	36	2	21	21	OC	5	1-65	5	--	U	CB-SAND AND GRAVEL, O-25FT.
EHD 377	413457N0723055-1	EMM HIGH SCHOOL	1943	550	8	165	155	OC	51	6-63	20	175	T	CB-SAND AND GRAVEL, O-25FT.
EHD 378	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 379	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 380	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 381	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 382	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 383	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 384	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 385	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 386	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 387	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 388	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 389	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 390	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 391	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 392	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 393	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 394	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 395	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 396	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 397	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 398	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 399	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 400	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 401	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 402	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 403	413457N0723055-1	EMM HIGH SCHOOL	1943	547	8	115	105	OC	14	4-63	4	236	T	CB-SAND AND GRAVEL, O-25FT.
EHD 404	413727N0723041-1	JOSEPH RANNING	1971	635	6	70	65	OC	20	10-71	10	140	H	TILL, O-45FT.
EHD 405	413727N0723041-1	JOSEPH RANNING	1971	635	6	70	65	OC	20	10-71	10	140	H	TILL, O-45FT.
EHD 406	413727N0723041-1	JOSEPH RANNING	1971	635	6	70	65	OC	20	10-71	10	140	H	TILL, O-45FT.
EHD 407	413727N0723041-1	JOSEPH RANNING	1971	635	6	70	65	OC	20	10-71	10	140	H	TILL, O-45FT.
EHD 408	413727N0723041-1	JOSEPH RANNING	1971	635	6	70	65	OC	20	10-71	10	140	H	TILL, O-45FT.

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTITUDE OF L.S.D. (FT)	WELL DEPTH (FT)	CASING DIAMETER (IN)	CASING DEPTH (FT)	DEPTH TO CONSOLIDATED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
EHM 409	413304N0722700-1	CONN FISH GAME	1966	75	50	2	41	--	00	5	8-66	65	--	U	L1:SCRNI-42-50FT, 2IN., 0.60IN; TEST WELL 3, SITE 7.
EHM 410	413303N0722658-1	CONN FISH GAME	1966	75	56	2	47	--	00	7	7-66	75	--	U	L1:SCRNI-47-56FT, 2IN., 0.60IN; TEST WELL 7, SITE 3.
ES 90	412218N0722331-1	HERITAGE APTS	1965	20	41	8	36	--	00	20	10-65	100	7	P	CA1:SCRNI-36-42FT, 8IN., 0.40IN; WELL 2.
ES 91	412218N0722331-2	HERITAGE APTS	1965	20	70	8	62	--	00	20	10-65	25	36	P	CA1:SCRNI-62-66FT, 8IN., 0.08IN; 166-70FT, 8IN., 0.05FT.
ES 92	412136N0722414-2	CONN WATER CO	1962	14	51	18	41	--	00	5	8-62	250	33	P	L1:SCRNI-42-58FT, 30IN., 1.20IN; TP 79HRS; DENNISON WELL.
ES 99	412024N0722327-1	FRED EDMOND	1962	55	114	6	26	25	00	37	10-62	9	70	H	L1:SCRNI-80-90FT, 8IN., 0.40IN.
ES 100	412103N0722443-1	VALLEY METAL	1963	40	74	8	60	55	00	18	9-62	160	60	H	GRAVEL, 0-78FT; NO BEDROCK.
ES 101	412130N0722423-1	FRED EDMOND	1962	40	74	6	78	66	00	20	9-62	15	80	H	TILL AND BOULDERS, 0-38FT.
ES 102	412037N0722649-1	MARGRET PURCELL	1962	115	114	6	69	6A	00	15	9-62	10	--	H	L1.
ES 103	412042N0722330-1	SEELEY	1965	18	185	6	96	90	00	15	9-62	10	--	H	L1.
ES 104	412108N0722513-1	M E RANNO	1964	60	190	6	12	3	00	30	10-64	60	160	H	TILL, 0-38FT.
ES 105	412108N0722513-2	GEORGE CONNER	1964	115	115	6	45	34	00	22	10-64	10	93	H	TILL AND BOULDERS, 0-50FT.
ES 106	412037N0722511-1	JAMES PARTIST	1964	184	310	6	18	50	00	40	1-64	6	110	H	TILL.
ES 107	412041N0722742-1	HENRY HALLWEDAL	1969	260	310	6	14	2	00	40	1-69	1	210	H	TILL.
ES 108	412118N0722354-1	ALEX VAITOOK	1971	75	130	6	17	5	00	20	8-71	45	110	H	TILL.
ES 109	412241N0722329-1	GEORGE CONNER	1967	120	175	6	67	63	00	20	8-67	8	--	H	GRAVEL, 0-63FT.
ES 110	412055N0722512-1	MOLIN	1971	52	250	6	32	27	00	20	3-71	15	230	H	SAND AND GRAVEL, 0-27FT.
ES 111	412136N0722435-1	DEAN WENGER	1965	52	115	6	12	6	00	18	12-65	10	96	H	CA.
ES 112	412136N0722435-2	DEAN WENGER	1967	178	144	6	40	38	00	23	11-67	15	96	H	CA.
ES 113	412057N0722517-1	JOHN WIEZESKI	1964	48	190	6	94	45	00	15	8-64	3	185	H	CA; SAND AND GRAVEL, 0-48FT.
ES 114	412039N0722455-1	BLU-RAY	1963	40	54	6	54	--	00	10	8-63	30	25	C	CA; COARSE GRAVEL, 0-54FT.
ES 115	412021N0722422-1	LOREN F KAHLE	1967	25	166	6	51	40	00	30	1-67	4	130	H	CA; SAND AND FINE GRAVEL, 0-40FT.
ES 116	412136N0722414-1	CONN WATER CO	1959	14	50	8	40	56	00	3	5-59	180	23	U	L1:SCRNI-40-50FT, 8IN., 0.40IN; DENNISON TEST WELL 3.
ES 117	412118N0722424-1	CONN WATER CO	1953	16	43	12	26	54	00	3	7-53	400	28	P	L1:SCRNI-26-36FT, 1.2IN., 0.40IN; 36-43FT, 2.2IN., 0.60IN; TP 120HRS.
G 2	412312N0724439-1	H LEROY POTTER	--	335	76	6	2	2	BA	30	--	4	--	H	TILL, 0-50FT.
G 27	412217N0724036-1	T HILL ESTATE	1931	300	117	6	50	50	05	9	-31	3	--	H	SAND AND GRAVEL, 0-8FT.
G 64	411554N0724131-1	R H WOODRUFF	1927	175	150	6	25	25	00	70	-27	4	--	H	TILL, 0-25FT.
G 85	411446N0724132-1	L WILLIAMS	1925	103	64	6	30	30	00	4	-25	20	--	H	TILL, 0-30FT.
G 124	411742N0723938-1	CONN. WATER CO	1956	16	98	12	66	91	00	3	3-56	800	26	P	CA; COARSE GRAVEL, 0-85FT, 1.2IN., 2.00IN; TP 72HRS.
G 374	411732N0724132-1	CONN. WATER CO	1956	16	98	12	66	91	00	3	3-56	800	26	P	TILL, 0-30FT.
G 383	412302N0724436-1	VINCENT MCGRAFT	1957	330	97	6	24	16	05	20	1-57	12	40	H	TILL, 0-30FT.
G 384	411938N0724119-1	TAN OF GUILFORD	1957	50	185	6	81	45	00	15	2-57	33	45	P	GRAVEL, 0-45FT.
G 385	411938N0724119-2	JOSEPH THOMAS	1958	240	135	6	74	60	00	19	6-58	4	116	H	TILL, 0-60FT.
G 386	411938N0724119-3	JOSEPH THOMAS	1958	240	135	6	74	60	00	19	6-58	4	116	H	TILL, 0-60FT.
G 387	412142N0724409-1	H BULLARD	1968	350	140	6	26	0	00	100	7-68	30	40	H	L.
G 388	412213N0724338-1	FRANK MASTRANO	1971	335	320	6	46	38	05	30	12-71	1	290	H	TILL, 0-38FT.
G 389	411910N0724202-1	PINEWOOD ESTATE	1967	60	30	10	22	37	00	5	6-67	100	10	P	L1:SCRNI-20-30FT, 30IN., 0.40IN; PULLED BACK FROM 40FT.
G 390	411545N0724058-1	MAUDE SAXON	1967	15	150	6	33	23	00	6	8-67	4	144	H	GRAVEL, 0-23FT.
G 391	411716N0724159-1	ROBERT CRUM	1970	22	200	6	60	60	00	13	11-70	4	187	H	SAND, 0-60FT.
G 392	412323N0724139-1	R WALIGORSKI	1966	250	95	6	21	20	00	15	6-65	5	80	H	TILL, 0-20FT.
G 393	411856N0723831-1	ANDERSON-WILCOX	1971	175	325	6	100	85	00	30	6-71	75	295	H	TILL, 0-85FT.
G 394	411953N0723831-1	ANDERSON-WILCOX	1970	175	180	6	75	65	00	26	10-70	100	144	H	TILL, 0-25FT.
G 395	411735N0723911-1	DOUGLAS LAPHAM	1971	125	140	6	40	25	00	20	4-71	6	120	H	GRAVEL, 0-25FT.
G 396	411728N0723933-1	EARL R KELLOGG	1966	110	207	6	100	80	00	45	11-66	10	162	H	TILL, 0-80FT.
G 397	411835N0724121-1	HAROLD JESCHER	1966	120	255	6	34	22	00	50	9-66	30	205	H	TILL, 0-22FT.
G 398	412213N0724330-1	PAUL PUTNAM FORD	1964	260	300	6	40	0	05	30	12-68	1	270	H	TILL, 0-38FT.
G 399	411938N0724119-1	R W J BULLIDERS	1963	350	400	6	40	14	05	58	11-71	5	342	T	TILL, 0-38FT.
G 400	411938N0724119-2	R W J BULLIDERS	1963	350	400	6	40	14	05	58	11-71	5	342	T	TILL, 0-38FT.
G 401	411910N0724054-1	SHORE VALLEY RD	1969	390	220	6	43	76	00	3	8-69	50	70	P	L1:SCRNI-43-50FT, 8IN., 0.30IN; WELL 1.
G 402	412239N0724302-1	FRANCES PATERNO	1965	390	220	6	20	0	05	150	5-65	12	70	H	SAND AND GRAVEL, 0-38FT.
G 403	411910N0724029-1	LONDON HALL	1969	95	390	6	20	0	00	40	10-69	100	350	H	SAND AND GRAVEL, 0-425FT.
HD 112	412930N0723508-1	J R BAILEY	1911	280	112	6	---	28	00	52	5-11	4	--	H	SAND AND GRAVEL, 0-12FT; NBZ AT 83FT.
HD 413	412950N0723057-1	HARVEY J BROOKS	1957	75	90	6	12	12	00	28	11-57	3	--	H	L1:SCRNI-103-114FT, 10IN., 0.08IN; WELL 1.
HD 414	412930N0723057-2	NORTHEAST UTIL	1963	10	116	10	103	116	00	6	11-63	400	92	N	LCT; SCRNI-146-57FT, 30IN., 0.60IN; TP 54HRS; WELL 2.
HD 415	412945N0722929-1	NORTHEAST UTIL	1963	10	57	10	46	--	00	30	11-63	300	30	N	LCT; SCRNI-146-57FT, 30IN., 0.60IN; TP 54HRS; WELL 2.
HD 416	412945N0722929-2	NORTHEAST UTIL	1963	10	47	10	37	--	00	6	11-63	300	16	N	CB; L1:SCRNI-37-47FT, 30IN., 0.60IN; WELL 3.
HD 417	412945N0722929-3	NORTHEAST UTIL	1963	10	30	6	22	18	00	30	9-70	3	260	H	TILL, 0-38FT.
HD 418	412945N0722929-4	NORTHEAST UTIL	1963	10	30	6	22	18	00	30	9-70	3	260	H	TILL, 0-38FT.
HD 419	412945N0722929-5	NORTHEAST UTIL	1963	10	30	6	22	18	00	30	9-70	3	260	H	TILL, 0-38FT.
HD 420	412945N0722929-6	NORTHEAST UTIL	1963	10	30	6	22	18	00	30	9-70	3	260	H	TILL, 0-38FT.
HD 421	412945N0722929-7	NORTHEAST UTIL	1963	10	30	6	22	18	00	30	9-70	3	260	H	TILL, 0-38FT.
HD 422	412740N0722844-1	P ALDERMAN	1964	48	254	6	128	125	00	77	4-64	10	177	H	SAND AND GRAVEL, 0-425FT.
HD 423	412740N0722844-2	CT STATE FOREST	1971	150	130	6	25	5	00	19	4-71	0.2	111	P	TILL, 0-35FT.
HD 424	412513N0723403-1	MICHAEL MASSINA	1969	545	72	6	35	35	00	6	7-69	30	14	H	TILL, 0-32FT.
HD 425	412913N0723202-1	MYRON FOSTER	1970	265	120	6	40	32	00	20	8-64	10	100	H	CA; TILL, 0-32FT.
HD 426	412945N0723129-1	J WALTERS	1966	240	98	6	11	6	00	20	6-66	6	78	H	SAND AND GRAVEL, 0-40FT.
HD 427	412902N0723328-1	DAVID SKYES	1964	170	175	6	15	6	00	25	11-64	3	150	H	CA; TILL, 0-20FT.
HD 428	412930N0723067-1	MRS E PATTEE	1964	90	205	6	47	40	00	24	10-64	10	181	H	SAND AND GRAVEL, 0-40FT.
HD 429	412800N0723054-1	N S NOBERT JR	1969	140	175	6	20	20	00	1	1-69	2	160	H	CA; TILL, 0-20FT.
HD 430	412929N0723149-1	WILLIAM SMITH	1966	235	120	6	15	9	00	15	6-66	6	105	H	CA; TILL, 0-20FT.

TABLE 1-RECORDS OF WELLS--CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTI- TUDINE OF L.S. (FT)	WELL DEPTH (FT)	CASING DIAM- ETER (IN)	CASING DEPTH (FT)	DEPTH TO CONSOLI- DATED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE WATER MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
HD 431	412852N0723114.1	HYFED NATL BANK	1965	100	380	6	29	20	OC	18	1-65	4	362	T	CA TILL, O-20FT.
HD 432	412909N0723130.1	W MILLARD	1971	155	400	6	22	1	OC	27	1-71	1	373	H	DD SAND AND GRAVEL, O-80FT.
HD 433	412928N0723435.1	SACRED HEART	1964	190	250	6	90	80	OC	F	0-64	10	250	H	TILL, O-55FT.
HD 434	412954N0723412.1	LLOYD GRAVES	1965	190	130	6	60	55	OC	35	11-65	12	67	H	SAND, O-26FT.
HD 435	412909N0723449.1	D S MACGLASHAN	1964	85	85	6	32	26	OC	18	10-64	12	67	H	TILL, O-26FT.
HD 436	412928N0723464.1	NETL TULLIE	1965	182	205	6	124	118	OC	40	11-65	12	---	H	TILL, O-138FT.
HD 437	412954N0723492.1	SHAKEL TULLOWES	1969	167	455	6	75	20	OC	30	12-67	8	---	H	L.
HD 438	412954N0723501.1	FRED CHARRIS	1969	630	658	6	62	2	OC	85	1-69	25	50	H	SAND, O-35FT, GRAVEL, 35-58FT.
HD 439	412643N0723752.1	OLGA HARRIS	1969	58	158	6	62	2	OC	85	1-69	25	50	H	SAND AND GRAVEL, O-90FT.
HD 440	412652N0723831.1	TYROL & WETHEY	1964	52	145	6	95	90	OC	25	8-64	20	110	C	SAND AND GRAVEL, O-29FT.
HD 441	412657N0723829.1	L L BUILDERS	1970	287	205	6	36	29	OC	2	10-70	3	203	H	SAND AND GRAVEL, O-29FT.
HD 442	412647N0723507.1	JAMES CASSELLA	1967	440	290	6	40	35	OC	11	4-67	4	---	H	L.
HD 443	412708N0723942.1	MICHAEL MASSINA	1970	341	100	6	12	6	OC	20	9-70	30	65	H	SAND AND GRAVEL, O-13FT.
HD 444	412708N0723942.1	WILLIAM GRADNER	1964	82	127	6	118	110	OC	50	8-64	30	15	H	CA.
HD 445	412708N0723942.1	HUMPHREY	1971	345	80	6	13	11	OC	10	5-71	30	15	H	CA.
HD 446	412719N0723948.1	POPS STAND	1971	75	190	6	22	3	OC	F	3-71	90	190	C	DD.
HD 447	412719N0723948.1	F KETSER	1971	102	102	6	22	3	OC	F	3-71	90	190	C	DD.
HD 448	412917N0723150.1	KATULAVICH	---	190	100	6	87	17	OC	3	---	6	87	H	L.
HD 449	412944N0723321.1	KALMAN	---	180	89	5	55	18	OC	26	---	6	49	H	L.
HD 450	412754N0723304.1	HOLT	---	370	94	6	10	4	OC	5	---	15	65	H	L.
HD 451	412859N0723136.1	KREIGER	---	140	120	6	20	10	OC	5	---	9	95	H	L.
HD 452	412906N0723044.1	J MARICA	1955	190	200	6	6	7	OC	30	9-55	3	70	H	L.
HD 453	412906N0723044.1	J MARICA	1955	110	190	6	104	104	OC	20	10-55	15	55	H	L.
HD 454	412906N0723044.1	C WALSH	1955	110	190	6	104	104	OC	20	10-55	15	55	H	L.
HD 455	412925N0723329.1	L BARONI	1956	150	121	6	60	40	OC	20	12-50	4	80	H	L.
HD 456	412930N0723036.1	K WOOD	1956	100	155	6	40	30	OC	21	11-56	12	79	H	TILL, O-40FT.
HD 457	412928N0723415.1	P KOURCHECK	1961	185	115	5	72	4	OC	22	8-61	5	98	H	TILL, O-40FT.
HD 458	412928N0723044.1	PYLIK	1959	175	100	6	21	16	OC	22	2-59	6	63	H	TILL, O-16FT.
HD 459	412908N0723420.1	J DEWOLF	1959	520	98	6	41	41	OC	10	4-59	6	78	H	TILL, O-43FT.
HD 460	413015N0723414.1	C DICKERSON	1963	130	115	6	40	8	OC	25	4-63	6	65	H	L.
HD 461	412756N0723845.1	P DOOLITTLE	1964	82	135	---	105	105	OC	---	---	---	---	H	SAND AND GRAVEL, O-205FT.
HD 462	412506N0723419.1	K SMITH	1962	555	152	6	92	92	OC	70	11-58	20	20	H	SAND, O-92FT.
HD 463	413003N0723359.1	W MAYNARD	1958	135	104	6	92	92	OC	70	11-58	20	20	H	TILL, O-30FT.
HD 464	412829N0723706.1	F RUGLOD	1958	540	100	6	40	30	OC	A	4-58	12	97	H	L.
HR 1	413735N0722006.1	RESECK LAKE CO	1948	527	303	6	20	20	OC	30	---	60	50	P	CA, REZ 268-280FT, ANSTON LAKE WELL 1.
HR 2	413722N0722006.1	RESECK LAKE CO	1932	570	293	8	125	---	OC	25	---	A	---	P	CA, ANSTON LAKE WELL 2.
HR 3	413700N0722041.1	ARCHIE GREEN	1937	415	140	6	32	23	OC	27	11-52	30	150	H	SAND AND GRAVEL, O-23FT.
HR 4	413711N0721945.1	M SCHIVETY	1956	542	150	6	32	23	OC	15	11-56	4	150	H	L.
HR 5	414039N0722136.1	WM CARPENTER	1957	716	215	6	40	40	OC	42	6-57	2	151	H	TILL, O-40FT.
HR 10	414008N0722259.1	CARON BROS	1970	560	155	6	55	55	OC	4	9-70	7	151	H	L.
HR 11	413956N0722251.1	PARRY ROBERTS	1968	440	300	6	25	15	OC	100	3-68	2	200	H	TILL, O-35FT.
HR 12	413956N0722251.1	CARON BROS	1968	440	300	6	25	15	OC	100	3-68	2	200	H	TILL, O-35FT.
HR 13	413956N0722251.1	PETER SUTTON	1968	440	300	6	25	15	OC	100	3-68	2	200	H	TILL, O-35FT.
HR 14	413702N0721946.1	A SYLVESTER	1966	565	172	6	24	23	OC	12	10-65	5	115	H	TILL, O-20FT.
HR 15	414036N0722436.1	TOWN OF HEBRON	1967	635	450	6	150	145	OC	42	3-67	24	243	T	L.
HR 16	413921N0722252.1	ALBERT HILDING	1964	500	154	6	64	40	OC	A2	9-64	12	43	H	TILL, O-40FT.
HR 17	414015N0722254.1	JOSEPH CARON	1968	570	164	6	65	50	OC	15	10-68	6	153	H	TILL, O-50FT.
HR 18	414015N0722254.1	JOSEPH CARON	1968	570	164	6	65	50	OC	15	10-68	6	153	H	TILL, O-50FT.
HR 19	414015N0722254.1	JOSEPH CARON	1968	570	164	6	65	50	OC	15	10-68	6	153	H	TILL, O-50FT.
HR 20	414036N0722136.1	WM CARPENTER	1957	716	215	6	40	40	OC	42	6-57	2	151	H	TILL, O-40FT.
HR 21	413936N0722129.1	MAGEE	1966	440	265	6	25	15	OC	80	6-68	3	180	H	TILL, O-22FT.
HR 22	413936N0722129.1	MAGEE	1966	440	265	6	25	15	OC	80	6-68	3	180	H	TILL, O-22FT.
HR 23	413936N0722129.1	MAGEE	1966	440	265	6	25	15	OC	80	6-68	3	180	H	TILL, O-22FT.
HR 24	413936N0722129.1	MAGEE	1966	440	265	6	25	15	OC	80	6-68	3	180	H	TILL, O-22FT.
HR 25	413936N0722129.1	MAGEE	1966	440	265	6	25	15	OC	80	6-68	3	180	H	TILL, O-22FT.
HR 26	414040N0722120.1	DAVID BOWERS	1967	760	250	6	135	125	OC	20	10-67	10	145	H	TILL, O-85FT.
HR 27	414040N0722120.1	DAVID BOWERS	1967	760	250	6	135	125	OC	20	10-67	10	145	H	TILL, O-85FT.
HR 28	414040N0722120.1	DAVID BOWERS	1967	760	250	6	135	125	OC	20	10-67	10	145	H	TILL, O-85FT.
HR 29	414040N0722120.1	DAVID BOWERS	1967	760	250	6	135	125	OC	20	10-67	10	145	H	TILL, O-85FT.
HR 30	413944N0722304.1	A A QUATTROPANI	1965	530	137	6	35	30	OC	30	9-65	8	107	H	CA, TILL, O-70FT.
HR 31	413944N0722304.1	RUSSELL PITTS	1965	530	137	6	35	30	OC	30	9-65	8	107	H	CA, TILL, O-70FT.
HR 32	413944N0722304.1	RUSSELL PITTS	1965	530	137	6	35	30	OC	30	9-65	8	107	H	CA, TILL, O-70FT.
HR 33	413944N0722304.1	RUSSELL PITTS	1965	530	137	6	35	30	OC	30	9-65	8	107	H	CA, TILL, O-70FT.
HR 34	413944N0722304.1	RUSSELL PITTS	1965	530	137	6	35	30	OC	30	9-65	8	107	H	CA, TILL, O-70FT.
HR 35	413944N0722304.1	RUSSELL PITTS	1965	530	137	6	35	30	OC	30	9-65	8	107	H	CA, TILL, O-70FT.
HR 36	414040N0722120.1	DAVID BOWERS	1967	760	250	6	135	125	OC	20	10-67	10	145	H	TILL, O-85FT.
HR 37	413552N0722200.1	CAMPBELL PSONK	1956	145	170	6	18	5	OC	55	3-56	25	105	H	CA, GRAVEL, O-30FT.

TABLE L-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTITUDE- TIDE- DEPTH (FT)	CASING DEPTH FEET (IN)	CASING DEPTH FEET (FT)	CONCRETE DATE DEPTH (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
K 144	412439N0723242.1	EVERETT RYAN	1955	515	130	6	95	OC	20	9-55	5	60	H	TILL, 0-95FT.
K 145	412446N0723454.1	OSCAR AVER	1958	520	218	6	45	OC	34	7-58	12	116	H	TILL, 0-65FT.
K 146	412550N0723509.1	GORDON CHAPMAN	1959	460	131	6	66	OC	20	9-59	6	40	H	TILL, 0-65FT.
K 147	412358N0723509.1	ROBERT RAGLEY	1963	370	116	6	65	OC	10	9-63	12	60	H	TILL, 0-65FT.
K 148	412127N0722353.1	FRED WINMEL ESQ	1965	370	245	6	11	OC	18	2-45	10	207	H	L
K 149	412110N0722118.1	QUALITY BUILDER	1971	365	280	6	49	OC	40	6-71	45	240	H	TILL, 0-49FT.
K 150	412110N0722118.1	QUALITY BUILDER	1971	365	280	6	16	OC	50	6-71	45	240	H	TILL, 0-49FT.
K 151	412146N0723443.1	ANTHONY KURTIN	1971	350	310	6	5	OC	70	12-70	3	250	H	TILL, 0-49FT.
K 152	412145N0723441.1	GEORGE FIELD CO	1970	395	320	6	20	OC	30	2-69	1	470	H	TILL, 0-28FT.
K 153	412145N0723426.1	ARTHUR HESTWOOD	1969	350	500	6	35	OC	145	10-70	4	510	H	TILL, 0-28FT.
K 154	412405N0723506.1	DENNIS HANNOLD	1970	430	655	6	15	OC	40	8-68	6	390	H	TILL, 0-28FT.
K 155	412340N0723613.1	RATTISTIA	1968	445	430	6	15	OC	50	9-68	3	440	H	TILL, 0-28FT.
K 156	412330N0723612.1	S & T REALTY	1968	445	490	6	27	OC	50	5-68	1	450	H	TILL, 0-28FT.
K 157	412330N0723612.1	ROBERT DONATH	1968	465	500	6	27	OC	50	5-68	1	450	H	TILL, 0-28FT.
K 158	412526N0723625.1	CHRIS M SALTUS	1970	575	52	6	33	OC	20	11-70	45	10	H	TILL, 0-33FT.
K 159	412432N0723722.1	RICHARD RUSSELL	1971	435	160	6	21	OC	20	8-71	9	140	H	TILL, 0-38FT.
K 160	412530N0723624.1	CHRIS M SALTUS	1970	575	80	6	19	OC	20	7-70	45	4	H	TILL, 0-50FT.
K 161	412013N0723522.1	JOHN SODEGREN	1970	145	160	6	60	OC	50	12-70	10	110	H	TILL, 0-23FT.
K 162	412013N0723522.1	JOHN SODEGREN	1970	145	160	6	60	OC	50	12-70	10	110	H	TILL, 0-23FT.
K 163	412316N0723142.1	HENRY KESSELL	1968	430	165	6	65	OC	20	12-68	8	145	H	TILL, 0-50FT.
K 164	412316N0723142.1	HENRY KESSELL	1968	430	165	6	65	OC	20	12-68	8	145	H	TILL, 0-50FT.
K 165	412221N0723344.1	RICHARD RUSSELL	1967	430	155	6	14	OC	20	3-67	13	156	H	TILL, 0-9FT.
K 166	412221N0723344.1	RICHARD RUSSELL	1967	430	155	6	14	OC	20	3-67	13	156	H	TILL, 0-9FT.
K 167	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 168	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 169	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 170	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 171	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 172	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 173	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 174	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 175	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 176	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 177	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 178	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 179	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 180	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 181	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 182	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 183	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 184	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 185	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 186	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 187	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 188	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 189	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 190	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 191	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 192	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 193	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 194	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 195	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 196	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 197	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 198	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 199	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 200	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 201	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 202	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 203	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 204	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 205	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 206	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 207	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 208	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 209	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 210	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 211	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 212	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 213	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 214	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 215	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 216	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 217	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 218	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 219	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 220	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 221	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 222	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 223	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 224	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 225	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 226	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 227	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 228	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 229	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 230	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 231	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 232	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 233	412221N0723331.1	FRED BEUTHER	1970	390	175	6	20	OC	19	11-70	7	156	H	TILL, 0-9FT.
K 234	412221N07													

TABLE 1--RECORDS OF WELLS--CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRIILLED (YEAR)	ALTI-TUDE OF LSO (FT)	WELL DEPTH (FT)	CASING DEPTH (IN)	CASING DEPTH (FT)	DEPTH TO CONSOLIDATED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE WATER MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
MA 292	411518N07223429.1	J. P. SMITH JR.	1966	20	225	6	10	6	OC	12	5-66	12	213	I	SALINE WATER, 225-300FT, CEMENTED OFF.
MA 293	411518N07223430.1	WILLIAM SMITH	1966	20	225	6	10	6	OC	12	5-66	12	213	T	CAITILL, O-45FT, TYP 36HRS.
MA 294	411738N07223431.1	ROBERT WELLS	1968	50	190	6	52	45	OC	30	7-68	8	165	H	CAITILL, O-20FT.
MA 295	411738N07223431.1	ROBERT WELLS	1968	50	190	6	52	45	OC	30	7-68	8	165	H	TILL, O-28FT.
MA 296	411644N07223445.1	ROBERT GREEN	1963	25	120	6	65	55	OC	15	12-65	20	105	H	TILL, O-28FT.
MA 297	411641N07223447.1	MEDALLION BLDGS	1968	40	160	6	35	30	OC	25	1-68	4	135	H	TILL, O-30FT.
MA 298	411738N07223449.1	GEORGE C FIELD	1971	45	160	6	40	40	OC	3	2-71	20	157	H	TILL, O-25FT.
MA 299	411805N07223451.1	KESHUL BUILDING	1969	90	220	6	50	35	OC	18	4-69	3	202	H	TILL, O-35FT.
MA 300	411738N07223451.1	DAYTON-SCHMIDT	1971	230	240	6	40	35	OC	15	7-71	2	225	H	TILL, O-35FT.
MA 301	412008N07223456.1	DAYTON-SCHMIDT	1971	230	200	6	55	50	OC	20	7-71	3	180	H	TILL, O-50FT.
MA 304	412028N07223459.1	FOREST HILLS CO	1964	220	160	6	34	29	OC	19	10-64	6	141	H	TILL, O-29FT.
MA 305	412028N07223459.1	FOREST HILLS CO	1966	230	200	6	27	21	OC	F	5-66	12	196	H	DRIFT, O-23FT.
MA 306	412102N07223462.1	S SPEERY	1969	300	250	6	35	18	OC	4	6-69	12	250	H	TILL, O-48FT.
MA 307	411813N07223464.1	COLE	1966	25	64	2	62	71	OC	6	1-66	78	62	U	CB, L, SCRN, 162-68FT, 2IN., 0.40IN, COLE 1.
MA 308	411745N07223464.1	STEVENS	1966	15	67	2	59	6	OC	6	4-66	25	61	U	CB, L, SCRN, 159-67FT, 2IN., 0.40IN, STEVENS 1.
MA 309	411747N07223464.1	STEVENS	1966	5	65	2	63	65	OC	6	4-66	55	58	U	CB, L, SCRN, 163-65FT, 2IN., 200IN, STEVENS 2.
MA 311	411801N07223463.1	BERNETT DEVELOP	1971	50	295	6	80	65	OC	40	11-71	9.3	275	H	SAND AND GRAVEL, O-40FT.
MA 312	412120N07223463.1	MAFIO DEMELIS	1972	308	590	6	50	40	OC	38	3-72	200	345	T	SAND AND GRAVEL, O-24FT.
MA 313	411718N07223700.1	GROVE SCHOOL	1972	31	375	6	34	24	OC	38	3-72	200	345	T	SAND AND GRAVEL, O-24FT.
MB 2	413809N0722724.1	FOREST PROPERTY	1956	400	300	6	--	--	OC	F	3-56	25	--	P	CA.
MB 3	413901N0722754.1	MARLBOROUGH CON	1956	600	254	10	32	32	OC	12	3-56	70	--	P	CAITILL, O-32FT.
MB 5	413752N0722813.1	HILLSIDE CORP	1945	508	247	6	--	--	OC	170	-60	10	--	P	CB, WELL 2.
MB 6	413833N0722827.1	JAMES WOODHOUSE	1971	468	200	6	20	15	OC	20	4-72	2	180	H	CAITILL, O-35FT.
MB 7	413833N0722827.1	JAMES WOODHOUSE	1971	468	200	6	20	15	OC	20	4-72	2	180	H	CAITILL, O-35FT.
MB 8	413623N0722830.1	R PACKMAN	1971	545	110	6	40	25	OC	6	3-71	8	109	H	CAITILL, O-35FT.
MB 9	413856N0722815.1	R PIZZOFERRATE	1971	535	325	6	42	37	OC	10	7-71	30	315	H	TILL, O-37FT.
MB 10	413856N0722815.1	R PIZZOFERRATE	1971	540	125	6	22	16	OC	15	7-71	4	110	H	TILL, O-37FT.
MB 11	414012N0722727.1	YANKEE HOMES	1971	361	248	6	21	11	OC	15	7-71	6	135	H	SAND AND GRAVEL, O-31FT.
MB 12	413625N0722840.1	EDWARD MURRAY	1971	360	165	6	15	10	OC	10	9-71	50	155	H	TILL, O-40FT.
MB 13	413738N0722835.1	UDECO	1971	590	175	6	6	1	OC	20	9-71	2	355	H	TILL, O-40FT.
MB 14	413638N0722846.1	VALENTINE SCOTT	1971	485	175	6	34	29	OC	3	7-71	7	172	C	TILL, O-28FT.
MB 15	413749N0722738.1	CITIZEN BANK	1971	510	325	6	83	78	OC	15	0-71	3	280	C	TILL, O-78FT.
MB 16	414049N0722814.1	BRUCE GILBERT	1971	420	300	6	10	5	OC	20	8-71	8	240	H	TILL, O-78FT.
MB 17	413622N0722471.1	EDWARD MURRAY	1971	320	275	6	10	50	OC	10	9-71	4	265	H	TILL, O-38FT.
MB 18	413621N0722845.1	ED MURRAY & SON	1971	550	150	6	33	28	OC	40	2-71	15	110	H	TILL, O-38FT.
MB 19	413619N0722843.1	ED MURRAY & SON	1971	550	180	6	22	17	OC	20	2-71	40	160	H	TILL, O-37FT.
MB 20	413622N0722849.1	ED MURRAY & SON	1971	550	180	6	50	45	OC	20	2-71	30	160	H	TILL, O-37FT.
MB 21	413754N0722736.1	ED MURRAY & SON	1964	508	370	6	145	40	OC	50	2-71	10	50	H	TILL, O-45FT.
MB 22	413754N0722736.1	ED MURRAY & SON	1964	508	370	6	145	40	OC	50	2-71	10	50	H	TILL, O-45FT.
MB 23	413848N0722757.1	JOHN POWERS	1971	590	335	6	30	24	OC	13	1-71	50	337	H	TILL, O-30FT.
MB 24	413524N0722558.1	EDWARD ORZEC	1966	370	235	6	20	10	OC	150	8-66	12	70	H	TILL, O-36FT.
MB 25	413658N0722648.1	TYROL & WETLEY	1966	515	280	6	42	36	OC	70	12-66	60	210	H	TILL, O-36FT.
MB 26	413613N0722450.1	DONALD LACK	1968	375	205	6	21	10	OC	30	8-68	15	120	H	TILL, O-36FT.
MB 27	413909N0722902.1	UNKNOW	1964	430	105	6	20	20	OC	10	--	4	75	H	TILL, O-36FT.
MB 28	413822N0722804.1	C DENLER	1964	520	100	6	13	4	OC	46	4-64	9	27	H	TILL, O-36FT.
MB 29	413803N0722833.1	L GRZESIAK	1963	430	118	6	21	10	OC	3	10-63	13	18	H	TILL, O-36FT.
MB 30	413731N0722749.1	J KASYAN	1964	575	235	6	20	20	OC	20	8-64	20	210	H	TILL, O-36FT.
MF 1	413032N0724320.1	LYMAN JUN SIGHT	1980	250	22	24	22	--	OC	8	7-46	--	--	U	GROUND-WATER OBSERVATION WELL, RECORDS PUBLISHED 1946-72.
MF 2	413032N0724320.1	LYMAN JUN SIGHT	1980	250	22	24	22	--	OC	8	7-46	--	--	U	GROUND-WATER OBSERVATION WELL, RECORDS PUBLISHED 1946-72.
MF 28	413255N0724217.1	THEIBER KOSKO	1921	310	57	6	8	8	BA	12	1-36	27	--	C	TILL, O-34FT.
MF 44	413149N0724139.1	E B BIGLOW	--	170	165	6	51	51	BA	85	--	5	--	H	TILL, O-34FT.
MF 70	413136N0724203.1	S ARESCO	1923	165	53	6	34	19	BA	85	--	2	--	H	SAND AND GRAVEL, O-53FT.
MF 80	413142N0724346.1	F WINTER	1934	380	95	6	52	20	BA	20	-23	16	--	H	TILL, O-20FT.
MF 83	413110N0724419.1	L P BACON	1931	455	330	6	3	3	OC	40	-31	4	--	P	WATER REPORTED VERY HARD, HIGH IRON AND LOW SULFUR.
MF 120	413038N0724204.1	E WARNER	1934	290	162	6	64	64	OC	100	-34	6	--	H	TILL, O-64FT.
MF 143	413009N0724212.1	J B THAYER	1925	160	92	6	22	19	OC	17	-25	9	--	H	STRATIFIED DRIFT, CLAY, AND TILL, O-19FT.
MF 144	412949N0724243.1	LYMAN	--	180	146	6	22	19	OC	17	-25	9	--	H	STRATIFIED DRIFT, CLAY, AND TILL, O-19FT.
MF 145	412943N0724242.1	LYMAN	--	210	320	6	40	40	OC	55	--	28	--	S	TILL, O-40FT.
MF 148	412952N0724316.1	N SALAMADRA	1934	240	180	6	30	30	OC	6	--	8	--	Z	L.
MF 153	413022N0724319.1	N SALAMADRA	1934	240	180	6	40	40	OC	6	--	8	--	H	L.
MF 164	413106N0724140.1	A GOSLEY	1949	235	135	6	5	2	OC	30	8-49	50	--	H	NBZ AT 330FT (30GPM).
MF 170	413106N0724140.1	A GOSLEY	1949	235	135	6	5	2	OC	30	8-49	50	--	H	NBZ AT 330FT (30GPM).
MF 173	413103N0724344.1	BESECK LAKE CO	1931	310	218	6	10	10	BA	29	9-49	1	--	P	CA, WELL 1.
MF 174	413103N0724344.1	BESECK LAKE CO	1941	340	225	8	--	--	OC	10	-31	16	--	P	CA, WELL 1.
MF 176	413233N0724240.1	R BOLTON	1963	375	117	6	16	14	BA	22	10-63	15	58	H	TILL, O-34FT.
MF 177	413047N0724335.1	P MOUSCH	1957	320	260	6	96	85	OC	F	4-57	5	260	H	DRIFT, O-85FT.
MF 178	413114N0724218.1	A KOVEFAL	1961	150	112	--	53	40	BA	10	8-61	4	102	H	GRAVEL, O-40FT.
MF 180	413109N0724257.1	A KARBONALE	1962	300	115	--	24	15	BA	25	4-62	7	105	H	GRAVEL, O-40FT.
MF 181	413109N0724257.1	A KARBONALE	1962	300	115	--	24	15	BA	25	4-62	7	105	H	GRAVEL, O-40FT.
MF 183	413157N0724257.1	FUCHKO BROS	1955	350	218	6	55	55	BA	130	11-55	12	73	H	TILL, O-55FT.

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTI- TUDE OF LSO (FT)	WELL DEPTH (FT)	CASING DIAM- ETER (IN)	CASING DEPTH (FT)	CONSLI- DATED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE LEVEL MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
TOWN OF MIDDLEFIELD-CONT.															
MF 184	413201N0724315.1	F ROBERTS	1954	420	141	6	16	14	OS	60	5-54	9	20	H	
MF 185	413107N0724122.1	O SALTIC	1954	230	100	6	18	16	OS	9	7-58	9	71	H	
MF 186	413109N0724131.1	R SPOONER	1959	230	105	6	17	12	OS	10	9-59	13	80	H	
MF 187	413106N0724209.1	UNKNOWN	1961	240	136	6	15	6	OS	40	11-61	5	102	H	
MF 189	413110N0724403.1	P MILLER	1956	345	99	6	16	6	RA	25	4-54	10	50	H	
MF 190	413050N0724412.1	DITZEL HROS	1955	350	64	6	18	14	BA	12	10-56	8	44	H	
MF 192	413022N0724301.1	WILLIAM HENSE	1962	170	127	6	44	20	BA	10	1-52	15	165	H	SAND, 0-10FT.
MF 193	413107N0724257.1	ROBERT COBELUS	1962	350	185	6	41	41	OS	80	5-52	6	105	H	CAITILL, 0-81FT.
MF 195	413154N0724159.1	VINCENT BRETON	1963	220	160	6	17	7	RA	35	8-63	30	115	H	
MF 196	413018N0724344.1	TEKSRURYS GAP	1966	410	250	6	21	10	OS	30	9-66	14	220	H	CA, K320.
MF 197	412958N0724200.1	PM FRANCIS	1965	212	100	6	22	12	OS	25	12-65	5	165	H	CA.
MF 198	413213N0724237.1	TOY TAYLOR	1965	340	100	6	35	30	OS	20	7-65	7	200	H	TILL, 0-30FT.
MF 199	413226N0724251.1	TR CZAJA	1964	270	224	6	32	4	OS	20	8-64	10	110	H	CA.
MF 200	413048N0724415.1	MICHAEL BURGERT	1965	350	130	6	27	4	BA	20	9-65	10	110	H	
MF 201	413149N0724143.1	EDWARD KLOCK	1964	175	244	6	22	10	OS	4	4-64	30	236	H	CA, K440, SAND AND GRAVEL, 0-30FT.
MF 202	413106N0724249.1	TAN-MIDDLEFIELD	1963	235	145	6	22	10	BA	25	12-63	11	115	H	CA, K295.
MF 203	413249N0724209.1	S DIMAURO	1963	250	192	6	42	42	OS	25	10-63	2	167	H	TILL, 0-30FT.
MF 204	413052N0724332.1	ROBERT LIPTAK	1970	330	235	6	55	41	OS	22	10-70	5	213	H	K340, TILL, 0-43FT.
MF 205	413051N0724252.1	HAROLD GOODRICH	1966	170	60	6	41	34	BA	20	9-66	30	40	H	SAND AND GRAVEL, 0-38FT.
MF 206	413050N0724427.1	HOWARD T FULLER	1970	500	495	6	12	3	OS	40	12-70	6	445	H	K235-L.
MF 207	413030N0724306.1	LOUIS WICKAM	1964	170	115	6	31	20	BA	2	10-71	15	115	H	DR, SAND AND GRAVEL, 0-20FT.
MF 208	413112N0724233.1	PETER GOSTYLA	1971	200	145	6	24	24	OS	30	8-71	6	40	H	L.
MF 209	413045N0724334.1	ROBERT CARTER	1971	310	135	6	100	100	OS	8	10-71	3	---	H	TILL, 0-100FT.
MF 210	413113N0724234.1	PETER GOSTYLA	1971	205	210	6	36	30	OS	10	6-54	8	80	H	L.
MF 211	413041N0724151.1	JOHN CORONA	1954	250	120	6	14	8	OS	10	4-54	8	195	H	TILL, 0-80FT.
MF 212	413104N0724318.1	DAN GULIRE	1971	400	235	6	42	40	OS	40	12-71	4	---	H	TILL, 0-80FT.
TOWN OF MIDDLETON															
MT 2	413539N0724317.1	N MCINERNEY	1905	140	100	6	27	27	OS	24	-05	4	---	H	TILL, 0-37FT.
MT 3	413550N0724317.1	G WATNREY	1921	140	120	6	100	20	OS	60	-21	4	---	S	TILL, 0-30FT.
MT 4	413605N0724315.1	J GABANI	1921	130	140	6	100	40	OS	99	-21	4	---	H	TILL, 0-40FT.
MT A	413513N0724134.1	J HIGGINS	1924	130	49	6	49	14	BA	F	-26	9	---	U	TILL, 0-18FT.
MT 70	413349N0724205.1	L HOWARD	---	135	300	6	30	30	OS	16	6-36	23	---	H	L.
MT 79	413309N0724117.1	L WELLS	1936	155	174	6	12	12	OS	18	---	7	---	H	TILL, 0-30FT.
MT 82	413405N0724015.1	H PANDELE	---	140	104	6	19	19	OS	22	---	5	---	H	L.
MT 102	413218N0723347.1	J BAHOR	1933	140	51	6	30	30	OC	F	7-33	22	---	H	
MT 130	413048N0723005.1	H O DANIELS	1913	145	72	6	28	28	OS	10	-13	20	---	H	SAND AND GRAVEL, 0-82FT.
MT 159	413030N0723045.1	S GUIDA	1934	410	146	6	2	2	OS	11	-34	20	---	H	HN, L, SCRNI, 50-60FT, 61N, FORMER OBSERVATION WELL.
MT 235	413314N0723421.1	PRATT & WHITNEY	1952	9	55	8	45	63	OD	11	12-52	310	21	U	CD, HN, SCRNI, 45-55FT, 1TP, 13B, HN, L.
MT 239	413306N0723353.1	PRATT & WHITNEY	1953	10	60	8	50	63	OD	26	12-53	324	26	U	
MT 256	413317N0723451.1	MELCO	1952	22	67	8	57	63	OD	11	1-52	12	45	U	HN, L.
MT 259	413315N0723444.1	MELCO	1952	25	74	8	64	76	OD	24	2-52	411	12	N	HN, L, SCRNI, 64-74FT, 81N, 0-60IN, PULLED BACK FROM 77FT, WELL 2.
MT 260	413318N0723442.1	MELCO & WHITNEY	1952	16	75	8	55	76	OD	18	3-52	400	15	U	HN, L, SCRNI, 65-75FT, 81N, 0-60IN, WELL 3.
MT 261	413325N0723351.1	PRATT & WHITNEY	1949	154	67	6	10	10	OC	4	4-54	---	---	U	HN, L, SCRNI, 65-75FT, 81N, 0-60IN, PULLED BACK FROM 77FT, WELL 2.
MT 263	413235N0723351.2	PRATT & WHITNEY	---	150	10	24	0	10	OC	4	4-54	---	---	U	HN, L.
MT 264	413224N0723350.1	PRATT & WHITNEY	---	128	10	24	0	10	OC	1	4-54	---	---	U	HN, L.
MT 265	413220N0723355.1	PRATT & WHITNEY	---	170	7	36	0	10	OC	0	4-54	---	---	U	HN, L.
MT 266	413152N0723346.1	PRATT & WHITNEY	---	135	309	6	10	10	OC	63	4-54	---	---	U	HN, L.
MT 267	413252N0723350.1	PRATT & WHITNEY	---	160	101	6	5	5	OC	5	8-54	---	---	U	HN, L.
MT 273	413150N0723410.1	STANLEY PORONY	1948	200	104	6	4	6	OC	5	8-54	---	---	U	HN, L.
MT 276	413146N0723352.1	J C HULLER	---	88	13	24	0	10	OC	0	4-54	---	---	U	HN, L.
MT 279	413144N0723400.1	W G MANNFORD	---	140	25	6	0	10	OC	11	8-56	---	---	U	HN, L.
MT 283	413230N0723356.1	PRATT & WHITNEY	---	200	51	24	0	30	OC	1	5-56	---	---	U	HN, L.
MT 285	413214N0723347.1	PRATT & WHITNEY	1933	135	51	6	30	30	OC	3	6-56	2	---	U	HN, L.
MT 287	413300N0723334.2	PRATT & WHITNEY	1956	9	85	12	65	85	OD	7	6-56	1570	16	U	HN, L, SCRNI, 65-75FT, 81N, 0-60IN, PULLED BACK FROM 77FT, WELL 2.
MT 288	413257N0723328.2	PRATT & WHITNEY	1956	10	88	12	68	88	OD	7	6-56	1570	13	P	HN, L, SCRNI, 68-78FT, 81N, 0-60IN, PULLED BACK FROM 77FT, WELL 2.
MT 308	413257N0723328.2	PRATT & WHITNEY	1954	10	155	8	12	12	OD	0	4-54	---	---	U	HN, L.
MT 309	413257N0723328.2	PRATT & WHITNEY	1954	31	85	8	75	85	OD	22	8-54	197	30	U	HN, L, SCRNI, 75-85FT, 81N, 0-60IN.
MT 309	413257N0723334.1	PRATT & WHITNEY	1956	45	90	8	75	110	OD	18	8-54	100	9	U	HN, L, SCRNI, 75-85FT, 81N, 0-60IN.
MT 321	413255N0723332.2	PRATT & WHITNEY	1956	50	96	12	76	97	OD	43	9-56	1000	22	U	HN, L, SCRNI, 76-86FT, 81N, 0-60IN.
MT 322	413000N0724036.1	DURHAM AQUEDUCT	1936	355	200	---	20	20	OS	---	3-71	120	---	P	CA.
MT 323	413131N0723731.1	CITY-MIDDLETON	1971	15	70	10	50	70	OD	15	7-70	520	---	N	L, SCRNI, 60-67FT, 81N, 0-20IN.
MT 324	413117N0723751.1	CITY-MIDDLETON	1971	87	70	12	62	70	OD	25	2-70	33	20	N	L, SCRNI, 58-70FT, 81N, 0-20IN.
MT 325	413135N0723752.1	CITY-MIDDLETON	1964	87	63	2	47	70	OD	25	2-70	33	20	N	L, SCRNI, 62-69FT, 81N, 0-20IN.
MT 326	413135N0723752.1	CITY-MIDDLETON	1962	85	47	2	47	70	OD	25	2-70	33	20	N	L, SCRNI, 62-69FT, 81N, 0-20IN.
MT 331	413304N0723648.1	R WILSON	1955	150	194	6	18	18	OS	14	-55	6	---	H	L, TEST WELL.
MT 332	413304N0723648.1	P DICKERSON	1955	195	195	6	14	14	OS	14	-55	6	---	H	L, TEST WELL.
MT 333	413051N0723929.1	P CARLSON	1956	340	175	6	9	9	OS	10	2-56	7	---	H	L, TEST WELL.
MT 334	413524N0724403.1	G EYLES	1955	200	12	6	14	14	OS	10	2-56	7	---	H	L, TEST WELL.
MT 335	413223N0723917.1	G EYLES	1954	250	215	6	12	12	OS	50	3-54	4	---	H	L, TEST WELL.

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	DATE OF LSD (FT)	WELL DEPTH (FT)	CASING DIAM- ETER (IN)	CASING DEPTH (FT)	DEPTH TO DATED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
TOWN OF MIDDLETOWN-DOWNTOWN															
MT 336	41302300723947-1	C. A. ROWLAND	1956	415	107	6	36	18	OS	20	10-56	7	60	H	
MT 337	41314700724000-1	GLEESON BULLDER	1955	180	172	6	45	40	OS	30	10-55	18	30	H	
MT 338	41320600723657-1	J. GRECO	1956	450	179	6	8	0	OS	30	10-55	18	30	H	DD.
MT 339	41301300723735-1	C. W. HARRIS	1955	370	105	6	21	0	OC	4	12-56	6	4	H	
MT 341	41315700724024-1	N. GAWLAK	1955	330	225	6	120	120	OS	95	10-55	6	45	H	L.
MT 342	41336400723609-1	JOHN MALISH	1955	350	170	6	46	42	OS	30	10-55	7	60	H	TILL, 0-42FT.
MT 343	41330600723609-1	WILLIAM BARNES	1956	210	258	6	58	45	OS	30	10-55	35	80	H	L, WATER HARD AND NOT PALATABLE.
MT 344	41335400723610-1	W. ANDERSON	1956	210	258	6	12	26	BA	20	7-56	3	241	H	
MT 345	41340100724138-1	JOHN ROGASKI	1956	200	195	6	40	30	OS	5	4-58	15	95	H	SAND AND GRAVEL, 0-30FT.
MT 346	41315600723942-1	JOHN DANIELS	1958	185	115	6	40	30	OS	5	4-58	15	95	H	
MT 347	41324000724106-1	SAFEMAY HEATING	1963	50	600	6	50	30	OS	0	8-63	2	600	N	TP 20HRS.
MT 348	41323000723314-1	PHATT & WHITNEY	1963	10	78	18	58	12	OC	9	5-63	1250	15	N	L, SCRN, 58-78FT, 48IN, 120IN, TP 72HRS.
MT 349	41320000723314-2	THOMAS INGLIS	1964	363	109	6	20	12	OC	0	7-66	9	--	N	L, SCRN, 58-78FT, 48IN, 120IN, TP 72HRS.
MT 350	41320000723314-2	THOMAS INGLIS	1964	363	109	6	15	3	OS	45	8-65	5	175	H	CA, LOCATED 50FT WEST OF MT 303.
MT 351	41305000723948-1	JOSEPH DIATO	1970	338	175	6	20	9	OS	22	10-70	7	153	H	CA, K375.
MT 352	41331300724247-1	HOWARD LEONARD	1964	441	220	6	15	3	OS	30	10-64	4	100	H	K360.
MT 353	41311000724020-1	JOSEPH TIME	1965	250	150	6	51	45	OS	20	9-65	10	140	H	K360, TILL, 0-45FT.
MT 354	41322000723651-1	A. DIERNADI	1970	270	250	6	50	50	OS	15	8-70	1	280	H	CA, K275, TILL, 0-50FT.
MT 355	41332500723803-1	J. SALONIA JR	1967	175	275	6	19	10	OS	25	8-67	4	250	H	CA, K300.
MT 356	41305000723933-1	ROBERT HURNEY	1966	365	400	6	25	10	OS	47	12-66	1	353	H	CA, K300.
MT 357	41312100723804-1	WM. R. WILLARD	1964	130	205	6	35	25	OS	17	2-64	3	183	H	CA, K232, TILL, 0-25FT.
MT 358	41313300723935-1	WILLIAM COLEY	1964	208	310	6	21	13	OS	20	10-64	5	290	H	CA, K230, TILL, 0-23FT.
MT 359	41324300724116-1	P. BARANOWSKY	1970	110	110	6	80	70	OS	50	10-64	5	100	H	CA, K250.
MT 360	41331600724212-1	FRANK J. TARALLO	1964	375	200	6	80	70	OS	50	10-64	5	100	H	CA, K250.
MT 361	41324100724116-1	P. BARANOWSKY	1964	95	100	6	21	10	BA	25	8-64	4	175	H	CA.
MT 362	41322000724146-1	DONALD EMOND	1966	230	265	6	15	2	BA	40	7-66	2	225	H	K540, WATER HAS H ₂ S SNEEL.
MT 363	41322000724146-1	STEFANUSKY	1965	100	100	6	21	3	BA	20	5-65	15	80	H	CA.
MT 364	41322000723645-1	STEFANUSKY	1965	100	100	6	21	3	BA	20	5-65	15	80	H	CA.
MT 365	41312200723645-1	STEVEN SHAPIRO	1968	430	261	6	17	8	OS	18	2-69	3	157	H	
MT 366	41315900724034-1	MERCY HIGH SCH	1963	230	150	6	41	20	OS	51	11-68	3	246	H	
MT 367	41332000724211-1	DP. CONCANNON	1964	405	235	6	60	55	OS	60	9-64	15	175	H	CLAY AND TILL, 0-20FT, TP 24HRS.
MT 368	41335500724206-1	BETTER HOME BLD	1964	333	205	6	21	12	OS	20	1-64	3	170	H	CLAY AND TILL, 0-55FT.
MT 369	41335000724053-1	ST. PIUS CHURCH	1966	140	345	6	51	45	OS	65	7-66	25	280	H	CLAY AND TILL, 0-45FT.
MT 370	41335000724053-1	ST. PIUS CHURCH	1966	140	345	6	51	45	OS	65	7-66	25	280	H	TILL AND CLAY, 0-78FT.
MT 371	41331000724132-1	WESLEY LEE	1965	265	170	6	85	78	OS	--	--	1	--	H	TILL, 0-25FT.
MT 372	41312100723934-1	GALLITTO	1966	285	305	6	21	11	OS	40	2-66	2	245	H	TILL, 0-58FT.
MT 373	41342300724400-1	T. J. MCGUINNESS	1968	145	271	6	24	8	BA	8	11-68	4	155	H	TILL, 0-53FT.
MT 374	41342700724326-1	CHARLES ZIEMBA	1968	129	175	6	65	51	BA	20	1-64	4	220	H	TILL, 0-58FT.
MT 375	41335000724317-1	WILLIAM PELLAND	1964	290	250	6	12	3	BA	20	1-64	4	220	H	TILL, 0-58FT.
MT 376	41342600724326-1	CHARLES ZIEMBA	1968	135	190	6	65	58	BA	10	10-68	18	180	H	TILL, 0-58FT.
MT 377	41332000724246-1	S. J. CARTELLI	1966	420	190	6	16	2	OS	19	10-66	18	171	H	TILL, 0-45FT.
MT 378	41331300724216-1	THOMAS BIRLEY	1967	352	400	6	58	41	OS	35	12-67	3	360	H	CLAY AND GRAVEL, 0-42FT.
MT 379	41300000723804-1	LEV REALTY	1966	210	350	6	49	42	OS	35	10-66	2	220	H	K260, DD, TILL, 0-30FT.
MT 380	41310100723916-1	ED. HALIBOZEK	1966	260	220	6	45	38	OS	25	8-64	6	145	H	
MT 381	41310300723923-1	WILLIAM WARD	1964	300	175	6	12	2	OS	25	8-64	6	145	H	
MT 382	41312400723842-1	RONALD HENNESEY	1968	165	160	6	30	21	OS	19	7-68	18	141	H	K292, TILL, 0-23FT.
MT 383	41335000724344-1	RONALD HENNESEY	1968	280	395	6	14	3	OS	20	7-65	1	340	H	YIELD INSUFFICIENT, ABANDONED.
MT 384	41335000724344-1	KENT CARTWRIGHT	1971	280	395	6	20	13	OS	25	8-71	12	--	H	CLAY AND GRAVEL, 0-15FT.
MT 385	41334100724315-1	ROBERT SCRIPPO	1972	285	475	6	20	5	BA	21	1-72	12	--	H	L, SCRN, 48-63FT, 48IN, 120IN, PRODUCTION WELL 4.
MT 386	41333100723731-2	CITY-MIDDLETOWN	1971	20	63	18	48	--	OC	00	8-71	700	14	P	L, SCRN, 48-63FT, 48IN, 120IN, PRODUCTION WELL 4.
MT 387	41333100723735-2	CITY-MIDDLETOWN	1971	20	68	18	53	--	OC	00	8-71	1530	28	P	L, SCRN, 53-68FT, 48IN, 120IN, PRODUCTION WELL 3.
MT 388	41310000723909-1	KNIGHT	1955	190	96	6	41	11	OC	17	9-55	6	40	L, DD.	
MT 389	41310000723732-1	CITY-MIDDLETOWN	1955	20	59	18	47	--	OC	00	7-65	757	14	P	CA, CM, L, SCRN, 47-57FT, 48IN, 120IN, PRODUCTION WELL 3.
MT 390	41310000723732-1	CITY-MIDDLETOWN	1955	20	59	18	53	--	OC	00	7-65	925	18	P	CA, CM, L, SCRN, 53-63FT, 48IN, 120IN, PRODUCTION WELL 2.
MT 392	41332100723950-1	HELO	1958	20	75	8	65	40	OC	14	4-58	200	56	N	CB, L, SCRN, 63-75FT, PULLED BACK FROM 90FT, WELL 3.
NB 210	41601900724525-1	TUBE BENDS INC	1959	80	278	8	51	48	OS	7	3-59	155	168	N	CA, L, TP 10 HRS.
NB 211	41391100724525-1	COATING PRODUCT	1961	83	270	6	36	36	OS	70	8-61	75	70	N	K450, L.
N 93	41412500724225-1	HI-VIEW MOTEL	1955	255	440	6	13	3	OS	30	7-55	20	60	C	L.
N 202	41365300724307-1	GRANTHOOR	1959	165	600	10	112	112	OS	38	5-59	48	157	C	L.
TOWN OF OLD LYME															
OL 1	41201900722031-1	P. H. GRAY	1956	59	150	6	35	27	OC	10	3-56	10	80	H	GRAVEL AND TILL, 0-27FT, TP 20HRS.
OL 2	41163000721911-1	LUDINGTON	1955	60	230	6	37	34	OC	5	10-55	8	195	H	TILL, 0-34FT.
OL 3	41172700721927-1	R. FISHER	1958	22	21	30	21	21	OC	9	9-56	3	7	H	TILL, 0-24FT.
OL 6	41260400721748-1	N. THURLOW	1958	70	90	6	50	50	OC	2	1-56	4	81	H	TILL, 0-43FT.
OL 7	41260400722016-1	SUSAN LANGER	1956	30	128	6	50	50	OC	2	1-56	4	183	H	SAND, 0-50FT.
OL 80	41194400721911-1	JOHN TREVETT	1961	30	81	6	32	30	OC	23	5-61	8	67	H	SAND AND GRAVEL, 0-30FT.
OL 81	41172400721928-1	ROBERT L. WEEKS	1971	22	200	6	20	10	OC	30	7-71	20	180	H	GRAVEL AND BOULDERS (TILL), 0-30FT.
OL 82	41172400721928-1	PAUL K. LAWTON	1971	20	100	6	12	10	OC	30	7-71	8	70	H	
OL 83	41211300721905-1	PAUL K. LAWTON	1971	80	125	6	110	100	OC	30	4-71	1	270	H	SAND AND GRAVEL, 0-100FT.
OL 84	41213000721941-1	JAMES R. NUYES	1961	80	125	6	23	12	OC	30	5-71	7	105	H	
OL 85	41202700721918-1	F. DEAN	1965	70	105	6	68	44	OC	16	9-65	5	84	H	CA, TILL AND BOULDERS, 0-44FT.

TABLE 1-RECORDS OF WELLS-CONTINUED

LOCAL WELL NUMBER	LOCATION NUMBER	OWNER	DATE DRILLED (YEAR)	ALTI- TUDINE OF L.S.D. (FT)	WELL DEPTH (FT)	CASING DIAMETER (IN)	CASING DEPTH (FT)	DEPTH TO CAPPED ROCK (FT)	MAJOR AQUIFER	WATER LEVEL (FT)	DATE WATER LEVEL MEASURED	YIELD (GPM)	DRAW DOWN (FT)	USE OF WATER	REMARKS
OL 86	412142N0721730.1	EUGENE MACOY	1971	60	300	6	45	39	OC	25	8-71	2	275	H	CA TILL AND BOULDERS, 0-39FT.
OL 87	412021N0721749.1	C HICKRATH	1966	54	340	6	58	43	OC	25	5-66	1	115	H	CA SAND, 0-43FT. 0-44FT.
OL 88	412120N0721808.1	SAM WITTHRECEP	1972	45	141	6	141	32	OC	25	3-62	2	365	H	SAND AND GRAVEL, 0-44FT.
OL 89	411953N0721944.1	ROBERT ORNAT	1971	18	350	6	40	32	OC	25	11-71	2		H	YELLOW SAND AND GRAVEL OVER TILL, 0-32FT.
OS 259	411726N0722357.1	DR DONNELLEY CO	1963	12	55	10	45	63	OC	7	6-63	150	33	N	CA15CRN145-55FT, 40IN, 0-40IN.
OS 260	411931N0722340.1	JOSEPH ACKERMAN	1971	48	160	6	43	33	OC	20	12-71	18	140	H	SAND AND GRAVEL, 0-33FT.
OS 261	411923N0722413.1	DR DONNELLEY CO	1955	12	78	8	20	38	OC	5	1-65	14	12	N	CA15CRN145-55FT, 40IN, 0-40IN.
OS 262	411942N0722401.1	JOHN W. CONN	1968	50	150	6	13	10	OC	25	3-64	15	140	H	CA15CRN145-55FT, 40IN, 0-40IN.
OS 263	411942N0722401.1	JOHN W. CONN	1968	50	150	6	13	10	OC	25	3-64	15	140	H	CA15CRN145-55FT, 40IN, 0-40IN.
OS 264	412000N0722331.1	MARCELLA SCHLAG	1965	30	185	6	34	30	OC	13	6-65	20	112	H	SAND AND GRAVEL, 0-30FT, 1P 36HRS.
OS 265	411957N0722332.1	PETER BROPHY	1965	25	135	6	66	66	OC	6	11-65	6	119	H	SAND AND GRAVEL, 0-66FT.
OS 266	411953N0722241.1	BETTER HOME	1965	165	205	6	29	23	OC	25	7-65	50	175	H	TILL, 0-23FT.
P 80	413446N0723427.1	EARL N RAND	1966	700	143	6	40	18	OC	--	10-56	6	--	H	TILL, 0-38FT.
P 81	413446N0723427.1	MARLO HOMES INC	1956	410	170	6	35	15	OC	19	10-56	3	--	H	TILL, 0-38FT.
P 87	413421N0723407.1	MARLO HOMES INC	1956	390	97	6	24	20	OC	12	11-56	5	--	H	TILL, 0-20FT.
P 93	413447N0723456.1	HAROLD LARSON	--	308	83	6	16	8	OC	12	10-59	20	--	H	TILL, 0-8FT.
P 96	413427N0723416.1	WESLEY LEE	1968	425	115	6	25	25	OC	16	10-68	6	--	H	L.
P 97	413431N0723419.1	JOSEPH HYLAND	1965	432	115	6	28	8	OC	20	4-65	12	95	H	TILL, 0-8FT.
P 98	413435N0723431.1	JOSEPH HYLAND	1966	390	310	6	26	15	OC	22	7-65	3	208	H	TILL, 0-8FT.
P 99	413444N0723442.1	B LESTRINA	1964	365	130	6	100	40	OC	20	4-64	10	110	H	TILL, 0-30FT.
P 101	413430N0723407.1	MARLOW HOME INC	1956	360	90	6	25	25	OC	15	9-56	4	75	H	TILL, 0-25FT.
P 102	413446N0723510.1	T TAYLOR	1964	150	274	6	276	--	OC	120	4-64	20	80	H	SAND, 0-276FT.
P 104	413430N0723420.1	M P MATHER	1956	420	145	6	23	12	OC	16	12-56	5	114	H	TILL, 0-24FT.
P 105	413438N0723515.1	ANDREW TARAK	1965	155	275	6	214	200	OC	40	2-65	9	230	H	SAND AND GRAVEL, 0-200FT.
P 106	413357N0723534.1	A TOMASO INC	1969	25	80	12	67	--	OC	8	12-69	299	35	N	CA15CRN167-80FT, 42IN, 0-28IN, WATER HIGH IN IRON & MANGANESE.
WE 257	411902N0722656.1	CONN. WATER CO	1953	10	44	12	28	--	OC	6	5-53	360	28	P	CA15CRN128-46FT, 42IN, 0-80IN, 1P 96HRS, WESTBROOK WELL.
WE 261	411724N0722555.1	C HIGHWAY DEPT	1960	80	300	8	25	9	OC	50	4-60	41	10	H	TILL, 0-20FT.
WE 262	411956N0722571.1	ADNETT CORP	1968	230	190	6	35	20	OC	35	5-64	2	180	H	TILL, 0-20FT.
WE 263	411956N0722744.1	ADNETT CORP	1968	230	190	6	35	20	OC	35	5-64	2	180	H	TILL, 0-20FT.
WE 264	411955N0722744.1	KURT SHOWALTER	1971	112	145	8	33	30	OC	5	3-71	4	145	H	DD1SAND, GRAVEL, BOULDER, 0-30FT.
WE 265	411848N0722895.1	ROBERT DAY	1965	80	100	6	26	25	OC	5	3-65	6	90	H	DD1TILL, 0-25FT.
WE 266	411711N0722744.1	WILLIAM TRINK	1965	50	115	6	35	29	OC	20	4-65	40	95	H	SAND AND GRAVEL, 0-28FT.
WE 267	411924N0722549.1	K F NICKERSON	1965	63	340	6	80	74	OC	9	10-65	3	112	H	SAND AND GRAVEL, 0-74FT.
WE 268	411925N0722533.1	RONIE	1962	20	40	2	80	--	OC	5	10-62	50	7	U	L-BOWIE TEST WELL 4.
WE 269	411906N0722601.1	CONN WATER CO	1960	24	90	8	70	93	OC	5	10-60	245	58	U	LI5CRN180-94FT, 42IN, 0-20IN, 1P 386HRS, HOLBROOK TEST WELL 1.
WE 270	411909N0722600.1	CONN WATER CO	1969	30	69	12	--	--	OC	2	9-69	400	34	U	LI5CRN170-90FT, 8IN, 0-20IN, 1P 72HRS, HOLBROOK TEST WELL 3.
WE 271	411799N0722523.1	CONN WATER CO	1957	8	37	2	--	41	OC	1	10-57	90	--	U	LI-GUSTAFSDN 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.

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
Town of Berlin			B 384. 413735N0724501.1. Town of Berlin. S. B. Church Co.			B 390. 413801N0724433.1. Town of Berlin. S. B. Church Co.		
B 318. 413645N0724910.1. B. E. Perzan. Commercial Drilling.			Sand, medium to fine	0- 3	3	Clay, reddish-brown, and fine to very coarse sand	0- 22	22
Soil	0- 10	10	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
Trap	10- 30	20	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
Sandstone	30-102	72	Sand, medium to coarse, with con- siderable 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
B 364. 413811N0724528.1. Rowland Products Co. J. J. Stack.			Gravel and clay (till)	30- 33	3	Sand, fine to very coarse, reddish- brown with increase of silt and clay	47- 52	5
Fill (bricks)	0- 17	17	Sand, medium, with considerable amounts of silt and clay	33- 40	7	Sand, very fine to fine, reddish- brown with silt; some clay	52- 57	5
Clay, red	17- 31	14	Sand, fine to medium	40- 43	3	Clay, light brown and some clay; trace of medium to coarse sand ...	57- 67	10
Brownstone	31-350	319	Sand, medium to coarse, with gravel and clay	43- 51	8	Sand, fine to very coarse, reddish- brown; clay and silt	67- 73.5	6.5
Slate, black	350-400	50	Till, composed of clay and gravel	51- 58	7	Refusal	at 73.5	
			Sandstone, red	58- 64	6			
B 366. 413834N0724313.1. W. J. Violette. Charles Rhodes & Sons.			B 385. 413759N0724432.1. Town of Berlin. S. B. Church Co.			B 391. 413758N0724428.1. Town of Berlin. S. B. Church Co.		
Fill	0- 5	5	Clay, red-brown, with some fine to medium gravel	0- 10	10	Clay, light brown, and fine to coarse, reddish-brown sand	0- 27.5	27.5
Clay	5- 25	20	Clay, silt, and fine to medium red-brown sand, with small amounts of gravel	10- 20	10	Sand, very fine to very coarse, dark brown; rare small gravel; trace of silt	27.5- 37.5	10
Hardpan (till)	25- 70	45	Gravel, fine to medium, red- brown, with silt and clay; appears to be stratified into distinct beds	20- 40	20	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
Brownstone	70-157	87	Gravel, fine to coarse, red-brown, with large amounts of silt and clay	40- 50	10	Sand, very fine to fine, dark brown; trace of medium to coarse sand, clay, and silt	47.5- 52.5	5
B 367. 413622N0724746.1. P. H. Larson. J. J. Stack.			Sand, medium to coarse, red-brown, with large amounts of silt and clay and some fine gravel	50- 60	10	Sand, very fine to very coarse, reddish to dark brown; clay and silt	52.5- 57.5	5
Gravel and sand (till)	0- 10	10	Silt and clay, red-brown, with some medium sand	60- 82	22	Sand, fine to very coarse, reddish- brown, and medium to large gravel; silt and clay	57.5- 62.5	5
Shale	10- 25	15	Shale	82- 87	5	Refusal	at 75	
Brownstone	25- 75	50				B 392. 413740N0724502.1. Town of Berlin. S. B. Church Co.		
Slate, blue	75-100	25				Sand, very fine to fine, red; red clay and silt	0- 27.5	27.5
Brownstone	100-160	60				Sand, fine to very coarse, reddish- brown, and angular to well rounded gravel; trace of silt and clay ..	27.5- 37.5	10
B 368. 413552N0724843.1. Brookview Hills Development. Rizza Drilling Corp.						Sand, coarse, with some fine to medium, reddish-brown	37.5- 42.5	5
Sand and gravel	0- 60	60				Sand, medium to very coarse and some fine, reddish-brown; rare small gravel; trace of silt and clay	42.5- 51	8.5
Rock, red	60- 70	10				Refusal	at 51	
Trap	70-160	90				B 393. 413514N0724738.1. Fish and Wildlife. Unit of D.E.P. R. E. Chapman Co.		
B 371. 413831N0724341.1. Liberty Industries, Inc. New Britain Well Drilling.			B 386. 413616N0724559.1. Town of Berlin. S. B. Church Co.			Topsoil	0- 5	5
Gravel, medium, and hardpan	0- 30	30	Fill, artificial, peat, and medium gravel	0- 8	8	Gravel, medium	5- 27	22
Sand, fine, and water	30- 40	10	Sand, medium to coarse	8- 11	3	Gravel, medium (heaved)	27- 32	5
Clay, brown, packed	40- 94	54	Gravel, medium, with considerable amounts of clay	11- 15	4	Gravel, medium	32- 37	5
Shale, gray	94-175	80	Gravel and cobbles with consider- able amounts of silt and clay stratified into distinct beds ..	15- 35	20	Gravel, fine (heaved)	37- 43	6
B 373. 413515N0724741.1. Fish and Wildlife. Unit of D.E.P. S. B. Church Co.			Gravel with sand, some silt and clay	35- 45	10	Gravel, medium	43- 47	4
Sand, fine, and clay	0- 10	10	Gravel, medium to coarse, inter- stratified with clay	45- 53	8			
Sand, medium, and clay	10- 20	10	Till composed of clay and cobbles ..	53- 55	2			
Sand, coarse, and clay	20- 25	5	Sandstone, red	55- 59	4			
Sand, coarse, and gravel	25- 46	21				B 394. 413656N0724633.1. J & J Nursery. Driller unknown.		
Hardpan, gravelly	46- 48	2	B 387. 413626N0724655.1. Town of Berlin. S. B. Church Co.			Sand, coarse	0- 20	20
Refusal	at 48		Silt and clay	0- 15	15	Sand, water-bearing	20-129	109
B 374. 413558N0724725.1. Conn. Yankee Girl Scout Council. Genest Well Drilling, Inc.			Sand, coarse, and gravel with some clay	15- 29	14	Clay	129-131	2
Clay and broken traprock (till)	0- 10	10	Sand, coarse, and medium gravel ..	29- 33	4	Sandstone, red	131-216	85
Traprock, large	10- 15	5	Till composed of clay and cobbles ..	33- 34	1			
Traprock, solid	15- 30	15	Sandstone, red	34- 42	8			
Shale, red	30- 45	15				B 400. 413858N0724511.1. New England Metallurgical Co. R. E. Chapman Co.		
Shale, gray	45- 90	45	B 388. 413626N0724654.1. Town of Berlin. S. B. Church Co.			Hardpan and gravel (till)	0- 30	30
Brownstone	90-110	20	Sand, very fine to very coarse, reddish-brown, and fine to coarse gravel; trace of silt and clay ..	0- 22	22	Clay, red	30- 38	8
Shale, gray	110-200	90	Sand, very fine to fine, rare coarse to very coarse, reddish- brown to tan; trace of silt	22- 32	10	Gravel, coarse; trace of clay	38- 40	2
Brownstone	200-255	55	Sand, fine to very coarse, reddish- brown, and small to medium gravel; trace of silt	27- 42	15			
Shale, gray	255-270	15	Refusal	at 42				
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.			B 389. 413728N0724600.1. Town of Berlin. S. B. Church Co.					
Sand, brown	0- 6	6	Sand, fine to very coarse, reddish-brown to brown, and medium to coarse gravel; reddish-brown clay and silt	0- 22	22			
Sand and clay	6- 58	52	Clay, reddish-brown to brown; trace of fine sand and medium gravel ..	22- 32	10			
Sand	58- 64	6	Sand, very fine to very coarse, reddish-brown to green; reddish- brown to brown silt and clay ...	32- 39	7			
Brownstone	64-140	76	Refusal	at 39				
B 378. 413857N0724529.1. Skinner Precision, Inc. J. J. Stack.								
Fill	0- 5	5						
Clay	5- 30	25						
Sand	30- 32	2						
Brownstone	32-160	128						
Slate, blue	160-170	10						
Sandstone, red	170-300	130						
B 382. 413608N0724758.1. Joseph Tirka. Rizza Drilling Corp.								
Topsoil	0- 2	2						
Soil, loose (sand)	2- 29	27						
Rock, red	29-110	81						

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 Chester</u>			<u>Town of Cromwell</u>			<u>Town of Durham</u>		
CH 267. 412447N022554.1. Connecticut Water Co. Layne-New England.			CR 251. 413626N0223955.1. S. Kalish, J. J. Stack.			D 55. 412903N0224056.1. 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- 36	16	Sand, fine	18- 42	24	Stone, brown	4-100	96
Sand, medium; some gravel	36- 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. 413738N0223941.1. J. Leghorn's Nursery, J. J. Stack.					
Sand, coarse	105-116	11	Sand, coarse	0- 25	25	D 57. 412925N0224105.1. Wm. Parsons Co. Rachbauer Bros.		
Refusal	at 116		Quicksand	25-172	147	Soft, sandy, and hardpan (till) ..	0- 20	20
CH 268. 412443N022552.1. 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
Sand, silty; trace fine sand	20- 31	11						
Sand, fine to medium	31- 41	10	CR 325. 413542N0223949.1. F. Pallino, Rizza Drilling Corp.			D 62. 412738N0224147.1. I. G. Grossman. (Butch) Paganetti Well Drilling Co.		
Sand, fine to coarse	41- 57	16						
Sand, fine to medium	57-116	59	Sand	0- 35	35	Hardpan	0- 7	7
Refusal	at 116		Clay	35- 85	50	Rock, weathered	7- 10	3
			Sandstone, red	85-265	180	Brownstone	10- 97	87
<u>Town of Clinton</u>								
CL 190. 411741N0223145.1. Connecticut Water Co. R. E. Chapman Co.			CR 329. 413617N0224239.1. C. Crowell, J. J. Stack.			D 107. 412807N0224035.1. Joseph Bertolini, Frank Garigliano.		
Topsoil and gravel	0- 10	10	Sand and fine gravel	0- 25	25	Clay (till)	0- 30	30
Gravel, medium	10- 20	10	Clay, red	25-104	79	Gravel and sand	30- 55	25
Sand and gravel	20- 35	15	Brownstone	104-185	81	Sandstone	55-200	145
Gravel, medium	35- 45	10						
Sand and gravel	45- 70	25	CR 330. 413618N0224239.1. R. Krashan, J. J. Stack.					
Gravel, medium	70- 75	5	Sand, medium	0- 20	20	DR 131. 412123N0222901.1. William Ressler, Mike Rank.		
Sand, medium	75- 80	5	Hardpan	20- 50	30			
			Clay, red	50- 61	11	Sand and boulders (till)	0- 30	30
CL 191. 411824N0223500.1. Connecticut Water Co. Layne-New England.			Brownstone	61-140	79	Schist, mica, dark gray	30-100	70
Fill	0- 4	4	Shale, blue	140-165	25	Rock, very soft, light colored	100-185	85
Sand, fine to coarse, yellow-brown; trace of gravel	4- 30	26				Schist, mica, dark gray	185-230	45
Sand, fine to coarse, tan; fine to coarse gravel	30- 40	10	CR 331. 413658N0224201.1. D. Lucco, Staven Bros.			Rock, very soft, light colored	230-265	35
Sand, medium to coarse, tan; trace of fine sand; trace of fine gravel	40- 55	15	Sand and gravel	0- 10	10			
Same as above with more fines	55- 60	5	Hardpan (basalt)	10-250	240			
Sand, fine to coarse, tan; gravel	60- 63	3	Bedrock (shale)	250-340	90			
Sand, fine to coarse, tan; fine to coarse gravel	63- 78	15						
Sand, medium to coarse, tan; trace of fine sand; trace of coarse gravel	78-100.5	22.5	CR 336. 413712N0224224.2. Richard Wise, J. J. Stack.					
			Sand mixed with large stones (till) ..	0- 30	30	Gravel mixed with hardpan and boulders (till)	0- 40	40
			Hardpan	30-110	80	Rock, medium, dark, mixed with granite, shale, and silt	40-180	140
			Clay	110-137	27	Sand rock, hard, dark	180-230	50
			Slate and redrock	137-275	138			
CL 199. 41760N0223413.1. Connecticut Water Co. Layne-New England.			CR 346. 413728N0224033.1. Tobyn's Package Store, J. J. Stack.					
Topsoil, silt, and sand	0- 20	20	Sand	0- 16	16			
Sand, fine to coarse, silt, and boulders	20- 50	30	Clay	16- 20	4	Fill	0- 4.5	4.5
Sand, fine, silt, and clay	50- 60	10	Shale	20- 22	2	Sand, fine to medium	4.5- 8	3.5
Gravel, fine to medium, and sand ..	60- 82	22	Brownstone	22- 90	68	Peat	8- 23	15
Sand, gray, and silt	82- 84	2				Sand, fine; silt; trace of peat	23- 33	10
			CR 349. 413542N0223950.1. F. Pallino, Rizza Drilling Corp.			Sand, fine, and silt	33- 42	9
CL 200. 411744N0223414.1. Connecticut Water Co. Layne-New England.			Sand	0- 25	25	Sand, fine to medium, and gravel	42- 48	6
Topsoil	0- 3	3	Clay and gravel	25- 70	45	Sand, fine	48- 52	4
Sand	3- 5	2	Rock, red, and gray shale	70-245	175	Sand, coarse, and gravel	52- 57	5
Sand, fine to coarse, and large cobbles	5- 10	5				Sand, medium to coarse, and cemented gravel	57- 61.5	4.5
No sample	10- 15	5	CR 350. 413616N0224202.1. Lord Cromwell Motel, Frank Garigliano.			Refusal	at 61.5	
Sand, fine to coarse, and cobbles ..	15- 25	10	Sand and gravel	0- 5	5			
Sand, fine, cobbles, and boulders ..	25- 35	10	Traprock	5- 95	90	EHM 370. 413340N0223156.1. Town of East Hampton, Engineering Services, Inc.		
Sand, fine to coarse	35- 38	3	Redrock	95-137	42	Peat	0- 2	2
Sand, fine to coarse, and tan cobbles	38- 50	12	Shale	137-160	23	Sand, fine to medium	2- 15	13
Sand, fine, gray; some coarse sand and cobbles	50- 60	10	Shale	160-185	25	Sand, medium to fine	15- 30	15
Sand, coarse; some fine sand, and cobbles	60- 84	24	Redrock	185-200	15	Sand, medium to coarse, and gravel ..	30- 42	12
			Redrock	200-210	10	Sand, medium to fine	42- 56	14
CL 212. 411716N0223039.1. Town and Country Homes, Briller unknown.			CR 351. 413612N0224202.1. Lord Cromwell Motel, Frank Garigliano.			Hardpan, cemented	56- 58	2
Hardpan (till)	0- 8	8	Sand and gravel	0- 22	22			
Sand, fine, pea gravel, and boulders ..	8- 51	43	Traprock	22-105	83			
Granite	51-210	159	Shale	105-155	50	Sand, medium, and organic material; trace of fine and coarse sand ...	0- 14	14
			Redrock	155-180	25	Sand, fine to medium; some silt and organic material	14- 18	4
CL 217. 411740N0223412.1. Connecticut Water Co. Layne-New England.			Shale	180-212	32	Clay, silty, gray	18- 24	6
Fill and peat	0- 5	5	Redrock	212-232	20	Sand, coarse to very coarse, with silt and small gravel	24- 28	4
Sand, fine, and silt	5- 51	46				Sand, coarse to very coarse, and small gravel	28- 37	9
Sand, coarse, and gravel	51- 61	10	CR 352. 413628N0224100.1. Cromwell Hills, Inc. Water Exploration and Development Corp.			Sand, coarse to very coarse, and small gravel with fine sand and silt	37- 40	3
Sand, fine, and silt	61- 65	4	Clay (till)	0- 15	15	Sand, very coarse, and small gravel; little fine and medium sand	40- 54	14
Sand, fine, and cobbles	65- 74	9	Clay and till	15- 45	30	Refusal	at 54	
Gravel, coarse, and sand	74- 88	14	Sandstone	45- 83	38			
			Shale	83-168	85			
			Traprock	168-294	126			
			Sandstone	294-348	54			
<u>Town of Colchester</u>								
CO 316. 413454N0221947.1. Town of Colchester, Layne-New York.			CR 353. 413620N0224105.1. Cromwell Hills, Inc. Water Exploration and Development Corp.			EHM 379. 413308N0223215.1. Hilton Davis, Castle Well Drilling.		
Sand, fine, and wet, loose, brown silt	0- 25	25	Clay	0- 42	42	Clay (till)	0- 15	15
Sand, fine to medium, brown	25- 30	5	Sandstone	42- 65	23	Granite, white	15- 30	15
Sand, fine, with loose, brown silt	30- 60	30	Traprock	65-177	112	Shale and mica (schist)	30-187	157
Sand, fine to medium, with gravel and boulders	60- 75	15	Sandstone	177-231	54			
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>			<u>Town of Guilford</u>			HD 454. 412905N0723508.1. C. P. Maynard. Driller unknown.		
EHM 391. 413604N07223139.1. Howard Brown, C. S. Fowler Co.			G 374. 411732N0724132.1. Connecticut Water Co. R. E. Chapman Co.			Sand, coarse 0- 20 20 Sand, fine, and boulders 20- 50 30 Ledge (gneiss) 50-123 73		
Hardpan (till) 0- 4 4			Clay, soft, gray 0- 15 15			<u>Town of Hebron</u>		
Feldspar (pegmatite) 4- 60 56			Gravel, coarse, gray 15- 50 35			HB 10. 414008N0722259.1. Caron Bros. Orin Lee.		
Granite, salt and pepper 60-280 220			Sand, coarse, brown 50- 60 10			Hardpan (till) 0- 35 35		
EHM 409. 413304N0722700.1. Fish and Wildlife. Unit of D.E.P. R. E. Chapman Co.			Sand, coarse, dark brown 60- 65 5			Gravel, sandy 35- 55 20		
Sand, brown, gravel, and boulders .. 0- 10 10			Sand, coarse, brown 65- 75 10			Rock, gray (schist) 55-155 100		
Sand, medium, brown, and gravel 10- 25 15			Gravel, coarse, brown 75- 86 11			HB 14. 413702N0721946.1. Anthony Sylvester. Well Drillers Inc.		
Sand, fine, brown, and gravel 25- 37 12			G 387. 412142N0724409.1. H. B. Bullard, Frank E. Nann & Son.			Sand and gravel (till) 0- 23 23		
Sand, brown, and gravel 37- 50 13			Traprock 0-110 110			Granite, hard 23- 24 1		
Refusal at 50			Sandstone 110-165 55			Granite, very hard 24-172 148		
EHM 410. 413303N0722658.1. Fish and Wildlife. Unit of D.E.P. R. E. Chapman Co.			Traprock 165-190 25			HB 15. 414036N0722436.1. Town of Hebron. Stevens Bros., Inc.		
Sand, fine, brown, and boulders 0- 8 8			G 389. 411910N0724202.1. Pinewood Estates, Inc. S. B. Church Co.			Soil, rocky (till) 0- 30 30		
Sand, brown, and sharp gravel 8- 25 17			Hardpan, gravel 0- 10 10			Clay 30-100 70		
Sand, coarse, and gravel 25- 36 11			Clay 10- 14 4			Hardpan 100-145 45		
Sand, fine, brown 36- 44 8			Hardpan, gravelly 14- 21 7			Bedrock (schist) 145-450 305		
Sand, red-brown, and gravel 44- 56 12			Sand, coarse, and gravel mixed with clay 21- 28 7			HB 26. 414043N0722118.1. David Bowers. Stevens Bros., Inc.		
Sand, fine, brown, and small gravel. 56- 58 2			Hardpan, gravelly 28- 37 9			Soil, rocky (till) 0- 20 20		
Refusal at 58			Ledge 37- 40 3			Clay 20-125 105		
<u>Town of Essex</u>			G 400. 411934N0724109.1. R. A. J. Builders. William J. Aronson.			Bedrock (gneiss) 125-250 125		
ES 90. 412212N0722331.1. Heritage Cove Apartments. S. B. Church Co.			Gravel, loose (1") 0- 10 10			HB 34. 413956N0722422.1. Jeff Odell. Stevens Bros., Inc.		
Sand, coarse, and gravel 0- 12 12			Sand, fine, loose, white 10- 18 8			Topsoil, gravelly (till) 0- 15 15		
Sand, medium to coarse 12- 35 23			Silt, brown 18- 60 42			Clay 15- 48 33		
Sand, fine, with clay 35- 40.5 5.5			Clay, red 60- 71 11			Granite, gray 48-300 252		
ES 91. 412212N0722331.2. Heritage Cove Apartments. S. B. Church Co.			Sand, fine, and 1" loose gravel 71- 76 5			HB 35. 413843N0722159.1. John Pawlina. Orin Lee.		
Sand, coarse, and gravel 0- 12 12			Granite, gray 76- 92 16			Hardpan (till) 0- 15 15		
Sand, medium to coarse 12- 35 23			G 401. 411918N0724058.1. Shore Valley Builders. S. B. Church Co.			Gravel 15- 30 15		
Sand, fine, with clay 35- 63 28			Swamp muck 0- 2 2			Schist 30-165 135		
Clay and silt with some coarse sand. 63- 68 2			Sand, coarse, and cobbles 2- 6 4			<u>Town of Killingworth</u>		
Hardpan 68- 70 2			Sand, coarse 6- 11 5			K 148. 412127N0723353.1. Fred Winkel, Esq. Rachbauer Bros.		
ES 92. 412136N0722414.2. Connecticut Water Co. R. E. Chapman Co.			Sand, medium 11- 17 6			Loam 0- 3 3		
Gravel, coarse, brown 0- 15 15			Sand, fine, and clay 17- 26 9			Granite, coarse 3- 5 2		
Sand, medium, brown 15- 32 17			Clay, red 26- 40 14			Granite, fine grained, very hard, dry 5-190 185		
Gravel, medium, brown 32- 40 8			Sand, coarse; some pea gravel 40- 42 2			Granite, gray 190-245 55		
Sand, medium 40- 45 5			Sand, medium to coarse 42- 47 5			K 170. 412146N0723241.1. Marcinek, R. C. Chapman Co.		
Gravel, medium, brown 45- 52 7			Sand, medium to coarse; some clay .. 47- 50 3			Sand, medium to coarse, brown, and gravel 0- 10 10		
Sand, silty, brown at 52			Hardpan 50- 51 1			Sand, medium to coarse, brown 10- 25 15		
ES 99. 412024N0722327.1. Fred Edmond. M. L. Beal.			<u>Town of Haddam</u>			Sand, fine to medium, gray 25- 30 5		
Glacial drift and broken rock (till) 0- 25 25			HD 414. 412831N0722992.1. Northeast Utilities. S. B. Church Co.			Sand, coarse, gray, and gravel 30- 42 12		
Granite, soft 25-100 75			Sand, medium 0- 10 10			<u>Town of Lebanon</u>		
Granite, hard 100-116 16			Silt and clay, gray 10- 77 67			LB 2. 413724N0721921.1. Besek Lake Water Co. Austin.		
ES 100. 412103N0722443.1. Valley Metallurgical Processing Co., Inc. S. B. Church Co.			Sand, coarse, and clay 77- 80 3			Soil, dirt, and boulders (till) 0- 10 10		
Gravel 0- 15 15			Sand, fine, red, with clay 80-100 20			Granite, hard 10-100 90		
Silt, fine, sand, and clay 15- 38 23			Sand, fine 100-105 5			Rock, soft, main water bed 100-115 15		
Sand, clean 38- 45 7			Sand, fine 105-114 9			Rock, alternating hard and soft, water bearing 115-220 105		
Sand, dirty, gray 45- 55 10			Hardpan 114-116 2			<u>Town of Lyme</u>		
Sand, coarse, dirty, and gravel 55- 69 14			HD 415. 412845N0722929.1. Northeast Utilities. S. B. Church Co.			L 205. 412304N0722100.1. L. H. Baker. E. D. Hammond, Inc.		
Sand, dirty; some clay 69- 80 11			Silt and fine gray sand 0- 13 13			Topsoil 0- 2 2		
Sand and gravel, dirty 80- 90 10			Sand, coarse, and gravel 13- 57 44			Sand, fine 2-125 123		
Hardpan 90- 95 5			Hardpan at 57			Granite 125-268 143		
Ledge at 95			HD 416. 412847N0722940.1. Northeast Utilities. S. B. Church Co.			L 206. 412212N0722148.1. F. Jones. E. D. Hammond, Inc.		
ES 103. 412042N0722330.1. Seeley, Rizza Drilling Corp.			Silt and fine gray sand 0- 15 15			Sand and gravel 0- 35 35		
Sand 0- 20 20			Sand, coarse, and gravel 15- 47 32			Sand, fine 35- 52 17		
Gravel, coarse 20- 30 10			Hardpan at 47			Granite 52-353 301		
Gravel and hardpan 30- 90 60			HD 437. 412958N0723022.1. Shoreline Homes, Inc. Rizza Drilling Co.			L 209. 412308N0722001.1. E. W. Bokke. E. D. Hammond, Inc.		
Granite 90-185 95			Sand and gravel (till) 0- 20 20			Loam 0- 3 3		
ES 112. 412106N0722651.1. Dennis Dodds. M. L. Beal.			Ledge, soft 20- 40 20			Sand 3- 15 12		
Loam, gravelly 0- 30 30			Ledge, granite 40-115 75			Sand, hard packed 15- 30 15		
Granite, soft, gray 30-130 100			HD 442. 412647N0723507.1. James Casella, Edward Garboski.			Rock, gray 30-133 103		
Granite 130-148 18			Sand, fine, yellow 0- 35 35			L 216. 412319N0722321.1. Parker Lord. M. L. Beal.		
ES 116. 412136N0722414.1. Connecticut Water Co. R. E. Chapman Co.			Granite, medium, light gray 35-125 90			Topsoil 0- 2 2		
Sand, brown 0- 20 20			Granite, coarse, dark gray 125-195 70			Gravel 2- 20 18		
Sand and medium brown gravel 20- 30 10			Granite, fine, hard, gray 195-225 30			Granite, hard, white 20-185 166		
Gravel, medium, gray 30- 40 10			Granite, medium, dark gray 225-290 65					
Gravel, medium, gray, and medium sand 40- 48 8			HD 443. 412708N0722942.1. Michael Massina, Castle Water Well Drilling Co.					
Sand, silty, and clay 48- 54 6			Sand, fine, and boulders 0- 6 6					
Hardpan 54- 56 2			Sandstone (schist) 6- 24 18					
Ledge at 56			Granite, gray 24- 80 56					
ES 117. 412116N0722424.1. Connecticut Water Co. S. B. Church Co.			Mica and sandstone (schist) 80-100 20					
Topsoil 0- 3 3			HD 447. 412746N0722950.1. F. J. Kelsey. Castle Water Well Drilling Co.					
Gravel 3- 10 7			Gravel, medium 0- 15 15					
Sand, coarse 10- 25 15			Clay 15- 28 13					
Sand, medium 25- 43 18			Sand, medium 28- 36 8					
Hardpan 43- 54.5 11.5			Granite, gray 36- 60 24					
Ledge at 54.5			Mica (schist) 60- 70 10					

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 Lyme--Cont.</u>			MA 307. 411813N0723458.1. Connecticut Water Co. Layne-New England.			MT 256. 413320N0723456.2. Hartford Electric Light Co. S. B. Church Co.		
L 217. 412444N0722016.1. Eva Leffingwell. George Wilkie.			Topsoil; fine-grained, silty, reddish- brown sand and boulders.	0- 5	5	Silt, black.	0- 15	15
Sand and gravel.	0- 20	20	Sand, fine, angular to subrounded			Silt, black; wood.	15- 20	5
Hardpan and boulders.	20-100	80	coarse gravel, and cobbles.	5- 15	10	Silt, black, and fine sand; wood.	20- 25	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, and silt.	30- 35	5
Hardpan and boulders (till).	0- 12	12	Sand, coarse, to fine gravel.	36- 58	22	Sand, fine, dirty, silt, and fine gravel.	35- 40	5
Ledge, soft.	12- 16	4	Sand, fine to coarse.	58- 71	13	Sand, medium, dirty.	40- 50	10
Gneiss; gray; abundant mica, gold color at 40-50 ft.	16-300	284	Refusal, probably bedrock.	at 71		Sand, clean.	50- 63	13
L 224. 412412N0721811.1. William McCourt. Speirs Drilling Co.			MA 308. 411745N0723418.1. Connecticut Water Co. Layne-New England.			Ledge (schist).	63- 67	4
Gravel, coarse, and boulders.	0- 32	32	Sand, medium to coarse, and fine, yellowish-gray gravel.	0- 20	20	MT 260. 413318N0723442.1. Hartford Electric Light Co. S. B. Church Co.		
Gneiss, gray.	32-150	118	Sand, fine.	20- 40	20	Sand, fine, dirty; silt and clay.	0- 25	25
Granite, tan (Alaskite).	150-200	50	Sand, coarse, and gravel.	40- 50	10	Sand, dirty, and silt.	25- 35	10
L 227. 412204N0721752.1. Maxine Sicord. The Able Drillers & Pump Co.			Sand, coarse; fine to coarse gravel; occasional pebbles.	50- 65	15	Sand, dirty, silt and clay; some gravel.	35- 45	10
Gravel, coarse.	0- 27	27	Sand, fine to coarse.	65- 70	5	Gravel, coarse, and sand.	45- 50	5
Sand, fine.	27- 80	53	Refusal.	at 70		Sand, very coarse.	50- 65	15
Gravel, coarse.	80- 90	10	MA 309. 411747N0723416.1. Connecticut Water Co. Layne-New England.			Sand, coarse; 3/4" gravel.	65- 70	5
L 228. 412226N0722135.1. Joseph Rhodes, Jr. S. B. Church Co.			Silt, fine to medium sand, and yellowish-gray gravel.	0- 10	10	Ledge (schist).	70- 76	6
Sand, fine.	0- 6	6	Clay, bluish-gray, silt, and peat.	10- 21	11	MT 287. 413300N0723334.2. Pratt & Whitney Aircraft. R. E. Chapman Co.		
Hardpan, gravel.	6- 26	20	Sand, fine to coarse, silt, and clay, with occasional gravel.	21- 39	18	No samples (alluvium, silt).	0- 39	39
Sand, medium to coarse.	26- 40	14	Sand, fine to coarse, gray.	39- 52	13	Gravel, granule and a few pebbles; very fine to fine sand and silt (struck boulder at depth of 95' in well 10' east).	39- 48	9
Sand, medium, and clay.	40- 60	20	Sand, fine to coarse, gravel, and little silt.	52- 65	13	Sand, coarse to very coarse; gravel; few granules; silt.	48- 57	9
Sand, fine.	60- 65	5	Refusal.	at 65		Sand, medium to very coarse; gravel; some granules; some reddish-brown silt.	57- 65	8
Sand, medium.	65- 76	11	<u>Town of Middlefield</u>			Sand, medium to very coarse; gravel; granules and small pebbles; some reddish-brown silt.	65- 70	5
L 229. 412259N0722117.1. Hudson Bubar. George Wilkie.			MF 144. 412545N0724243.1. M. E. Lyman. E. D. Hammond, Inc.			Sand, medium; some reddish-brown silt.	70- 75	5
Gravel.	0- 10	10	Stratified drift.	0- 28	28	Sand, very coarse to medium; granules and small pebbles; some silt.	75- 80	5
Hardpan.	10- 34	24	Sandstone.	28-105	77	Gravel, granule to small pebble, and very coarse to medium sand; some silt.	80- 84.9	4.9
Sand, hardpacked, with boulders; no water.	34- 49	15	Traprock.	105-146	41	Ledge (gneiss).	at 84.9	
Rock, solid.	49-133	84	MF 148. 412552N0724316.1. Lyman Farm. Nolan.			MT 288. 413257N0723329.2. Pratt & Whitney Aircraft. R. E. Chapman Co.		
L 233. 412525N0722317.2. Louis Mldrum. Tony's Well Drilling.			Till.	0- 30	30	Silt, some fine sand, and brown clay.	0- 8	8
Dirty, soft, mixed with medium gravel and sand.	0- 30	30	Traprock.	30-170	140	Sand, very fine, silt, and brown clay.	8- 17	9
Gravel, large, 1" to 3" in diameter.	30- 35	5	Sandstone.	170-185	15	Sand, very fine, brownish-gray.	17- 32	15
Gravel, large.	35- 50	15	MF 153. 413022N0724319.1. N. Salamandra. Driller unknown.			Sand, medium to very coarse; some silt.	32- 37	5
L 235. 412448N0722021.1. Town of Lyme. Driller unknown.			Till.	0- 40	40	Sand, medium to very coarse; some silt and gravel.	32- 40	3
Sand, very fine to coarse, brown.	0- 10	10	Traprock.	40- 60	20	Gravel, pebbles to small cobbles; medium to coarse sand.	40- 43	3
Sand, medium to coarse, tight.	10- 15	5	Sandstone.	60-100	40	Sand, coarse to very coarse; silt and granule to small pebble gravel; reddish-brown.	43- 57	14
Sand, medium to coarse, loose, gray.	15- 43	28	MF 206. 413050N072427.1. H. T. Fuller. Rizza Drilling Corp.			Sand, very coarse, and red-brown granule gravel.	57- 66	9
Sand, very fine, and silt.	43- 45	2	Dirty.	0- 3	3	Sand, medium to coarse, and granule gravel.	66- 70	4
Sand, very fine to coarse, and silt.	45- 53	8	Ledge, traprock.	3-340	337	Gravel, granule to pebble; some sand and silt.	70- 77	7
Refusal.	at 53		Ledge, redrock, and sandstone.	340-385	45	Gravel, pebble; some granules and sand.	77- 88.2	11.2
L 236. 412316N0721716.1. Joseph Dumond. Carl L. Anderson.			MF 208. 413112N0724233.1. Peter Gostyla. Rizza Drilling Corp.			Ledge (gneiss).	at 88.2	
Hardpan and boulders (till).	0- 30	30	Gravel and boulders (till).	0- 24	24	MT 300. 413203N0723318.1. Pratt & Whitney Aircraft. A. J. Bucco.		
Gravel.	30- 40	10	Ledge, traprock.	24- 90	66	Sand.	0- 60	60
Ledge, granite, soft.	40- 50	10	Redrock.	90-125	35	Clay, gray.	60- 85	25
Granite, firm (but easily broken down into sand).	50-100	50	Shale, gray.	125-145	20	Quicksand, gray.	85-105	20
<u>Town of Madison</u>			MF 210. 413113N0724234.1. Peter Gostyla. Rizza Drilling Corp.			Hardpan, gray.	105-135	30
MA 289. 411742N0723705.1. Madison High School. S. B. Church Co.			Gravel and stones (till).	0- 30	30	Gravel.	135-165	30
Sand and gravel.	0- 20	20	Ledge, traprock.	30- 90	60	MT 308. 413243N0723320.1. Pratt & Whitney Aircraft. R. E. Chapman Co.		
Sand, fine.	20- 25	5	Redrock.	90-130	40	Gravel, granules; some coarse to very coarse, brown pebbles; sand	0- 10	10
Sand, fine, and clay.	25- 30	5	Shale, gray.	130-210	80	Gravel, granule to pebble; some silt and fine reddish-brown sand	10- 20	10
Clay, blue.	30- 50	20	<u>Town of Middletown</u>			Sand, coarse to very coarse, and reddish- brown pebble gravel granule.	20- 75	55
Sand, fine, dirty.	50- 57	7	MT 79. 413309N0724117.1. L. Wells. Murray & Son.			Sand, very coarse; granule to pebble gravel.	75- 86	11
Ledge, decomposed, broken.	57- 67	10	Till.	0- 12	12	Refusal (gneiss).	at 86	
Ledge, hard, gray.	67-400	333	Traprock.	12-134	122			
MA 290. 411740N0723702.1. Madison High School. S. B. Church Co.			Sandstone.	134-174	40			
Sand with traces of clay.	0- 34	34	MT 239. 413306N0723353.1. Pratt & Whitney Aircraft. Layne-New York.					
Clay, blue.	34- 57	23	Clay, gray.	0- 17	17			
Rock, hard, gray.	57-376	319	Clay, light brown.	17- 20	3			
MA 296. 411644N0723645.1. Robert Green. Frank E. Nann & Son.			Clay, gray; woodchips at 27'.	20- 28	8			
Sand, fine.	0- 35	35	Gravel.	28- 31	3			
Hardpan.	35- 55	20	Sand, coarse, and gravel.	31- 36	5			
Granite.	55-120	65	Gravel and sand.	36- 39	3			
			Sand, fine, brown.	39- 40	1			
			Sand, fine, yellow, and gravel.	40- 44	4			
			Sand, fine, yellow; some gravel.	44- 47	3			
			Sand and gravel.	47- 50	3			
			Sand, coarse, and gravel.	50- 52	2			
			Sand, coarse to fine.	52- 54	2			
			Sand, fine, dark yellow.	54- 63	9			
			Ledge, gray.	63- 64	1			

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 348. 41323N0723314.1. Pratt & Whitney Aircraft. R. E. Chapman Co.			NB 211. 41391N0724548.1. Coating Products, Inc. J. J. Stack.		
MT 309. 41325N0723334.1. Pratt & Whitney Aircraft. R. E. Chapman Co.			Clay, red, and sand	0-10	10	Gravel	0-10	10
Sand, medium to very coarse; granule to cobble gravel	0-21	21	Gravel, coarse, red	10-30	20	Clay	10-36	16
Gravel, pebbles, and medium to coarse sand	21-31	10	Sand, medium, and gravel	30-40	10	Slate, blue, and brownstone	36-270	234
Sand, medium to very coarse, and granule to pebble gravel	31-64	33	Gravel, medium, and coarse sand	40-55	15	Town of Old Saybrook		
Sand, medium to very coarse, and granule gravel; few pebbles; trace of till	64-75	11	Sand, medium, red	55-65	10	OS 259. 411726N0722357.1. R. R. Donnelley Co. S. B. Church Co.		
Sand, medium to very coarse; some granule to pebble gravel	75-80	5	Refusal	75-78	3	Sand, dirty, brown, and gravel	0-12	12
Sand, fine to very coarse	80-90	10	MT 385. 41341N0724315.1. Robert Scripps. Edward Garbowski.			Sand, very dirty, brown, with clay and gravel	12-21	9
Sand, fine to very coarse; some granule gravel	90-95	5	Hardpan (till)	0-5	5	Sand, very fine, gray, and clay with some stones	21-40	19
Silt and fine to medium sand	95-110	15	Traprock	5-449	444	Gravel, coarse, dirty	40-55	15
Ledge (gneiss)	at 110		Redrock	449-475	26	Silt and clay	55-60	5
MT 321. 41325N0723332.2. Pratt & Whitney Aircraft. R. E. Chapman Co.			MT 386. 41333N0723331.2. City of Middletown. R. E. Chapman Co.			Hardpan (till)	60-63	3
Gravel, granule to pebble (up to 50 mm in diam.), and medium to very coarse sand; some reddish-brown silt and clay; till-like in part	0-10	10	Fill	0-6	6	Ledge	at 63	
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, brown	10-20	10	OS 261. 411728N0722413.1. R. R. Donnelley Co. S. B. Church Co.		
Gravel, granule to pebble (up to 50 mm in diam.); occasional cobble; some fine to coarse sand; some silt and clay	80-97	17	Clay, silty, gray	20-42	22	Cobbles	0-10	10
Ledge (gneiss)	at 97		Sand, fine to coarse, gray; cobble gravel; silt	42-46	4	Sand, coarse, and gravel	10-28	18
MT 323. 41333N0723731.1. City of Middletown. R. E. Chapman Co.			Sand, coarse, and medium brown gravel	46-56	10	Clay	28-33	5
Gravel fill	0-7	7	Sand, medium to coarse, brown, and cobble gravel; silt	56-63.5	7.5	Hardpan	33-38	5
Clay, marine, gray	7-21	14	MT 387. 41333N0723735.2. City of Middletown. R. E. Chapman Co.			Rock	38-40	2
Clay, silty, gray	21-44	23	Fill, gravelly	0-6	6	OS 262. 411942N0722240.1. W. H. Tooker. Aronson Well Drilling Co.		
Hardpan, gray	44-46	2	Sand, fine, red	6-14	8	Loam	0-1	1
Gravel, medium, gray	46-48	2	Clay, gray	14-48	34	Sand, coarse, loose, and 1/2" gravel	1-25	24
Hardpan, red	48-58	10	Sand, medium, gray	48-55	7	Sand, medium, brown, and 1/2" gravel	25-60	35
Gravel, coarse, brown	58-67	9	Sand, coarse, gray	55-58	3	Sand, coarse, and 1/2" gravel	60-73	13
MT 324. 41331N0723445.1. Hartford Electric Light Co. S. B. Church Co.			Gravel, medium, and brown sand	58-64	6	Town of Portland		
Hardpan (fill and alluvium)	0-30	30	Hardpan, red (till)	64-68	4	P 96. 41342N0723416.1. Wesley Lee. Edward Garbowski.		
Sand, medium; some silt	30-45	15	Refusal	68-69	1	Hardpan, yellow (till)	0-8	8
Sand, medium to coarse, and gravel; some clay	45-60	15	MT 388. 41310N0723909.1. Knight. Rizza Drilling Corp.			Boulder, gray	8-15	7
Sand, coarse, clean, and gravel; some clay layers	60-69	9	Sand, medium, red, and gravel (till?)	0-11	11	Hardpan, yellow (till)	15-25	10
Hardpan	69-70	1	Bluestone (shale)	11-80	69	Feldspar, soft, gray	25-85	60
Bedrock	at 70		Brownstone (sandstone)	80-95	16	Feldspar, hard, and mica	85-115	30
MT 325. 413129N0723752.1. City of Middletown. R. E. Chapman Co.			MT 389. 41333N0723732.1. Middletown Water Dept. R. E. Chapman Co.			P 106. 41335N0723834.1. A. Tomaso, Inc. Conn. Test Boring, Inc.		
Loam and clay	0-1	1	Silt, fine, gray, and clay	0-38	38	Sand, fine to medium, gray; trace silt	0-27.6	27.6
Sand and gravel	1-7	6	Sand, fine to coarse; some gravel	38-45	7	Clay, silty, gray; trace fine sand	27.6-33	5.4
Clay, fine, red	7-30	23	Sand, coarse, and gravel; brown	45-59	14	Clay, silty; layers fine sand	33-38	5
Silt and clay	30-39	9	MT 390. 41333N0723734.1. Middletown Water Dept. Driller unknown.			Sand, fine to medium, gray; some silt	38-43	5
Sand, fine, fine gravel, and clay	39-47	8	Sand, coarse, brown	0-6	6	Sand, fine to coarse, gray; trace silt	43-53	10
Sand, medium, and gravel	47-56	9	Clay, silty, gray	6-41	35	Sand, fine to medium, gray; trace silt	53-58	5
Sand, fine to medium, and gravel	56-69	13	Sand, coarse, and gray gravel	41-50	9	Sand, fine to coarse, gray	58-68.5	10.5
Sand, fine to medium, and fine gravel	69-78	9	Sand, coarse, and brown gravel	50-65	15	Sand, medium to coarse; some fine to medium gravel	68.5-80	11.5
Sand, hard packed, gravel, and clay (till)	78-83	5	MT 392. 413321N0723501.1. Hartford Electric Light Co. S. B. Church Co.			Refusal	at 80	
Refusal	at 83		Sand with some gray clay and silt (river dredging)	0-20	20	Town of Westbrook		
MT 326. 413135N0723752.1. City of Middletown. Layne-New York Co.			Clay, blue-gray, with some red sand	20-35	15	WE 268. 411925N0722553.1. Bowle. R. E. Chapman Co.		
Topsoil	0-3	3	Sand, fine, red, and silt	35-40	5	Sand, fine to medium	0-35	35
Clay, red	3-20	17	Sand, fine to medium, red, and some silt	40-50	10	Sand, fine	35-72	37
Sand, silty, red, and clay	20-33	13	Sand, medium to coarse, red; very little silt	50-75	25	Sand, fine to medium	72-79	7
Sand, red, and gravel; bits of clay	33-38	5	Sand, fine to medium, red, and some silt	75-80	5	Gravel, medium to coarse	79-94	15
Sand, silty, red	38-41	3	Sand, fine, gray, with silt and clay	80-85	5	Refusal	at 94	
Sand, fine, red	41-45	4	Sand, very fine, red; clay	85-90	5	WE 269. 411906N0722601.1. Connecticut Water Co. R. E. Chapman Co.		
Sand, red, and gravel	45-47	2	Ledge	at 90		Sand, coarse, and gravel	0-15	15
MT 341. 41315N0724024.1. N. Gawlak. Morgan & Yelinski.			Town of Newington			Sand, medium	15-20	5
Hardpan (till)	0-100	100	N 93. 414125N0724225.1. HI-View Motel. E. T. Gidden.			Sand, fine	20-30	10
Clay	100-120	20	Hardpan (till)	0-3	3	Sand, medium	30-60	30
Brownstone	120-225	105	Traprock	3-375	372	Sand, medium to coarse	60-80	20
MT 343. 41330N0723903.1. Field Brothers. Rachbauer Bros.			Shale, red	375-440	65	Sand, fine	80-85	5
Sand and gravel with boulders (till)	0-45	45	Town of New Britain			Sand, medium	85-93	8
Ledge rock, broken and loose	45-55	10	N 202. 413953N0724307.1. Grantmoor. S. B. Church Co.			Ledge	at 93	
Brownstone	55-235	180	Clay, red, and silt	0-112	112	WE 270. 411909N0722600.1. Connecticut Water Co. R. E. Chapman Co.		
Rocky, gray (shale)	235-250	15	Redrock	112-280	168	Peat	0-18	18
Brownstone	250-468	218	Shale, gray	280-600	320	Sand, red, and small gravel	18-23	5
MT 344. 414019N0724525.1. Tube Bends, Inc. J. J. Stack.			Town of New Britain			Sand, fine, brown, and small gravel	23-30	7
Hardpan (till)	0-30	30	NB 210. 414019N0724525.1. Tube Bends, Inc. J. J. Stack.			Sand, sharp, brown, and small gravel	30-42	12
Gravel and fine sand	30-48	18	Hardpan (till)	0-30	30	Sand, medium, brown	42-65	23
Brownstone and blue slate	48-278	230	Traprock	30-375	372	Sand, fine to medium	65-70	5
			Shale, red	375-440	65	Sand, fine, brown	70-80	10
						Sand, fine, brown; trace clay	80-92	12
						Refusal	at 92	
						WE 271. 411705N0722523.1. Connecticut Water Co. R. E. Chapman Co.		
						Peat	0-4	4
						Sand, fine, gray	4-27	23
						Sand, coarse, gray, and gravel	27-37	10
						Clay, hard, gray, and sharp gravel (till)	37-41	4
						Refusal	at 41	

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.

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	AASHTO Classification used by Conn. Dept. of Transportation since about 1959
256	Boulders		Boulders
64	Cobbles		Cobbles — 203mm — 762mm
32	Pebbles	Gravel	Coarse gravel
16			Medium gravel — 25.4mm — 9.5mm
8			Fine gravel
4			
2	Granules	Very fine gravel	
1	Very coarse sand	Coarse sand — 0.6mm — 0.2mm	Coarse sand
0.5	Coarse sand		
0.25	Medium sand		
0.125	Fine sand		
0.062	Very fine sand	Silt — 0.08mm — 0.002mm	Silt — 0.074mm — 0.004mm
0.031	Silt		
0.015	Clay		

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)
Town of Berlin			B 3 th. 413847N0724613.1. Bureau of Highways, Dept. of Transportation. Altitude 56 ft. Drilled 1959. Depth to water 5 ft.			B 7 th. 413841N0724533.1. Bureau of Highways, Dept. of Transportation. Altitude 46 ft. Drilled 1959. Depth to water 0 ft.		
B 1 th. 413741N0724458.1. Bureau of Highways, Dept. of Transportation. Altitude 38 ft. Drilled 1959. Depth to water 4 ft.			Topsoil, dark brown to black 0- 0.1	0.1	Muck, swamp 0- 1.5	1.5		
Silt, brown 1- 4	3		Silt, brown; little fine to coarse sand; trace fine to coarse gravel; cobbles (fill) 0.1- .5	.4	Silt, tan; some fine sand grading to mottled tan silt 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	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		Silt, brown; little fine sand; trace fine gravel and roots (fill) ... 3 - 4	1	Clay, red to brown; trace stiff silt 4.5- 7	2.5		
Sand, fine to coarse, brown; little silt; few thin layers of fine gravel 13- 25.2	12.2		Silt, 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	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		Sand, fine to coarse, brown; some fine gravel; trace medium to coarse gravel; little silt (fill) 9 - 13.7	4.7	Rock, soft to medium, red 26.6- 28.5	1.9		
Sand, coarse, brown; fine gravel; some silt 44.5- 48.5	4		Silt, brown to red; some varved clay; trace fine sand; trace fine gravel .13.7- 19	5.3				
Silt, brown; trace clay 48.5- 52.7	4.2		Silt, brown to red; little varved clay; trace fine sand and gravel .19 - 24.5	5.5	B 8 th. 413840N0724533.1. Bureau of Highways, Dept. of Transportation. Altitude 52 ft. Drilled 1959. Depth to water 6 ft.			
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	Fill, cinder railroad bed and gravel; Sand, fine, light brown, and gravel; trace silt 0- 6	6		
Rock, soft to medium, brown 59.4- 65	5.6		Traprock, gray 29.5- 38.5	9	Silt, tan; little clay 6- 6.6	0.6		
B 2 th. 413847N0724612.1. Bureau of Highways, Dept. of Transportation. Altitude 58 ft. Drilled 1959. Depth to water 2 ft.			B 4 th. 413849N0724612.1. Bureau of Highways, Dept. of Transportation. Altitude 55 ft. Drilled 1959. Depth to water 4 ft.		Silt, red to brown; some varved clay 6.6- 9.5	2.9		
Topsoil, dark brown to black; cinders; glass; tin; cobbles; little coarse to fine sand (fill) 0- 3	3		Silt, brown-red; fine to medium sand; roots (fill) 0 - 3	3	Little fine sand 9.5- 10	.5		
Silt, brown; trace fine to coarse sand; fine to coarse gravel and cobbles (fill) 3 - 4	1		Sand, fine to coarse, brown-red; some fine to medium gravel; roots; little silt; trace of dark brown organic material; wood 3 - 7.3	4.3	Sand, fine to coarse, red to brown; little gravel; little silt; little clay; (glacial till) 23.4- 34	10.6		
Silt, brown; trace fine to coarse sand; trace fine to medium gravel; trace roots; trace black organic material (fill) 4 - 7.5	3.5		Silt, brown-red; little fine to coarse sand; little fine to coarse gravel; trace of cobbles (fill) .7.3- 9.4	2.1	Rock, soft to medium, red 34 - 39	5		
Sand, medium 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		Silt, brown-red; some clay; trace of fine to coarse sand; trace of grass 9.4- 14	4.6				
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		Silt, brown-red; some fine to coarse sand; little fine to coarse gravel; trace of cobbles (fill) 14 - 16.8	2.8	B 9 th. 413847N0724610.1. Bureau of Highways, Dept. of Transportation. Altitude 78 ft. Drilled 1959. Depth to water 26 ft.			
Silt, brown and red; little varved clay; trace fine to coarse sand; trace fine to medium gravel 14.5- 17	2.5		Traprock, hard, sandy, gray 16.8- 23.5	6.7	Cinders 0- 1	1		
Silt, brown and red; little varved clay; trace fine sand 17 - 21.5	4.5		B 5 th. 413812N0724410.1. Bureau of Highways, Dept. of Transportation. Altitude 31 ft. Drilled 1940. Depth to water 0 ft.		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		Clay, red, and gravel 0 - 16	16	Silt, red-brown; little clay; little medium gravel (fill) 21 - 27	6		
Silt, brown and red; some fine to coarse sand; little fine to coarse gravel; trace cobbles (fill) 26.5- 33.5	7		Sand, red, red clay, and gravel .. 16 - 27	11	Silt, brown; little fine sand; trace of decayed vegetation 27 - 29	2		
Rock, sandy, brown, and red 33.5- 39.1	5.6		Sand, coarse; gravel; cobbles 27 - 30.5	3.5	Silt, light brown; little clay with some fine sand 29 - 31	2		
					Sand, fine, red-brown and gray; to medium gravel; trace of silt .. 31 - 38	3		
					Silt, red-brown; some clay 34 - 34	4		
					Silt, varved, red-brown; varved clay 38 - 44	6		
					Sand, fine, red-brown, to gravel; silt; clay (glacial till); boulder (46.0-47.6 ft) 44 - 49.2	5.2		
					Traprock, hard, gray 49.2- 58.2	9		

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 Berlin--Cont.			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.		
B 11 th. 413834N0724524.1. Bureau of Highways, Dept. of Transportation. Altitude 48 ft. Drilled 1959. Depth to water 8 ft.			Sand, fine, brown; some silt; trace of mica; trace of medium sand	17.5- 24.2	6.7	Clay, red	0 - 20	20
Silt, brown to red; trace clay; trace fine to medium sand; roots	0 - 3	3	Sand, fine to coarse, brown- red; some silt; little fine to coarse gravel; cobbles; trace of clay (fill)	24.2- 32	7.8	Sand, fine, with some clay	20 - 25	5
Clay, brown to red; some fine to coarse sand; trace fine gravel and silt	3 - 10	7	Rock, sandy, brown-red	32 - 34	2	Clay, red	25 - 45	20
Clay and silt, brown to red	10 - 16	6	Rock, sandy, gray-brown	34 - 40.5	6.5	Bottom of hole	at 45	
Clay, varved, brown to red	16 - 39	23	B 18 th. 413738N0724453.1. Bureau of Highways, Dept. of Transportation. Altitude 44 ft. Drilled 1959. Depth to water 7 ft.			Clay, red	0 - 20	20
Gravel, fine to coarse, brown to red; some silt; little fine to coarse sand; little clay; trace cobbles (fill)	39 - 44	5	Gravel, and fine to coarse sand, red-brown; trace of cobbles; trace of silt (fill)	0 - 1.5	1.5	Clay, red; hardpan (fill)	20 - 40	20
Rock, gray	44 - 48	4	Silt, red-brown; trace of fine gravel (fill)	1.5- 7.5	6	B 32 th. 413706N0724751.1. Town of Berlin. Altitude 180 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		
Rock, brown to red	48 - 49	1	Silt, brown; some clay; trace of decayed grass roots; little medium sand; trace of coarse sand; gradual color change to red-brown	7.5- 12	4.5	Clay, red; hardpan (fill)	0 - 12	12
B 12 th. 413755N0724510.1. Bureau of Highways, Dept. of Transportation. Altitude 72 ft. Drilled 1959.			Gravel, fine, red-brown; trace of fine to medium sand; trace of silt	12 - 16.5	4.5	Ledge	at 12	
Silt, red to brown; trace clay	0 - 9	9	Silt, red-brown; trace of varved clay	16.5- 19.5	3	B 35 th. 413706N0724754.1. Town of Berlin. Altitude 175 ft. Drilled 1952. Depth to water 3 ft. Drilled by S. B. Church Co.		
Sand, medium, red to brown, to gravel; trace fine sand; trace silt; trace clay; trace cobble (fill)	9 - 17	8	Sand, fine to medium gravel; red-brown; trace of silt	19.5- 21.5	2	Clay, red; hardpan (fill)	0 - 10	10
Rock, soft to medium, red	17 - 29	12	Clay and silt, red-brown	21.5- 29.5	8	Ledge	at 10	
B 13 th. 413848N0724618.1. Bureau of Highways, Dept. of Transportation. Altitude 56 ft. Drilled 1959. Depth to water 2 ft.			Sand, fine to medium, red-brown; trace of silt	29.5- 33	3.5	B 38 th. 413714N0724504.1. Town of Berlin. Altitude 55 ft. Drilled 1952. Depth to water 8 ft. Drilled by S. B. Church Co.		
Sand; clinder; silt; gravel (fill) ..	0 - 9	9	Sand, fine, to medium gravel; red-brown; trace of silt	33 - 43.3	10.3	Sand, red	0 - 8	8
Silt, brown; trace clay	9 - 14	5	Clay and silt, red-brown	43.3- 55.7	12.4	Clay, red	8 - 62	54
Silt, varved, red	14 - 30	16	Gravel and sand, red-brown; trace of silt; trace of clay; trace of small cobbles (glacial fill) ..	55.7- 68	12.3	Ledge	at 62	
Silt and clay, brown; trace fine sand	30 - 36	6	Rock, soft-medium, red	68 - 73	5	B 39 th. 413715N0724502.1. Town of Berlin. Altitude 63 ft. Drilled 1952. Depth to water 10 ft. Drilled by S. B. Church Co.		
Sand, fine to coarse, brown; silt; trace clay	36 - 43	7	B 20 th. 413735N0724527.1. Town of Berlin. Altitude 38 ft. Drilled 1952. Depth to water 1 ft. Drilled by S. B. Church Co.			Sand, red	0 - 5	5
Boulders, cobbles, brown and gray; gravel; fine to coarse sand; silt; trace clay (fill)	43 - 53.3	10.3	Clay, red	0 - 59	59	Clay, red	5 - 35	30
Rock, brown	53.3- 61.2	7.9	Shale, broken	59 - 60	1	Bottom of hole	at 35	
B 14 th. 413847N0724617.1. Bureau of Highways, Dept. of Transportation. Altitude 53 ft. Drilled 1959. Depth to water 0 ft.			Shale and sandstone, red	60 - 65	5	B 40 th. 413725N0724712.1. Town of Berlin. Altitude 125 ft. Drilled 1952. Drilled by S. B. Church Co.		
Silt and sand	0 - 2	2	B 21 th. 413735N0724533.1. Town of Berlin. Altitude 40 ft. Drilled 1952. Depth to water 2 feet. Drilled by S. B. Church Co.			Hardpan, clayey; broken ledge (fill)	0 - 22	22
Sand, fine to coarse; some silt; little clay; trace of gravel	2 - 8	6	Clay, red	0 - 51	51	Ledge	at 22	
Sand, brown; silt; trace fine gravel ..	8 - 13	5	Clay, red; gravel hardpan	51 - 60	3	B 41 th. 413707N0724739.1. Town of Berlin. Altitude 190 ft. Drilled 1952. Depth to water 25 ft. Drilled by S. B. Church Co.		
Clay, varved, red	13 - 38	25	Ledge	at 54		Gravel, good	0 - 6	6
Silt, brown; some clay	38 - 43	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.			Gravel, hardpan	6 - 55	49
Sand, fine to coarse, brown; silt; trace of clay	43 - 48	5	Clay, red; gravel hardpan	0 - 25	25	Sand and gravel, good	55 - 75	20
Sand, fine to coarse, brown; fine gravel; silt; cobbles (fill)	48 - 58.5	10.5	Clay, red	25 - 35	10	Sand, very fine	75 - 85	10
Rock, brown	58.5- 63	4.5	Ledge	at 35		Sand, quick	85 - 95	10
B 15 th. 413736N0724429.1. Bureau of Highways, Dept. of Transportation. Altitude 66 ft. Drilled 1954. Depth to water 2 ft.			B 23 th. 413837N0724634.1. Town of Berlin. Altitude 65 ft. Drilled 1952. Depth to water 16 ft. Drilled by S. B. Church Co.			Clay, red	95 - 100	5
Sand, fine to coarse, brown to red; some silt; some fine to coarse gravel; slabs of brownstone, traprock, boulders, cobbles (fill)	0 - 3	3	Clay, red; hardpan	0 - 16	16	Clay, red; hardpan (fill)	100 - 103	3
Gravel, brown to red, and coarse to fine sand; trace silt; trace clay (fill)	3 - 4	1	Ledge	at 16		Ledge	at 103	
Silt, red to brown; some fine to coarse sand; little fine to coarse gravel; little clay	4 - 6.5	2.5	B 24 th. 413732N0724455.1. Town of Berlin. Altitude 50 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.			B 42 th. 413709N0724740.1. Town of Berlin. Altitude 165 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		
Silt, brown, gray, and red; little fine to medium sand; trace gravel; trace roots	6.5- 7	.5	Clay, red	0 - 24	24	Clay, red; hardpan	0 - 30	30
Silt, brown to red; little clay; little fine sand; trace fine gravel; trace medium sand	7 - 11	4	Sand, fine, clean	24 - 27	3	Clay, red, with sand	30 - 34	4
Silt, brown to red; some varved clay; trace fine sand; trace coarse sand	11 - 14.2	3.2	Sand, coarse	27 - 31	4	Clay, red; hardpan (fill)	34 - 61	27
Silt, brown to red; some fine to coarse sand; little fine to coarse gravel; trace clay; trace cobble (fill)	14.2- 39	24.8	Clay, red; hardpan (fill)	31 - 53	22	Ledge	at 61	
Rock, brown to red	39 - 46	7	Ledge	at 65		B 43 th. 413709N0724739.1. Town of Berlin. Altitude 165 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.		
B 17 th. 413732N0724437.1. Bureau of Highways, Dept. of Transportation. Altitude 49 ft. Drilled 1959. Depth to water 1 ft.			B 26 th. 413733N0724443.1. Town of Berlin. Altitude 45 ft. Drilled 1952. Depth to water 5 ft. Drilled by S. B. Church Co.			Gravel, good	0 - 8	8
Sand, fine to coarse, brown-black; some silt; trace of oily fine gravel; trace of organic materials; roots	0 - 3	3	Clay, red	0 - 30	30	Gravel, hardpan	8 - 55	47
Silt, brown-red; little fine to coarse sand; trace of fine to medium gravel; trace of clay	3 - 4	1	Gravel, flat, very dirty	30 - 31	1	Sand and gravel, good	55 - 70	15
Silt, brown-red; trace of fine sand; trace of clay	4 - 5.2	1.2	Clay, red, and hardpan (fill)	31 - 61	30	Sand, dirty	70 - 75	5
Silt, brown-red; some fine to coarse sand; little fine to coarse gravel; trace of clay; trace of cobbles; trace of oily black-greenish colored silt	5.2- 8.8	3.6	Ledge	at 61		Sand, very fine, with clay	75 - 83	8
Sand, fine to coarse, brown; trace of fine gravel; little silt; trace of mica (2" layer of black oily sand at 12 ft in sample 11-12 ft)	8.8- 17.5	8.7	B 27 th. 413737N0724526.1. Town of Berlin. Altitude 26 ft. Drilled 1952. Depth to water 3 ft. Drilled by S. B. Church Co.			Bottom of hole	at 83	
			Sand and gravel, clean	0 - 6	6	B 50 th. 413804N0724440.1. Town of Berlin. Altitude 47 ft. Drilled 1957. Depth to water 9 ft. Drilled by D. L. Maher Co.		
			Clay, red	6 - 22	16	Sand, fine to coarse, and small to medium gravel; red clay and silt	0 - 17	17
			Hardpan, clayey, very hard (fill) ..	22 - 32	10	Sand, fine to very coarse, reddish to brown, and rare small gravel; red clay and silt	17 - 27	10
			Bottom of hole	at 32		Sand, fine to very coarse, reddish to brown; increase of small to medium gravel; possible coarse gravel near bottom	27 - 42	15
			B 28 th. 413741N0724528.1. Town of Berlin. Altitude 25 ft. Drilled 1952. Depth to water 0 ft. Drilled by S. B. Church Co.			Sand, fine to very coarse, red, and small, green to red gravel; heavy traces of silt and clay increasing with depth	42 - 52	10
			Clay, red	0 - 60	60	Clay, brown; traces of sand and gravel	52 - 57	5
			Bottom of hole	at 60		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
						Refusal	at 75	

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 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	Topsoil; fine to coarse, reddish- brown sand; silt and clay	0 - 11	Loam, sandy	0 - 3
Clay, reddish-brown; trace of sand and gravel	19 - 29	Refusal	at 11	Gravel, fine to coarse	3 - 11
Sand, very fine to very coarse, reddish-brown to green; fine to very coarse gravel with red clay and silt	29 - 46	B 62 th. 413614N0724700.1. Town of Berlin. Altitude 120 ft. Drilled 1968. Depth to water 0 ft. Drilled by S. B. Church Co.		Gravel, fine	11 - 30
Refusal	at 46	Gravel, fine; medium to fine sand; silt; clay; red-brown	0 - 10	Sand	30 - 36
B 52 th. 413722N0724609.1. Town of Berlin. Altitude 54 ft. Drilled 1967. Drilled by D. L. Maher Co.		Sand, medium to very coarse, and well sorted, red-brown gravel	10 - 16	Clay and gravel (boulder 36- 37 ft) Refusal	36 - 39 at 39
Sand, very fine to very coarse, silt, and clay, reddish-brown to brown; trace of bog material (till)	0 - 27	Sand, very fine to medium, and fine to medium gravel	16 - 24	B 76 th. 413516N0724632.1. John Lechowicz. Altitude 170 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.	
Sand, very fine to very coarse; trace of small gravel; reddish- brown silt and clay (till)	27 - 37.5	Silt and clay	24 - 37	Silt and very fine, red-brown sand	0 - 10
Refusal	at 37.5	Refusal	at 42	Sand, very fine, silty, red-brown	10 - 33
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 63 th. 413612N0724702.1. Town of Berlin. Altitude 120 ft. Drilled 1968. Depth to water 0 ft. Drilled by S. B. Church Co.		Clay, silty	33 - 35
Clay, gummy, reddish-brown; rare very fine sand	0 - 38	Gravel, fine; fine to medium sand; silt and clay; red-brown	0 - 10	Sand, very fine, silty, firm	35 - 47
Refusal	at 38	Gravel, fine; coarse to very coarse sand; silt and clay	10 - 15	Silt, firm, uniform, red-brown, with some very fine sand	47 - 60
B 54 th. 413513N0724601.1. Town of Berlin. Altitude 180 ft. Drilled 1967. Depth to water 9 ft. Drilled by D. L. Maher Co.		Sand, fine to medium, with some coarse; considerable amount of silt and clay; poorly sorted	15 - 23	Sand, very fine, with varved silt and clay	60 - 80
Sand, very fine, reddish-brown, silt, and clay	0 - 32	Sand, fine to very fine, poorly sorted; some red-brown silt and clay	23 - 30	Silt, clayey, firm, uniform, varved with fine sand varves	80 - 102
Sand, very fine, reddish-brown to brown; small to medium gravel; reddish-brown clay; silt	32 - 49.5	Refusal	at 40	Bottom of hole	at 102
Refusal	at 49.5	B 64 th. 413730N0724600.1. Town of Berlin. Altitude 50 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.		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.	
B 55 th. 413505N0724556.1. Town of Berlin. Altitude 160 ft. Drilled 1967. Depth to water 4 ft. Drilled by D. L. Maher Co.		Clay, red	0 - 11	Sand, gravel, and clay	0 - 18
Sand, very fine, reddish-brown to brown; small to medium gravel; clay and silt	0 - 25	Clay, red, interlayered with thin beds of sand and gravel	11 - 21	Clay, sandy	18 - 31
Refusal	at 25	Sand, fine to very coarse; some gravel	21 - 32.5	Clay, firm	31 - 45
B 56 th. 413507N0724606.1. Town of Berlin. Altitude 158 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.		Refusal	at 32.5	Sand, fine, clay, and sharp gravel (till)	45 - 50
Sand, very fine, reddish-brown to brown; small to medium gravel; reddish-brown to green clay; silt	0 - 39	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 and sharp gravel (till)	50 - 64
Refusal	at 39	Clay, red	0 - 6	B 79 th. 413559N0724610.1. Town of Berlin. Altitude 108 ft. Drilled 1973. Depth to water 2 ft. Drilled by S. B. Church Co.	
B 57 th. 413636N0724636.1. Town of Berlin. Altitude 175 ft. Drilled 1967. Drilled by D. L. Maher Co.		Clay, red, interlayered with sand and gravel	6 - 12	Gravel	0 - 12
Sand, reddish-brown, clay, and silt	0 - 20.5	Sand, fine to very coarse; fine to medium gravel; silt and clay; red	12 - 26.5	Clay and silt	12 - 20
Refusal	at 20.5	Refusal	at 26.5	Clay	20 - 35
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 66 th. 413730N0724558.1. Town of Berlin. Altitude 49 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.		Gravel (takes water)	35 - 53
Sand, very fine to very coarse, reddish-brown to brown to white, and very small gravel; trace of silt and clay	0 - 27	Clay, red; some medium sand and gravel	0 - 26	Sand, fine, and clay	53 - 63
Sand, very fine to coarse, reddish- brown to green, and some small gravel; trace of silt	27 - 43.5	Sand, very fine to very coarse, and fine to coarse gravel	26 - 31	Sand, coarse, and clay	63 - 68
Refusal	at 43.5	Clay, red	31 - 34.5	Sand, fine, and clay	68 - 73
B 59 th. 413625N0724654.1. Town of Berlin. Altitude 108 ft. Drilled 1967. Depth to water +2 ft. Drilled by D. L. Maher Co.		Refusal	at 34.5	Sand, coarse	73 - 79
Sand, very fine to very coarse, reddish- brown to clear, and very small to coarse gravel; trace of silt and clay	0 - 22	B 67 th. 413712N0724617.1. Town of Berlin. Altitude 63 ft. Drilled 1967. Depth to water 0 ft. Drilled by S. B. Church Co.		Gravel	79 - 88
Sand, very fine to fine, rare coarse to very coarse, reddish-brown to tan; trace of silt	22 - 27	Sand, fine	0 - 3	Sand, fine	88 - 93
Sand, fine to very coarse, reddish- brown to brown, and small to medium gravel; trace of silt	27 - 38	Sand, coarse; some gravel	3 - 10	Gravel and clay	93 - 98
Bottom of hole	at 38	Sand, medium, well sorted	10 - 21	Sand	98 - 100
B 60 th. 413536N0724722.1. Town of Berlin. Altitude 158 ft. Drilled 1967. Depth to water 0 ft. Drilled by D. L. Maher Co.		Clay and silt	21 - 28	Gravel	100 - 105
Sand, very fine to very coarse, reddish-brown to brown; silt; clay	0 - 26	Clay and silt	28 - 30	B 80 th. 413559N0724610.1. Town of Berlin. Altitude 106 ft. Drilled 1973. Depth to water 1 ft. Drilled by S. B. Church Co.	
Refusal	at 26	Till	30 - 32	Gravel	0 - 10
		Refusal	at 32	Clay and silt	10 - 25
		B 68 th. 413714N0724617.1. Town of Berlin. Altitude 62 ft. Drilled 1967. Depth to water 1 ft. Drilled by S. B. Church Co.		Gravel	25 - 37
		Sand, medium	0 - 15	Sand	37 - 50
		Silt and clay	15 - 27	Gravel	50 - 70
		Clay	27 - 30	Sand, fine	70 - 75
		Refusal	at 30	Sand, coarse	75 - 80
		B 74 th. 413513N0724622.1. John Lechowicz. Altitude 170 ft. Drilled 1972. Depth to water 8 ft. Drilled by U.S. Geol. Survey.		Sand, fine	80 - 90
		Loam, gravelly, dark brown	0 - 3	Sand, coarse	90 - 102
		Gravel, cobbly, brown, with some silt	3 - 6	Refusal	at 102
		Gravel, fine, sand, and silt	6 - 26	B 81 th. 413607N0724709.1. Town of Berlin. Altitude 130 ft. Drilled 1967. Depth to water 2 ft. Drilled by D. L. Maher Co.	
		Sand, fine to coarse, brown, with layers of fine to coarse dirty sand	26 - 40	Sand, very fine to very coarse; well- rounded fine to medium gravel, silt, and clay	0 - 38
		Gravel cobble	40 - 42	Refusal	at 38
		Refusal	at 42	B 82 th. 413558N0724719.1. Town of Berlin. Altitude 158 ft. Drilled 1967. Depth to water 5 ft. Drilled by D. L. Maher Co.	
				Sand, medium to very coarse, dark brown to red, silt, and clay	0 - 22.5
				Sand, very fine to very coarse, dark brown; rare fine gravel, silt, and clay	22.5 - 32.5
				Sand, very fine to very coarse, dark brown, silt, and clay	32.5 - 42.5
				Sand, very fine, light brown; trace of fine gravel, silt, and clay ..	42.5 - 48
				Refusal	at 48
				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, very fine to very coarse, reddish-brown to brown; trace of fine gravel, silt, and clay	0 - 33
				Sand, very fine to very coarse, reddish-brown to brown; very fine rounded gravel; trace of silt and clay	33 - 61
				Refusal	at 61

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			CL 17 th. 412438N0722808.1. Connecticut			CL 17 th. 411823N0723458.1. Connecticut		
CH 3 th. 412530N0723010.1. Bureau of Highways,			Water Co. Altitude 115 ft. Drilled 1960.			Water Co. Altitude 10 ft. Drilled 1965.		
Dept. of Transportation. Altitude 292 ft.			Depth to water 4 ft. Drilled by R. E.			Depth to water 0 ft. Drilled by Layne-		
Drilled 1963. Depth to water 2 ft.			Chapman Co.			New England.		
Loam	0 - 1	1	Clay and loam	0 - 3	3	Sand, very fine to medium, and	0 - 20	20
Sand and fine to coarse gravel; trace			Gravel, coarse, and boulders;			yellowish-brown fine gravel ...		
silt, cobbles, and boulders (till?)	1 - 6.5	5.5	hardpan	3 - 23	20	Sand, fine to medium, and greenish-	20 - 57	37
Gneiss, medium to coarse grained,			Gravel, medium to coarse	23 - 30	7	gray fine gravel		
gray	6.5- 16.5	10	Refusal	at 30		Sand, medium to coarse; little	57 - 68	11
						gravel		
CH 5 th. 412357N0722816.1. Bureau of Highways,			Town of Clinton			Sand (grain size increasing with	68 - 84	16
Dept. of Transportation. Altitude 130 ft.			CL 2 th. 411720N0723112.1. Bureau of Highways,			depth)		
Drilled 1965. Depth to water 0 ft.			Dept. of Transportation. Altitude 26 ft.			Sand with layers of fine and	84 - 106	22
Water	0 - 5	5	Drilled 1955. Depth to water 15 ft.			coarse gravel	106 - 113	7
Silt, organic, dark brown	5 - 7	2				Sand, fine to medium; some silt ..	at 113	
Sand, fine to coarse, gray to brown;			Topsoil	0 - 3	3	Refusal		
some silt and wood chips	7 - 8.5	1.5	Sand, medium to coarse, brown to					
Sand, fine to coarse, gray to brown;			gray; little fine gravel (moist) ..	3 - 7.1	4.1	CL 18 th. 411823N0723501.1. Connecticut		
little medium gravel; trace silt ..	8.5- 11	2.5	Gravel, fine to medium, gray; coarse			Water Co. Altitude 14 ft. Drilled		
Gneiss, sandy, gray	11 - 13.5	2.5	to medium sand (moist)	7.1- 13.1	6	1965. Depth to water 3 ft. Drilled		
			Sand, medium to coarse, brown to			by Layne-New England.		
CH 8 th. 412358N0722822.1. Bureau of Highways,			gray; trace fine to medium gravel			Topsoil	0 - 3	3
Dept. of Transportation. Altitude 132 ft.			(wet)	13.1- 18.1	5	Sand, very fine to medium, grayish-		
Drilled 1963. Depth to water 0 ft.			Sand, medium to coarse; little fine,			brown; trace of silt and clay ..	3 - 47	44
Topsoil, black	0 - 1	1	gray gravel (wet)	18.1- 23.1	5	Sand, very fine to medium; increase		
Silt, brown, and fine sand; trace			Sand, medium to coarse, brown;			in silt and clay; trace of gravel		
gravel and organic material	1 - 3.5	2.5	little fine gravel (wet)	23.1- 29.1	6	(sand size decreases with depth)	47 - 92	45
Sand, fine to coarse, gray-brown;			Sand, fine to medium	29.1- 34.1	5	Sand, coarse, and fine gravel ...	92 - 105	13
little medium to fine gravel;			Sand, medium to coarse; some decom-			Sand, very fine to medium	105 - 110	5
little silt (till?)	3.5- 9	5.5	posed rock	34.1- 38.1	4	Sand, coarse, and medium gravel ..	110 - 116	6
Gneiss, gray and white	9 - 14	5	Boulders and sand	38.1- 43.1	5	Sand, fine to medium	116 - 124	8
			Rocky, gneiss	43.1- 48.1	5	Sand, very coarse, to very coarse		
CH 9 th. 412354N0722824.1. Bureau of Highways,						gravel	124 - 134	10
Dept. of Transportation. Altitude 133 ft.			CL 4 th. 411721N0723112.1. Bureau of Highways,			Refusal	at 134	
Drilled 1963. Depth to water 0 ft.			Dept. of Transportation. Altitude 32 ft.					
Water	0 - 2	2	Drilled 1955. Depth to water 20 ft.			CL 20 th. 411745N0723412.1. Connecticut		
Silt, organic, black	2 - 4.5	2.5	Topsoil, brown	0 - 1	1	Water Co. Altitude 10 ft. Drilled 1965.		
Sand, fine to coarse, gray-brown;			Sand, fine to medium, brown; fine			Depth to water 4 ft. Drilled by Layne-		
some silt; trace of gravel	4.5- 10	5.5	to coarse gravel and trace of			New England.		
Silt, gray-brown; little fine sand,	10 - 27	17	coarse sand	1 - 7	6	Sand, fine to coarse, and fine to		
Sand, fine, gray; silt; trace of			Sand, fine to medium, brown; trace			coarse gravel; some clay and	0 - 15	15
fine gravel (till?)	27 - 34	7	of coarse sand; fine to coarse			silt	15 - 31	16
Refusal	at 34		gravel	7 - 17.2	10.2	Sand, fine, clay, and silt	31 - 42	11
CH 10 th. 412353N0722826.1. Bureau of Highways,			Sand, fine to medium, brown; trace			Sand, medium to coarse, gravel,	42 - 70	28
Dept. of Transportation. Altitude 131 ft.			of fine to medium gravel (wet) ..	17.2- 30	12.8	clay, and silt	at 70	
Drilled 1963. Depth to water 0 ft.			Sand, fine to coarse, brown; little			Sand, fine to coarse, and silt ...		
Huck, dark brown; decomposed roots;			fine to medium gravel (wet)	30 - 35	5	Bottom of hole		
organic material	0 - 4	4	Rock, decomposed	35 - 42	7			
Sand and fine to coarse gravel,			CL 6 th. 411750N0723131.1. Bureau of Highways,			CL 21 th. 411742N0723409.1. Connecticut		
yellow to brown; trace silt	4 - 9	5	Dept. of Transportation. Altitude 10 ft.			Water Co. Altitude 10 ft. Drilled 1965.		
Sand, fine to coarse, light brown;			Drilled 1955. Depth to water 0 ft.			Depth to water 2 ft. Drilled by Layne-		
trace to little silt; trace fine			Water	0 - 3.9	3.9	New England.		
gravel (stratified)	9 - 18	9	Silt and organic black mud	3.9- 8	4.1	Topsoil	0 - 2	2
Sand, fine, gray to brown; little			Sand, fine, brown; some organic			Clay and silt	2 - 6	4
to some silt; grading to fine to			Sand, medium to coarse, brown; trace			Clay and brownish-gray, fine to		
coarse, gray and yellow to brown			silt	8 - 9	1	coarse, angular to sub-		
sand; trace silt	18 - 31.8	13.8	gravel (moist)	9 - 33	24	angular sand	6 - 21	15
			Rock, decayed	33 - 34	1	Sand, fine to very coarse, and fine		
CH 13 th. 412357N0722822.1. Bureau of Highways,			Refusal	at 34		gravel	21 - 31	10
Dept. of Transportation. Altitude 130 ft.			CL 7 th. 411717N0723146.1. Bureau of Highways,			Clay and brown to gray, fine to		
Drilled 1965. Depth to water 0 ft.			Dept. of Transportation. Altitude 42 ft.			medium sand	31 - 64	33
Water	0 - 3	3	Drilled 1955. Depth to water 2 ft.			Sand, medium to coarse	64 - 74	10
Silt, organic, dark brown to gray;			Sand, fine to medium; little gravel			Sand, fine to medium	74 - 79	5
trace peaty wood chips and fine			Rock	4 - 9	5	Sand, very fine	79 - 81	2
sand	3 - 6	3				Refusal	at 81	
Sand, coarse, gray, to fine gravel;			CL 8 th. 411729N0722949.1. Bureau of Highways,			CL 30 th. 411758N0723427.1. Connecticut		
some medium gravel	6 - 8.9	2.9	Dept. of Transportation. Altitude 8 ft.			Water Co. Altitude 10 ft. Drilled 1965.		
Sand, fine, layered, gray and brown;			Drilled 1955. Depth to water 5 ft.			Depth to water 3 ft. Drilled by Layne-		
little silt; trace medium gravel			Topsoil	0 - 1.5	1.5	New England.		
and clay	8.9- 16	7.1	Sand, fine to medium, brown; trace			Sand, fine to very coarse, light		
Silt and fine sand, grayish-brown;			fine gravel (moist)	1.5- 6	4.5	to medium gray; some fine gravel;	0 - 13	13
trace clay	16 - 19	3	Sand, fine to medium, brown; trace			trace of clay and silt		
Sand, fine, layered, gray and brown;			gravel; rock fragments (moist) ..	6 - 10	4	Sand, fine to coarse, yellowish-		
little coarse sand and silt; trace			Rock, gneiss	10 - 15	5	brown; trace clay, silt, and		
clay	19 - 23.5	4.5				gravel	13 - 31	18
Sand, fine, brown; some coarse sand;			CL 11 th. 411725N0722946.1. Bureau of Highways,			Sand, fine to coarse, yellowish-		
little fine to medium gravel;			Dept. of Transportation. Altitude 4 ft.			brown; some gravel decreasing with		
trace silt	23.5- 30	6.5	Drilled 1955. Depth to water 0 ft.			depth	31 - 67	36
Sand, grayish-brown; some fine			Water	0 - 4.2	4.2	Refusal	at 67	
gravel; little medium gravel;			Sand, fine, gray, and organic silt	4.2- 7	2.8			
little silt (till?)	30 - 37.6	7.6	Sand, fine to coarse, brown; some			CL 31 th. 411757N0723426.1. Connecticut		
Gneiss, gray	37.6- 42.6	5	fine to coarse gravel	7 - 30	23	Water Co. Altitude 10 ft. Drilled 1965.		
CH 14 th. 412432N0722800.1. Connecticut			Rock, gneiss	30 - 35	5	Depth to water 3 ft. Drilled by Layne-		
Water Co. Altitude 105 ft. Drilled 1960.						New England.		
Depth to water 1 ft. Drilled by R. E.			CL 12 th. 411724N0723353.1. Bureau of Highways,			Sand, fine to medium; trace of silt		
Chapman Co.			Dept. of Transportation. Altitude -2 ft.			and brown clay	0 - 30	30
Gravel and boulders	0 - 9	9	Drilled 1955. Depth to water 2 ft.			Sand, fine to medium, and silt;		
Refusal	at 9		Cobbles; gravel	0 - 3.1	3.1	trace of fine to medium gravel ..	30 - 40	10
CH 15 th. 412432N0722802.1. Connecticut			Sand, medium to coarse, light brown;			Sand, fine to coarse, gravel, and		
Water Co. Altitude 110 ft. Drilled 1960.			little gravel	3.1- 20.2	17.1	silt (till?)	40 - 53	13
Depth to water 4 ft. Drilled by R. E.			Rock, gneiss	20.2- 27.8	7.6	Refusal	at 53	
Chapman Co.								
Gravel and boulders	0 - 9	9	CL 16 th. 411633N0723246.1. Bureau of Highways,					
Refusal	at 9		Dept. of Transportation. Altitude 0 ft.					
CH 16 th. 412432N0722803.1. Connecticut			Drilled 1959. Depth to water 0 ft.					
Water Co. Altitude 115 ft. Drilled 1960.			Water	0 - 9.5	9.5			
Depth to water 3 ft. Drilled by R. E.			Muck, gray; sand and gravel	9.5- 11.5	2			
Chapman Co.			Muck, gray	11.5- 14	2.5			
Gravel, coarse, and boulders	0 - 14	14	Sand, fine to medium, gray; gray					
Refusal	at 14		muck mixture	14 - 19.4	5.4			
			Sand, fine to medium, tan; trace silt					
			and coarse sand	19.4- 28.5	9.1			
			Rocky, hard granite	28.5- 35.5	7			

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

Town of Clinton--Cont.			Town of Colchester		
Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)	
CL 38 th. 411740N0723407.1. Connecticut Water Co. Altitude 11 ft. Depth to water 4 ft. Driller unknown.			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	Topsoil	0 - 3	3
Sand, fine to coarse, yellow; trace of silt	15 - 21	6	Sand, fine to medium; little clay; trace of silt and mica	3 - 10	7
Sand, fine to coarse, yellow; trace of fine to medium gravel and silt	21 - 31	10	Sand and clay	10 - 14	4
Sand, very fine to coarse, yellow, and traces of fine gravel and silt	31 - 37	6	Sand, fine to medium; little silt; trace of mica	14 - 17	3
Sand, very fine to coarse, yellow, and fine to medium gravel; trace of silt	37 - 47	10	(T111?)	17 - 21	4
Sand, very fine to fine, tan to light gray; trace of gray silt and clay	47 - 58	11	Rock, decayed (bedrock?)	21 - 22	1
Sand, very fine to coarse, light gray; trace of silt	58 - 68	10	Refusal	at 22	
Sand, very fine to coarse, tan to light gray; trace of fine to medium gravel and silt	68 - 74	6	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.		
Refusal	at 74		Fill, meadow mat, and peat	0 - 4	4
CL 39 th. 411800N0723429.1. Connecticut Water Co. Altitude 8 ft. Drilled 1967. Depth to water 1 ft. Drilled by Layne-New England.			Sand, fine to coarse, loose	4 - 15.5	11.5
Soil and humus	0 - 4	4	Sand, fine to medium	15.5 - 25.5	10
Sand, fine to coarse, with pebbles and yellow to medium gray clay ..	4 - 15	11	Sand, fine to coarse; some gravel ..	25.5 - 31	55
Sand, fine to medium, trace of silt	15 - 20	5	Sand, fine	31 - 35	4
Sand, medium to coarse	20 - 26	6	Sand, fine to coarse; some gravel ..	35 - 40	5
Sand, coarse, with trace of silt ..	26 - 36	10	(T111?)	40 - 44	4
Sand, fine to coarse, with trace of gravel	36 - 50	14	Refusal	at 44	
Sand, fine to very coarse	50 - 59	9	CL 63 th. 411602N0723039.1. Bureau of Highways, Dept. of Transportation. Altitude 6 ft. Drilled 1945.		
Sand, fine, with trace of silt and clay	59 - 60	1	Fill, new and old	0 - 4	4
Refusal	at 60		Fill (gravel and large boulders) ..	4 - 9	5
CL 40 th. 411800N0723427.1. Connecticut Water Co. Altitude 12 ft. Drilled 1967. Depth to water 5 ft. Drilled by Layne-New England.			Clay, firm, and grass roots	9 - 12	3
Soil and humus	0 - 4	4	Clay, gray, slightly firm, organic, with H ₂ S odor (bottom of boring) ..	12 - 27	15
Sand, very fine to coarse, compact, with gravel and boulders (T111?) ..	4 - 24	20	Sand	27 - 43	16
Refusal	at 24		Bottom of piling	at 43	
CL 44 th. 411801N0723430.1. Connecticut Water Co. Altitude 8 ft. Drilled 1967. Depth to water 2 ft. Drilled by Layne-New England.			CL 2 th. 413427N0722046.1. Bureau of Highways, Dept. of Transportation. Altitude 354 ft. Drilled 1962. Depth to water 17 ft.		
Soil, swamp	0 - 4	4	Sand, fine to coarse, brown; trace fine gravel and silt	0 - 5	5
Sand, fine to medium; trace of very fine sand and gravel	4 - 34	30	Sand, fine to coarse, gray; occasional brown layers; trace fine gravel and silt	5 - 10.1	5.1
Sand, medium to very coarse, with trace of gravel, and a large number of boulders	34 - 63	29	Sand, fine to coarse, gray to brown; trace fine gravel and silt	10.1 - 15.1	5
Refusal	at 63		Rock, decomposed	15.1 - 17.2	2.1
CL 46 th. 411743N0723145.1. Connecticut Water Co. Altitude 30 ft. Drilled 1964. Depth to water 3 ft. Drilled by R. E. Chapman Co.			Schist, mica, blue to gray, decomposed, soft	17.2 - 22.2	5
Sand, coarse, and gravel	0 - 30	30	Schist, mica, blue to gray; some soft quartz	22.2 - 27.2	5
Sand, coarse, and fine gravel	30 - 50	20	CL 15 th. 413424N0722045.1. Bureau of Highways, Dept. of Transportation. Altitude 330 ft. Drilled 1962.		
Sand, medium to coarse, and fine gravel	50 - 70	20	Sand, fine to coarse, brown; some silt; little fine gravel	0 - 2.5	2.5
Refusal	at 70		Sand, fine to coarse, brown; some silt; trace of decomposed rock; trace of fine gravel	2.5 - 8	5.5
CL 47 th. 411748N0723148.1. Connecticut Water Co. Altitude 40 ft. Drilled 1964. Depth to water 12 ft. Drilled by R. E. Chapman Co.			Bedrock, gray mica schist, and quartz	8 - 13.1	5.1
Sand, medium to coarse, and fine gravel	0 - 14	14	CL 19 th. 413454N0722134.1. Bureau of Highways, Dept. of Transportation. Altitude 387 ft. Drilled 1962.		
Refusal	at 14		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.			Sand, fine to coarse, brown; trace fine gravel	1 - 5.5	4.5
Sand, coarse, and gravel	0 - 5	5	Sand, fine to medium, gray; little silt; trace coarse sand	5.5 - 15	9.5
Sand, medium to coarse	5 - 10	5	Sand, fine to coarse, gray; trace medium to fine gravel and silt ..	15 - 16.5	1.5
Sand, fine to medium	10 - 15	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 to coarse, gray; trace silt; trace mica and decomposed rock (T111?)	28.3 - 34.6	6.3
Sand, medium to coarse; some gravel ..	30 - 37	7	Schist, mica, gray, soft	34.6 - 40	5.4
Refusal	at 37		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.			Topsoil; silty, brown sand	0 - 1	1
Sand, coarse, and gravel	0 - 25	25	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 coarse, yellow; trace of silt	5.3 - 10	4.7
Gravel, medium to coarse	50 - 60	10	Sand, fine to coarse, gray; trace of silt	10 - 16	6
Sand, coarse, and gravel	60 - 63	3	Sand, fine to coarse, brown to gray, and cemented, fine gravel ..	16 - 20.8	4.8
Refusal	at 63		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.			CL 59 th. 411716N0723312.1. Bureau of Highways, Dept. of Transportation. Altitude 7 ft. Drilled 1955. Depth to water 7 ft. Drilled by Warren George Drilling Co.		
Gravel, medium to coarse	0 - 5	5	Meadow mat	0 - 4	4
Sand, medium to coarse, and gravel ..	5 - 65	60	Sand, fine; little silt; trace of fine gravel	4 - 7	3
Sand, medium to coarse	65 - 67	2	Sand, fine to medium; little silt; trace of mica	7 - 12	5
Refusal	at 67		Silt, sandy	12 - 20	8
CL 51 th. 411742N0723147.1. Connecticut Water Co. Altitude 30 ft. Drilled 1964. Depth to water 1 ft. Drilled by R. E. Chapman Co.			Sand, fine; little silt	20 - 35	15
Huck, black	0 - 3	3	Sand, fine to medium; little silt; trace of weathered rock (bedrock?)	35 - 43	8
Sand, medium to coarse, and fine gravel	3 - 41	38	Sand, fine; little silt; trace of mica and crushed rock (bedrock?) ..	43 - 47	4
Refusal	at 41		Refusal	at 47	
CL 52 th. 411743N0723141.1. 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.		
Sand, medium to coarse	0 - 5	5	Meadow mat and topsoil	0 - 3	3
Sand, medium to coarse, and gravel ..	5 - 30	25	Sand, fine to medium; little silt and a trace of mica	3 - 5	2
Sand, fine to medium, and some clay ..	30 - 34	4	Sand, fine to medium; trace of silt, mica and crushed rock	5 - 12	7
CL 53 th. 411748N0723150.1. Connecticut Water Co. Altitude 35 ft. Drilled 1973. Depth to water 7 ft. Drilled by R. E. Chapman Co.			(T111?)	12 - 17	5
Gravel, medium to coarse	0 - 10	10	(Bedrock?)	17 - 20	3
Sand, very fine, silty	10 - 27	17			
Refusal	at 27				
CL 54 th. 411742N0723138.1. Connecticut Water Co. Altitude 30 ft. Drilled 1973. Depth to water 14 ft. Drilled by R. E. Chapman Co.					
Sand, coarse, and gravel	0 - 25	25			
Sand, very fine, and clay	25 - 42	17			
Sand, coarse, and fine gravel	42 - 47	5			
Refusal	at 47				
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.					
Ice	0 - 1	1			
Peat and inorganic silt	1 - 5.5	4.5			
Silt, inorganic; contains seams of fine sand	5.5 - 12	6.5			
Sand, fine; trace of silt; contains thin sheets of red clay	12 - 19	7			
Sand, fine to medium; trace of fine gravel	19 - 23	4			
Sand, fine to medium, and medium gravel	23 - 33	10			
CL 56 th. 411721N0723048.1. Bureau of Highways, Dept. of Transportation. Altitude 128 ft. Drilled 1955. Depth to water 10 ft. Drilled by Warren George Drilling Co.					
Topsoil	0 - 1.5	1.5			
Sand, fine to medium; trace of silt; little coarse sand; little medium gravel	1.5 - 12	10.5			
Sand, fine; some medium sand to coarse sand; trace of fine gravel and trace of clay (T111?)	12 - 30	18			
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.					
Meadow mat and organic silt	0 - 4	4			
Silt and organic matter	4 - 6.5	2.5			
Sand, medium; some inorganic silt; trace of fine gravel	6.5 - 9	2.5			
Sand, fine; inorganic silt	9 - 19	10			
Sand, fine, silty	19 - 43	24			
Sand, medium, some inorganic silt and fine gravel	43 - 49.5	6.5			
Refusal	at 49.5				

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 Colchester--Cont.			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.		
CO 22 th. 413225N0721848.1. Bureau of Highways, Dept. of Transportation. Altitude 558 ft. Drilled 1968. Depth to water 3 ft.			Sand, fine to coarse, brown; little silt; trace of fine gravel 0 - 2	2		Loam 0 - 1	1	
Silt, dark brown; little sand; trace of fine gravel 0 - 3	3		Peat, black (roots and decayed material) 2 - 5	3		Loam and sand 1 - 2	1	
Sand and gravel, light brown, micaceous 3 - 8	5		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 (fill) 2 - 6	4	
Schist 8 - 18.2	10.2		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 (fill) 6 - 13	7	
Pegmatite 18.2 - 22.2	4		Rock, decomposed, gray; little fine to coarse gravel and sand 13 - 16	3		Rock, granite gneiss 13 - 21	8	
Schist 22.2 - 24.7	2.5		CO 52 th. 413401N0721951.1. Bureau of Highways, Dept. of Transportation. Altitude 363 ft. Drilled 1962.			CO 75 th. 413452N0721947.1. Town of Colchester Water Dept. Altitude 420 ft. Drilled 1957. Depth to water 5 ft. Drilled by Layne-New York.		
Pegmatite 24.7 - 28.0	3.3		Road fill, bituminous material and traprock 0 - 1	1		Sand, fine, and silt; some clay .. 0 - 48	43	
CO 25 th. 413218N0721847.1. Bureau of Highways, Dept. of Transportation. Altitude 555 ft. Drilled 1973. Depth to water 2 ft.			Sand, fine to coarse, brown; some fine to coarse gravel; trace of silt; trace of decomposed rock ... 1 - 10	9		Sand, fine to medium; some coarse sand 48 - 64	16	
Silt and clay, dark brown, organic . 0 - 2.8	2.8		Rock, decomposed, blue-gray 10 - 11.5	1.5		Sand, fine, and silt; some medium sand 64 - 69	5	
Sand, silty, yellow-brown; trace of gravel 2.8 - 9.5	6.7		Schist, mica, decomposed, blue-gray. 11.5 - 15	3.5		Sand, fine to coarse, and silt .. 69 - 75	6	
Schist 9.5 - 24.5	15		CO 53 th. 413412N0722021.1. Bureau of Highways, Dept. of Transportation. Altitude 382 ft. Drilled 1962. Depth to water 20 ft.			CO 76 th. 413452N0721952.1. Town of Colchester Water Dept. Altitude 425 ft. Drilled 1957. Drilled by Layne-New York.		
Schist; some pegmatite 24.5 - 29.5	5		Topsoil, sand, silty, brown 0 - 1	1		Sand, medium to coarse; broken stone and granite 0 - 29	29	
CO 26 th. 413334N0721922.1. Bureau of Highways, Dept. of Transportation. Altitude 409 ft. Drilled 1968. Depth to water 0 ft.			Sand, fine to coarse, silty, brown; little gravel 1 - 2.5	1.5		Refusal on ledge at 29		
Silt, black, organic 0 - 3	3		Sand, fine to coarse, brown; some gravel; trace silt 2.5 - 11	8.5		CO 77 th. 413452N0721950.1. Town of Colchester Water Dept. Altitude 420 ft. Drilled 1967. Depth to water 5 ft. Drilled by Layne-New York.		
Sand and gravel, micaceous, gray ... 3 - 11.2	8.2		Sand, coarse to fine gravel, brown; trace silt; trace rock fragments (fill) .. 11 - 15.5	4.5		Sand, fine to coarse; silt; broken stone 0 - 32	32	
Schist, decomposed 11.2 - 16.2	5		Schist, granite, medium hard, gray. 15.5 - 20.5	5		Sand, coarse; fine gravel; silt; granite (fill) 32 - 46	14	
Schist; trace of pegmatite 16.2 - 21.2	5		CO 57 th. 413458N0722247.1. Bureau of Highways, Dept. of Transportation. Altitude 254 ft. Drilled 1956. Depth to water 0 ft.			(Bedrock?) at 46		
CO 30 th. 413329N0721923.1. Bureau of Highways, Dept. of Transportation. Altitude 423 ft. Drilled 1968. Depth to water 7 ft.			Topsoil 0 - 2	2		CO 79 th. 413454N0721945.1. Town of Colchester Water Dept. Altitude 420 ft. Drilled 1968. Depth to water 6 ft. Drilled by Layne-New York.		
Silt, brown; little sand 0 - 4	4		Sand, fine to coarse, gray, and medium gravel, compact 2 - 10	8		Sand, fine, tan-gray, with traces of medium sand, silt, and clay .. 0 - 35	35	
Sand and gravel, micaceous, gray ... 4 - 10	6		Sand, fine to medium, loose, and gray silt 10 - 15	5		Sand, medium to coarse, tan-brown, and compact, sharp stone (fill) 35 - 45	10	
Schist, soft 10 - 15	5		Sand, fine to medium; little gray silt 15 - 20	5		CO 84 th. 413350N0722036.1. Town of Colchester Water Dept. Altitude 310 ft. Drilled 1950. Depth to water 7 ft. Drilled by Layne New England.		
Schist, decomposed 15 - 20	5		Sand, fine to coarse, gray, compact, with decomposed rock (fill) 20 - 23	3		Sand, dark, and gravel 0 - 8	8	
CO 36 th. 413343N0721913.1. Bureau of Highways, Dept. of Transportation. Altitude 424 ft. Drilled 1962.			Rock, partly decomposed 23 - 28	5		Sand, coarse, brown, and gravel .. 8 - 16	8	
Sand, fine to coarse, brown; fine to medium gravel; little organic matter; trace of silt 0 - 4.3	4.3		CO 59 th. 413501N0722244.1. Bureau of Highways, Dept. of Transportation. Altitude 254 ft. Drilled 1956. Depth to water 10 ft.			Sand, medium, brown, and gravel .. 16 - 23	7	
Cobbles, fine to coarse sand, and decomposed, blue-gray rock 4.3 - 10	5.7		Topsoil 0 - 1	1		Sand, medium, red, and gravel 23 - 32	9	
Schist, mica, soft, partially decomposed, blue-gray 10 - 15	15		Sand, coarse, and gravel 1 - 4	3		Sand, coarse, gray 32 - 37	5	
CO 37 th. 413342N0721912.1. Bureau of Highways, Dept. of Transportation. Altitude 424 ft. Drilled 1962. Depth to water 5 ft.			Sand, fine, brown; some silt 4 - 18	14		Sand, fine, gray, hard packed 37 - 38	1	
Silt, brown, and fine to coarse sand; little fine gravel 0 - 4.2	4.2		Silt, clay, brown; slightly plastic silt, fine, brown; some fine sand .. 23 - 32	5		Sand, coarse, gray 38 - 40	2	
Sand, fine to coarse, brown-red, and fine to medium gravel; trace of silt 4.2 - 21.5	17.3		Sand, fine to medium, medium com- pacted; little silt (fill) 32 - 41	9		Sand, medium, dark, and gravel 40 - 42	2	
CO 40 th. 413345N0721916.1. Bureau of Highways, Dept. of Transportation. Altitude 423 ft. Drilled 1962.			Sand, medium to coarse, compacted; trace silt and decomposed rock (fill) 41 - 46	5		Sand, coarse, dark, and gravel 42 - 55	13	
Fill, sand, and gravel 0 - 2	2		CO 62 th. 413502N0722243.1. 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, brown; some fine to medium gravel; little cobbles and boulders; little silt Mica schist, decomposed, very soft, gray-white 2 - 10	8		Loam 0 - 2	2		Sand, medium, brown 59 - 62	3	
CO 45 th. 413344N0721930.1. Bureau of Highways, Dept. of Transportation. Altitude 373 ft. Drilled 1962. Depth to water 2 ft.			Sand, medium; silt and gravel; loose to medium compact 2 - 10	8		Sand, medium, gray 62 - 66	4	
Muck, very soft, black 0 - 8.2	8.2		Sand, fine, brown; trace of silt; medium compact 10 - 34	24		Refusal at 66		
Sand, gray, and fine to coarse gravel; trace of silt 8.2 - 16.7	8.5		Rock, completely decomposed 34 - 44	10		CO 85 th. 413515N0722310.1. Bureau of Highways, Dept. of Transportation. Altitude 240 ft. Drilled 1972. Depth to water 6 ft. Drilled by U.S. Geol. Survey.		
Sand, fine to coarse, gray; trace silt; some coarse to fine gravel . 16.7 - 24	7.3		Rock, granite gneiss 44 - 48	4		Soil, gravelly 0 - 1	1	
Rock, decomposed 24 - 26.5	2.5		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	
CO 46 th. 413344N0721929.1. Bureau of Highways, Dept. of Transportation. Altitude 373 ft. Drilled 1962. Depth to water 2 ft.			Muck 0 - 3	3		Sand, medium to fine, gray, silty .. 10 - 23	13	
Muck, very soft, black 0 - 3.5	3.5		Sand, medium; little gravel 3 - 8	5		Clay, blue-gray, varved, with layers of very fine sand and silt 23 - 42	19	
Sand, gray, and fine to coarse gravel; trace of silt 3.5 - 8	4.5		Sand, fine, and silt 8 - 14	6		Sand, medium to very fine, red-brown, with layers of blue-gray clay ... 42 - 65	23	
Sand, gray, and fine to coarse gravel; trace of silt; pieces of boulders Sand, fine to coarse, gray; trace of silt; some fine to coarse gravel 8 - 13.5	5.5		Silt and clay; little fine sand 14 - 20	6		Gravel and sand, very rough drill- ing 65 - 70	5	
Rock, decomposed, gray-white 18 - 23.5	5.5		Sand, fine, and silt 20 - 37	17		Sand, very fine to medium; some very coarse sand and fine gravel 70 - 80	10	
CO 48 th. 413359N0721956.1. Bureau of Highways, Dept. of Transportation. Altitude 369 ft. Drilled 1962. Depth to water 5 ft.			Sand, fine; some silt 37 - 57	20		Till, blue-gray, very rough drilling 80 - 84	4	
Silt, sandy, brown; topsoil 0 - 1.5	1.5		Sand, medium to coarse; gravel and cobbles (fill) 57 - 62	5		Refusal (probably bedrock) at 84		
Sand, fine to coarse, brown; some silt; trace fine gravel 1.5 - 9	7.5		Gneiss, granitic 62 - 67	5		CO 86 th. 413445N0722143.1. Town of Colchester. Altitude 270 ft. Drilled 1972. Depth to water 3 ft. Drilled by U.S. Geol. Survey.		
Sand, fine to coarse, brown, and fine gravel; trace silt; trace decomposed rock 9 - 15	6		CO 65 th. 413516N0722313.1. Bureau of Highways, Dept. of Transportation. Altitude 237 ft. Drilled 1956. Depth to water 2 ft.			Gravel, silty; some very fine to very coarse sand 0 - 16	16	
Schist, mica, blue to gray, very weathered 15 - 20	5		Peat 0 - 4	4		Clay, varved, blue-gray; trace very fine to medium sand; trace silt; occasional pebble 16 - 48	32	
Schist, mica, gray, weathered 20 - 25	5		Sand, fine to medium; some gravel ... 4 - 10	6		Sand, very fine to very coarse, and silt; trace varved clay 48 - 68	20	
			Sand, fine, and silt; little clay ... 10 - 14	4		Rock, weathered 68 - 68.5	.5	
			Sand, fine, and silt 14 - 39	25		Rock, schistose at 68.5		
			Sand, fine to coarse, and gravel (fill) 39 - 42	3				
			Gneiss, granite 42 - 48	6				

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 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.		
CO 87 th. 413559N0722021.1. Stanley Zagray. Altitude 420 ft. Drilled 1972. Depth to water 20 ft. Drilled by U.S. Geol. Survey.			Sand, medium, brown, and gravel 0 - 16 Sand, fine, yellow 16 - 19 Sand, fine, red 19 - 22 Sand, medium, yellow 22 - 28 Sand, medium, yellow, and gravel 28 - 31 Sand, fine, brown 31 - 34 Sand, medium, brown 34 - 38 Sand, fine, brown 38 - 39 Sand, fine, dark gray 39 - 49 Sand, fine, gray 49 - 53 Sand, fine, dark gray 53 - 63 Ledge at 63			Sand, fine to coarse, rusty brown; some fine to medium gravel; trace of silt 20 - 24.5 Sand, fine to coarse, brown; little fine to medium gravel; trace of coarse gravel and silt 24.5- 27 Sand, fine to coarse, rusty brown, and fine to coarse gravel; trace of silt and cobbles 27 - 30		
Soil zone 0 - 1 Silt and very fine sand 1 - 5 Boulders 5 - 6 Sand, very fine to fine; some medium to coarse sand; little silt; trace very coarse sand (in well sorted layers) 6 - 49 Till (almost no clay at 49 ft but grades down to a tight, light gray, clayey till) 49 - 66 Refusal at 66			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.		
CO 88 th. 413537N0722017.1. Town of Colchester. Altitude 433 ft. Drilled 1972. Depth to water 30 ft. Drilled by U.S. Geol. Survey.			Topsoil 0 - 1 Sand, medium, brown, and gravel 1 - 19 Sand, medium, dark gray 19 - 27 Sand, medium, brown 27 - 29 Sand, dark gray, and gravel (hard- packed) (till?) 29 - 33 Sand, gray, and gravel (hardpacked) (till?) 33 - 39 Ledge at 39			Road pavement 0 - 0.3 Sand, fine to coarse, brown; some fine gravel; trace of silt; few cobbles 0.3- 2 Sand, fine to coarse, brown; little fine to medium gravel; trace of coarse gravel; little silt 2 - 6 Sand, coarse, brown; little fine sand; trace of fine gravel and silt 6 - 14 Sand, fine to coarse, light brown; trace of silt 14 - 16.5 Sand, fine, tan; little silt 16.5- 18 Sand, fine to coarse, brown; little gravel and silt; rock fragments (sandy till) 18 - 25		
Loam 0 - 1 Sand, very fine to fine; trace silt; scattered thin gravel layers 1 - 9 Gravel, pebble, with very fine to very coarse orange sand matrix ... 9 - 13 Gravel, pebble, with very fine to very coarse brown sand and silt matrix; interbedded with clean gravel and very fine to medium sand Sand, very fine to fine; little medium sand, in well sorted ill- 21' layers of white and red-brown Sand, very fine to fine, with layers of fine to very fine gravel 57 - 70 Gravel, very fine to fine, and very fine to very coarse sand 70 - 73 Refusal at 73			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.		
CO 89 th. 413529N0722020.1. H. Stallman. Altitude 428 ft. Drilled 1972. Depth to water 20 ft. Drilled by U.S. Geol. Survey.			Topsoil 0 - 0.5 Sand, medium, brown, and gravel 0.5- 17 Sand, fine, dark 17 - 27 Sand, fine, dark gray 27 - 29 Sand, fine, gray, and clay 29 - 31 Sand, fine, gray 31 - 36 Bedrock at 36			Silt, dark brown; little sand; trace of gravel; few cobbles 0 - 1.5 Sand, fine to coarse, rusty brown; little gravel; trace of silt and cobbles 1.5- 3.5 Sand, fine, rusty brown; some fine to medium gravel; little silt; trace of coarse sand 3.5- 10.5 Boulder 10.5- 12 Sand, fine to coarse, rusty brown; little gravel; trace of silt 12 - 15 Sand, fine to coarse, rusty brown; trace of fine gravel and silt ... 15 - 17.5 Sand, fine to coarse, tan-gray; some silt and rock fragments; little gravel (sandy till) 17.5- 21		
CO 89 th. 413529N0722020.1. H. Stallman. Altitude 428 ft. Drilled 1972. Depth to water 20 ft. Drilled by U.S. Geol. Survey.			CO 96 th. 413350N0722038.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne-New York.			CO 102 th. 413509N0722400.1. Bureau of Highways, Dept. of Transportation. Altitude 255 ft. Depth to water 5 ft.		
Sand, very fine, and silt 0 - 5 Sand, very fine to fine; little silt Sand, very fine, and silt, with occasional thin layer of gravel ... 11 - 16 Sand, very fine to fine, clean 16 - 19 Sand, very fine to fine; little silt; trace medium sand 19 - 33 Till 33 - 38 Refusal at 38			CO 97 th. 413454N0721947.1. Town of Colchester. Altitude 425 ft. Drilled 1958. Depth to water 8 ft. Drilled by Layne-New York.			Topsoil 0 - 1 Sand, brown, and silt; trace of gravel 1 - 2 Sand, fine to coarse, brown, and fine to coarse gravel; trace of silt and cobbles 2 - 6.5 Sand, fine to coarse, rust to light brown; little gravel; trace silt Sand, fine, tan to rusty brown; little silt 7.5- 14 Sand, fine to coarse, brown; some fine to coarse gravel and cobbles; trace of silt 14 - 18 Rock slab 18 - 19 Sand, brown, gravel, and silt 19 - 20 Rock, medium, hard, gray; seamy 20 - 26		
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 98 th. 413437N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 253 ft. Depth to water 25 ft.			CO 103 th. 413500N0722519.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 10 ft.		
Sand, very fine to fine, and silt ... 0 - 4 Gravel, very fine to fine 4 - 5 Sand, very fine to fine; some silt; little medium to very coarse sand and gravel 5 - 10 Silt, brown, and very fine sand; little fine sand; trace clay 10 - 34 Clay, some silt, and very fine to fine sand 34 - 52 Till, sandy, gray 52 - 55 Refusal at 55			Sand, medium, brown, and gravel 0 - 3 Sand, muddy, dark brown, and gravel .. 3 - 22 Sand, fine, muddy, dark brown 22 - 30 Sand, medium, brown, and gravel 30 - 35 Sand, medium, light brown, and gravel .. 35 - 42 Sand, coarse, brown 42 - 50 Sand, medium, dark brown 50 - 57 Bottom of hole at 57			Sand, fine to coarse, tan-gray, and fine to medium gravel; trace of silt, coarse gravel, and cobbles Sand, fine to coarse, tan, and fine to medium gravel; trace of silt ... 2.5- 6 Sand, fine to coarse, tan; little fine to medium gravel; trace of coarse gravel and silt 6 - 10 Sand, fine to coarse, gray; trace of fine to medium gravel; little silt 10 - 12 End of boring at 12		
CO 91 th. 413300N0721956.1. Town of Colchester. Altitude 325 ft. Drilled 1972. Depth to water 6 ft. Drilled by U.S. Geol. Survey.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
Fill, earth 0 - 10 Gravel and cobbles 10 - 11 Sand, fine-medium 11 - 13 Rocky, weathered 13 - 22 Mica schist, garnetiferous at 22			Sand, coarse, light brown; little fine sand; trace fine gravel and silt; few roots 0 - 4 Gravel, fine to medium, rust to light brown, and fine to coarse sand; trace of silt 4 - 6 Sand, fine, rust to light brown; some coarse sand; trace of fine gravel and silt 6 - 9 Sand, fine to coarse, rust to light brown, and fine to medium gravel; trace of coarse gravel, cobbles, and silt 9 - 15 Sand, fine, brown; trace of silt ... 15 - 17.5 Sand, fine, light brown; trace of coarse sand, fine gravel, and silt 17.5- 20			Sand, fine to coarse, tan; some fine to medium gravel; trace of silt 0 - 4 Sand and fine to medium, tan gravel; trace of coarse gravel and silt ... 4 - 9 Sand, fine, red-brown, and silt ... 9 - 17 End of boring at 17		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
Sand, medium, brown, and gravel 0 - 12 Sand, coarse, brown, and gravel 12 - 15 Sand, fine, beige 15 - 18 Sand, medium, beige 18 - 20 Sand, medium, gray 20 - 28 Sand, coarse, gray, and gravel 28 - 32 Sand, fine, dark gray 32 - 42 Sand, fine, gray 42 - 53 Sand, fine, gray, and gravel (hardpacked) (till?) 53 - 59			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.			CO 99 th. 413440N0722408.1. Bureau of Highways, Dept. of Transportation. Altitude 248 ft.			CO 104 th. 413500N0722521.1. Bureau of Highways, Dept. of Transportation. Altitude 150 ft. Drilled 1972. Depth to water 9 ft.		
CO 92 th. 413359N0722041.1. Town of Colchester. Altitude 320 ft. Drilled 1950. Depth to water 2 ft. Drilled by Layne- New York.								

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. 413421N0722036.1. 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, tan; little fine to medium gravel; trace of coarse gravel and silt.....	1 - 7	6	Sand, fine to coarse, brown; trace of silt and gravel.....	2 - 15	13
Sand, fine to coarse, black to tan; little silt; trace of fine gravel Sand, fine to coarse, gray; little silt; trace of fine to medium gravel.....	7 - 12	5	Sand, fine to medium, brown; little gravel; trace of silt.....	15 - 25	10
Refusal.....	12 - 28	16	Sand, fine to medium, brown; trace of silt.....	25 - 36.5	11.5
	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 1962. Depth to water 16 ft. Drilled by Engineering Services Inc.		CO 124 th. 413755N0724024.1. Algonquin Gas Co. Altitude 125 ft. Drilled 1962. Depth to water 6 ft. Drilled by American Drilling Co.	
Sand, fine to coarse, tan, and medium to 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
Refusal.....	at 6		Gravel, fine to coarse, brown, and fine to coarse sand; trace of silt.....	3 - 7	4
CO 107 th. 413504N0722525.1. Bureau of Highways, Dept. of Transportation. Altitude 156 ft. Drilled 1972. Depth to water 7 ft.		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 1 th. 413755N0724024.1. Algonquin Gas Co. Altitude 125 ft. Drilled 1962. Depth to water 6 ft. Drilled by American Drilling Co.	
Sand and fine to medium, tan gravel; trace of coarse gravel and silt.....	0 - 2	2	Sand, fine to medium, brown; little silt; trace of fine gravel.....	0 - 2	2
Sand, fine to coarse, tan; some medium to fine gravel; trace of silt.....	2 - 5	3	Sand, fine, brown, and silt.....	2 - 3	1
Sand, fine to coarse, tan; little fine to medium gravel; trace of silt.....	5 - 9	4	Silt, gray-brown, and fine sand.....	3 - 5.5	2.5
Sand, fine to coarse, tan; some fine to medium gravel; trace of silt.....	9 - 10.5	1.5	Sand, fine to medium, brown; trace of silt.....	5.5 - 9	4.5
Refusal.....	at 10.5		Sand, fine to medium, brown; little fine gravel; trace of silt and rock fragments.....	9 - 10.5	1.5
CO 108 th. 413456N0722134.1. Bureau of Highways, Dept. of Transportation. Altitude 292 ft. Drilled 1962. Depth to water 13 ft. Drilled by Engineering Services Inc.		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. 413448N0723900.1. Middletown Water Co. Altitude 5 ft. Drilled 1948. Depth to water 4 ft. Drilled by R. E. Chapman Co.	
Silt, sandy, brown; topsoil.....	0 - 1	1	Sand, fine to coarse, brown, and gravel.....	0 - 1	1
Sand, fine to coarse, yellow-brown; little silt; trace of fine gravel Sand, fine to coarse, yellow-brown; some fine to medium gravel and silt (fill?).....	1 - 5	4	Boulder (decomposed schist).....	1 - 4	3
Sand, medium to coarse, brown, and fine gravel; little silt; cemented (fill?).....	5 - 15	10	Sand, fine to medium, brown; trace of silt.....	4 - 13	9
Refusal.....	15 - 25	10	Sand, fine to medium, brown-gray; trace of silt and fine gravel (fill?).....	13 - 30.5	17.5
	at 25		Bottom of hole.....	at 30.5	
CO 109 th. 413450N0722124.1. Bureau of Highways, Dept. of Transportation. Altitude 314 ft. Drilled 1962. Depth to water 7 ft. Drilled by Engineering Services Inc.		CO 117 th. 413349N0721849.1. Bureau of Highways, Dept. of Transportation. Altitude 500 ft. Drilled 1962. Depth to water 8 ft. Drilled by Engineering Services Inc.		CR 22 th. 413605N0724142.1. Bureau of Highways, Dept. of Transportation. Altitude 4 ft. Drilled 1951.	
Topsoil; red-brown silty sand.....	0 - 1	1	Topsoil.....	0 - 1	1
Sand, fine to medium, red-brown; trace of silt and gravel (fill?).....	1 - 5	4	Sand, fine to coarse, brown, and silt; trace of fine gravel; trace of roots.....	1 - 3	2
Rock, decomposed, gray.....	5 - 8	3	Gravel, fine to coarse, gray-brown, and fine to coarse sand; little silt (fill?).....	3 - 11	8
Rock, decomposed, very soft, red-brown- gray.....	8 - 18	10	Rock, decomposed, brown.....	11 - 18.2	7.2
Rock, decomposed, and fine to medium brownish-yellow sand.....	18 - 26.5	8.5	Schist, mica, and gray quartz; weathered, sandy.....	18.2 - 23.2	5
CO 110 th. 413446N0722122.1. Bureau of Highways, Dept. of Transportation. Altitude 305 ft. Drilled 1962. Depth to water 7 ft. Drilled by Engineering Services Inc.		CO 118 th. 413359N0721837.1. Bureau of Highways, Dept. of Transportation. Altitude 535 ft. Drilled 1962. Depth to water 14 ft. Drilled by Engineering Services Inc.		CR 23 th. 413442N0723909.1. Bureau of Highways, Dept. of Transportation. Altitude 16 ft. Drilled 1957.	
Topsoil; silty, brown sand.....	0 - 1	1	Topsoil.....	0 - 0.7	0.7
Sand, fine to medium, brown; trace of silt.....	1 - 5	4	Sand, fine to coarse, brown; little silt; trace of fine to coarse gravel (fill?).....	0.7 - 7.5	6.8
Hardpan, brown-gray (silt, sand and gravel, cemented); trace of decomposed rock (fill?).....	5 - 16.5	11.5	Rock, decomposed, brown, mica chips.....	7.5 - 10.5	3
Rock, decomposed, very soft, red-brown- gray.....	16.5 - 25	8.5	Schist, mica, sandy, soft, weathered, gray.....	10.5 - 20.5	10
Rock, decomposed, brown and gray.....	25 - 26.5	1.5	Rock, decomposed, brown.....	20.5 - 21.0	.5
CO 111 th. 413441N0722110.1. Bureau of Highways, Dept. of Transportation. Altitude 355 ft. Drilled 1962. Depth to water 21 ft. Drilled by Engineering Services Inc.		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.		CR 24 th. 413712N0724105.1. Bureau of Highways, Dept. of Transportation. Altitude 146 ft. Drilled 1953. Depth to water 9 ft.	
Topsoil; some brown silt.....	0 - 1	1	Fill, clinder.....	0 - 1	1
Sand, fine, brown, and silt.....	1 - 3.5	2.5	Sand, fine to medium, and silt; little gravel.....	1 - 7	6
Sand, fine, brown, and silt; trace of decomposed rock.....	3.5 - 8.5	5	Boulder.....	7 - 9	2
Sand, fine brown; trace of silt; trace of decomposed rock.....	8.5 - 11.4	2.9	Sand, fine to medium, and silt; some gravel.....	9 - 13	4
Casing refusal.....	at 11.4		Rock, soft, sandy.....	13 - 23	10
Schist, mica, gray (cored).....	11.4 - 21.4	10			
CO 112 th. 413425N0722050.1. Bureau of Highways, Dept. of Transportation. Altitude 379 ft. Depth to water 32 ft. Drilled by Engineering Services Inc.					
Topsoil; brown sand.....	0 - 2	2			
Sand, fine to coarse, and brown gravel.....	2 - 5	3			
Sand, fine to coarse, brown; some gravel.....	5 - 15	10			
Sand, fine to coarse, brown; trace of gravel.....	15 - 20	5			
Sand, fine to coarse, gray; some fine brown sand.....	20 - 31.5	11.5			
CR 1 th. 413755N0724024.1. Algonquin Gas Co. Altitude 125 ft. Drilled 1962. Depth to water 6 ft. Drilled by American Drilling Co.					
CR 3 th. 413751N0723938.1. Crowell Fire Dist. Water Dept. Altitude 145 ft. Drilled 1966. Drilled by Water Exploration and Devel. Corp.					
CR 19 th. 413448N0723900.1. Middletown Water Co. Altitude 5 ft. Drilled 1948. Depth to water 4 ft. Drilled by R. E. Chapman Co.					
CR 22 th. 413605N0724142.1. Bureau of Highways, Dept. of Transportation. Altitude 4 ft. Drilled 1951.					
CR 23 th. 413442N0723909.1. Bureau of Highways, Dept. of Transportation. Altitude 16 ft. Drilled 1957.					
CR 24 th. 413712N0724105.1. Bureau of Highways, Dept. of Transportation. Altitude 146 ft. Drilled 1953. Depth to water 9 ft.					

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 Crowell--Cont.					
CR 25 th. 41371N0724103.1. Bureau of Highways, Dept. of Transportation. Altitude 139 ft. Drilled 1963. Depth to water 7 ft.					
Silt, brown, organic; some sand	0 - 2	2	Topsoil, brown	0 - 1.5	1.5
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
			Clay and red-brown silt	10 - 25	15
			Traprock, seamy to solid, hard	25 - 30	5
CR 26 th. 41362N0724037.1. Bureau of Highways, Dept. of Transportation. Altitude 76 ft. Drilled 1963. Depth to water 10 ft.					
Silt, brown; some gravel; little sand; trace of clay (till?)	0 - 4	4	CR 35 th. 41364N0724159.1. Bureau of Highways, Dept. of Transportation. Altitude 81 ft. Drilled 1961. Depth to water 0 ft.		
Silt, red-brown; little sand; scattered gravel and boulders (till?)	4 - 20	16	Topsoil, black; fine to medium brown sand and silt	0 - 5	5
Rock, sandstone	20 - 25	5	Silt, red; some clay	5 - 10	5
			Clay, red; some silt	10 - 15	5
			Clay and red silt	15 - 19	4
			Traprock, seamy, hard, gray	19 - 25	6
CR 27 th. 41362N0724036.1. Bureau of Highways, Dept. of Transportation. Altitude 84 ft. Drilled 1963. Depth to water 4 ft.					
Topsoil	0 - 1	1	CR 36 th. 41364N0724200.1. Bureau of Highways, Dept. of Transportation. Altitude 82 ft. Drilled 1961. Depth to water 0 ft.		
Silt, brown; some sand; little fine to medium gravel; trace of clay; (till?)	1 - 4	3	Topsoil, black	0 - 1.5	1.5
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
Rock, sandstone	15.7 - 20.7	5	Traprock, hard, gray	7 - 12	5
CR 28 th. 41363N0724036.1. Bureau of Highways, Dept. of Transportation. Altitude 89 ft. Drilled 1963. Depth to water 4 ft.					
Topsoil	0 - 1	1	CR 37 th. 41364N0724158.1. Bureau of Highways, Dept. of Transportation. Altitude 77 ft. Drilled 1961. Depth to water 0 ft.		
Silt, brown, and sand; little fine to medium gravel (till?)	1 - 5	4	Topsoil, black	0 - 1.5	1.5
Silt, red-brown; some sand; little gravel; trace of clay (till?)	5 - 14.9	9.9	Silt and reddish-brown clay	1.5 - 15	13.5
Rock, sandstone, gray	14.9 - 29.9	15	Traprock, hard, seamy, gray	15 - 22	7
CR 29 th. 41361S0724028.1. Bureau of Highways, Dept. of Transportation. Altitude 48 ft. Drilled 1973. Depth to water 2 ft.					
Topsoil	0 - 1	1	CR 38 th. 41361N0724218.1. Bureau of Highways, Dept. of Transportation. Altitude 39 ft. Drilled 1963. Depth to water 5 ft.		
Silt, brown, and sand; little fine to medium gravel (till?)	1 - 5	4	Topsoil, sandy, dark brown	0 - 3	3
Silt, red-brown; some sand; little gravel; trace of clay (till?)	5 - 14.9	9.9	Sand, fine to medium, brown; some fine to coarse gravel; trace of silt; cemented	3 - 10	7
Rock, sandstone, gray	14.9 - 29.9	15	Sand, fine to medium, brown; some fine to medium gravel; little silt; cemented; boulder	10 - 17	7
CR 30 th. 41353N0723943.1. Bureau of Highways, Dept. of Transportation. Altitude 19 ft. Drilled 1963. Depth to water 2 ft.					
Silt, brown; little fine sand; trace of coarse sand and gravel	0 - 2.5	2.5	Pebbles, traprock; cobbles; sand	17 - 25	8
Silt and clay, brown; little gravel and sand	2.5 - 4	1.5	Sand, coarse, light brown	25 - 30	5
Silt, brown; little clay; trace of fine sand, silt, and clay	4 - 11	7	Sand and coarse brown gravel	30 - 32	2
Silt, brown-red; some fine to coarse sand; little gravel; trace of clay	11 - 15	4	Rock; soft to medium shale	32 - 42	10
Sand, fine to coarse, brown-red; some silt; little gravel and shale fragments	15 - 18.5	3.5	CR 39 th. 41361S0724216.1. Bureau of Highways, Dept. of Transportation. Altitude 59 ft. Drilled 1963.		
Rock, sandstone, brown-red, with layers of shale arkose	18.5 - 28.5	10	Silt and fine reddish-brown sand ...	0 - 4.4	4.4
CR 31 th. 41353N0723943.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1963.					
Silt, brown; little fine sand; trace of cobbles	0 - 3.5	3.5	Traprock, fractured, hard, blue-gray	4.4 - 10	6.4
Silt, brown-red, trace of clay, and fine sand	3.5 - 5	1.5	CR 40 th. 41361N0724206.1. Bureau of Highways, Dept. of Transportation. Altitude 10 ft. Drilled 1963. Depth to water 2 ft.		
Sand, fine to coarse, brown-red; some silt; little gravel and shale fragments; trace of clay (till?)	5 - 12	7	Topsoil (fine brown silt)	0 - 2	2
Rock, sandstone, brown-red, with layers of shale and arkose	12 - 22	10	Sand, fine to medium, brown; some gravel; some silt (glacial till) ..	2 - 10	8
CR 32 th. 41350S0723856.1. Bureau of Highways, Dept. of Transportation. Altitude 6 ft. Drilled 1963. Depth to water 1 ft.					
Silt and organic black rock	0 - 5	5	Sand, fine to medium, brown; some silt; some boulders (glacial till) ..	10 - 21.5	11.5
Silt, brown; some sand; little gravel (till?)	5 - 16.5	11.5	Rock, shale, red	21.5 - 26	4.5
Rock, sandstone, brown; weathered ..	16.5 - 21.5	5	CR 41 th. 41373N0724126.1. Bureau of Highways, Dept. of Transportation. Altitude 90 ft. Drilled 1961. Depth to water 0 ft.		
Rock, sandstone, brown	21.5 - 31.5	10	Topsoil; organic material	0 - 0.5	.5
CR 33 th. 41350S0723856.1. Bureau of Highways, Dept. of Transportation. Altitude 5 ft. Drilled 1968. Depth to water 2 ft.					
Silt, organic, black; some rock material	0 - 10	10	Sand, fine, red-brown; little silt; trace of clay and organic material	0.5 - 2	1.5
Clay, gray; little sand	10 - 15	5	Sand, fine, red to brown; trace silt	2 - 4.6	2.6
Silt and sand, brown; little gravel silt and sand, brown; trace of gravel (till?)	15 - 20	5	Silt, red-brown; little clay; trace of fine sand	4.6 - 10	5.4
			Silt, red-brown; little gravel; trace of clay (glacial till)	10 - 15	5
			Rock, basalt, seamed, hard, gray ...	15 - 20	5
			CR 42 th. 41373N0724121.1. Bureau of Highways, Dept. of Transportation. Altitude 125 ft. Drilled 1961. Depth to water 32 ft.		
			Topsoil	0 - 1	1
			Sand, fine to coarse, brown; little fine to coarse gravel; trace silt and organic material	1 - 10	9
			Sand, fine, red to brown; trace silt	10 - 25	15
			Sand, fine, and red to brown silt; trace clay	25 - 35	10
			Silt, red to brown; some clay; trace fine sand (varved)	35 - 57	22
			Cobbles	57 - 60	3
			Rock, basalt, seamed, moderately hard, gray	60 - 65	5
			CR 43 th. 41373N0724122.1. Bureau of Highways, Dept. of Transportation. Altitude 124 ft. Drilled 1961. Depth to water 33 ft.		
			Topsoil	0 - 1.2	1.2
			Sand, fine to coarse, red to brown; little gravel; trace silt	1.2 - 5	3.8
			Sand, fine, red to brown; silt (grading from trace to some)	5 - 25	20
			Silt, red to brown; fine sand (grading from some to little)	25 - 35	10
			Clay, silty, red to brown; trace fine sand	35 - 55	20
			Silt, red to brown; little fine to coarse gravel; cobbles and boulders (till)	55 - 61	6
			Rock, basalt, seamed, medium to hard, gray	61 - 66	5
			CR 44 th. 41372N0724127.1. Bureau of Highways, Dept. of Transportation. Altitude 107 ft. Drilled 1961.		
			Sand, fine to coarse, brown to red; some gravel	0 - 2	2
			Silt, clayey, red to brown; some silt	2 - 6	4
			Clay and clayey, red - brown silt (varved)	6 - 31.2	25.2
			Clay, silty, red to brown	31.2 - 40.8	9.6
			Traprock, gray; clay and quartz partings; some calcite deposits ...	40.8 - 45.8	5
			CR 45 th. 41372N0724129.1. Bureau of Highways, Dept. of Transportation. Altitude 85 ft. Drilled 1961.		
			Sand, fine to coarse, red to brown; little silt	0 - 1.7	1.7
			Clay, red to brown; little clayey silt; grading to varved clay with red silt	1.7 - 15.7	14
			Sand, fine to coarse, red to brown; some silt; some gravel (glacial till)	15.7 - 22	6.3
			Traprock, gray; trace of calcite; few horizontal partings	22 - 27	5
			CR 46 th. 41372N0724120.1. Bureau of Highways, Dept. of Transportation. Altitude 82 ft.		
			Topsoil	0 - 1	1
			Sand, fine to medium; trace of silt ..	1 - 4	3
			Silt; some fine sand and clay	4 - 10	6
			Silt; trace of clay	10 - 30	20
			Silt; some clay	30 - 35	5
			Silt and clay	35 - 40	5
			Silt; some fine sand	40 - 45	5
			Silt; little fine sand and clay; trace of gravel (till?)	45 - 50	5
			Bottom of hole	at 50	
			CR 47 th. 41372N0724114.1. Bureau of Highways, Dept. of Transportation. Altitude 85 ft. Drilled 1963. Depth to water: flowing.		
			Topsoil	0 - 1	1
			Sand; little gravel	1 - 3	2
			Sand, fine to coarse; little gravel ..	3 - 9	6
			Silt; little fine sand	9 - 20	11
			Silt; little clay	20 - 30	10
			Silt; some clay	30 - 40	10
			Silt and clay	40 - 53	13
			Sand, fine; artesian water	53 - 56	3
			Silt; little fine sand	56 - 58	2
			Silt and clay	58 - 62	4
			Sand and silt; trace of clay and gravel	62 - 67	5
			Silt; little fine sand and clay	67 - 72	5
			Silt	72 - 76	4
			Bottom of hole	at 76	
			CR 48 th. 41365S0724152.1. Bureau of Highways, Dept. of Transportation. Altitude 78 ft. Drilled 1961. Depth to water 2 ft.		
			Clay, silty, organic, dark brown to brown	0 - 3	3
			Sand, fine to coarse, red-brown; some gravel and silt (glacial till)	3 - 5	2
			Traprock, gray, little weathered; some clay filled partings; trace of calcite	5 - 10	5
			CR 49 th. 41365N0724150.1. Bureau of Highways, Dept. of Transportation. Altitude 76 ft. Drilled 1961. Depth to water 0 ft.		
			Clay, silty, gray-brown	0 - 1	1
			Clay, silty, organic, red-brown ...	1 - 2	1
			Silt, red-brown; trace of clay; some fine to coarse sand; little trap cobbles (till?)	2 - 12	10
			Traprock, gray-black; little clay filled partings	12 - 22	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 Crowell--Cont.					
CR 54 th. 413605N0724141.1. Bureau of Highways, Dept. of Transportation. Altitude 3 ft. Drilled 1961.		DR 10 th. 41225N0722643.1. 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	Topsoil, brown	0 - 1	1
Silt, dark brown, and fine sand; some coarse sand; some gravel (till?)	4 - 6	2	Sand, fine, brown; some silt; trace gravel (till?)	1 - 3	2
Silt 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 silt (till?)	3 - 25	22
Silt, 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
Shale, brown	39.5 - 42.5	3	Gneiss, gray and white	35 - 43	8
CR 55 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. 412241N0722720.1. Conn. Water Co. Altitude 137 ft. Drilled 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.	
Topsoil, silty, brown	0 - 3	3	Topsoil	0 - 0.5	0.5
Sand, fine to medium, reddish-brown; some gravel	3 - 9.5	6.5	Sand, fine to coarse, brown; little fine to medium gravel; little silt	0.5 - 8	7.5
Boulders, traprock	9.5 - 14.5	5	Sand, fine, brown and yellow; some silt; trace gravel	8 - 14	6
Sand, fine, reddish-brown, and gravel; trace of silt	14.5 - 18.5	4	Sand, fine to coarse, yellow-brown; little silt; little gravel with decomposed rock fragments; boulder at 18 ft (till?)	14 - 25.5	11.5
Sand, coarse, red; little gravel; gravel; coarse, red sand; boulders (till?)	18.5 - 29	10.5	Gneiss, soft, decomposed, gray and white	25.5 - 35	9.5
Traprock, fractured, blue-gray	29 - 39	10	DR 13 th. 41225N0722655.1. Bureau of Highways, Dept. of Transportation. Altitude 69 ft. Drilled 1963. Depth to water 4 ft.		DR 26 th. 412239N0722720.1. Conn. Water Co. Altitude 137 ft. Drilled 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.
Topsoil, dark brown; fine silt; some fine brown sand	0 - 4	4	Topsoil, brown	0 - 0.8	0.8
Sand, medium to coarse, brown; some silt; little gravel	4 - 9	5	Sand, fine to coarse, gray-brown; some fine to medium gravel; little silt (till?)	0.8 - 11.2	10.4
Boulders, traprock; fine to medium sand; some silt and gravel; rock fragments	9 - 14	5	Sand, fine, gray-brown to gray; little silt; decomposed rock fragments (till?)	11.2 - 26.5	15.3
Boulders	14 - 17	3	Refusal	at 26.5	
Sand, fine to medium, brown; some silt and gravel; cemented; boulders	17 - 18.5	1.5	DR 16 th. 412151N0722533.1. Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1964.		DR 27 th. 412258N0722651.1. Bureau of Highways, Dept. of Transportation. Altitude 58 ft. Drilled 1963. Drilled by A. H. Vollmer, Assoc.
Boulders, shale, decomposed	18.5 - 27	8.5	Silt, organic, gray and brown; little fine to coarse sand; twigs, roots	0 - 1.8	1.8
Sand, medium to coarse, brown; some silt; little gravel; cemented (spoon refusal at 28 ft)	27 - 30	3	Sand, fine to coarse, gray; layered with gray-brown organic silt; little fine sand; twigs, roots	1.8 - 3	1.2
Town of Deep River		DR 17 th. 412213N0722721.1. Conn. Water Co. Altitude 138 ft. Drilled 1966. Drilled by Layne-New England.		Town of Durham	
Topsoil, black; little fine gray sand	0 - 2.5	2.5	Sand, fine, gray-brown; little silt; gray-brown; trace fine sand; silt, gray; some coarse sand to fine gravel; trace red-brown clay silt, gray; trace fine sand; trace to little red-brown clay	7.5 - 9.5	2
Sand, fine, gray to brown; little silt	2.5 - 8	5.5	Sand, fine, gray-brown; little silt; layered with red-brown clay	9.5 - 12.5	3
Sand, fine to coarse, gray and yellow to brown; little silt and gravel; decomposed rock fragments (till?)	8 - 17	9	Bottom of hole	at 12.5	
Gneiss, gray and white	17 - 22	5	DR 18 th. 412212N0722727.1. Conn. Water Co. Altitude 139 ft. Drilled 1966. Drilled by Layne-New England.		D 1 th. 412836N072422.1. Midstate Planning Agency. Altitude 145 ft. Drilled 1964. Depth to water 18 ft. Drilled by Water Exploration and Devel. Corp.
Topsoil, brown	0 - 1	1	Sand, fine to medium, yellow-brown to light gray; some coarse gravel and cobbles	0 - 15	15
Sand, fine, and brown silt with cobbles	1 - 4	3	Silt with lenses of clay and sand	15 - 36	21
Sand, fine to coarse, gray to brown, with rock fragments; boulders at 4 ft and 11.3 ft (till?)	4 - 16.7	12.7	Clay, silty	36 - 41	5
Sand, fine to coarse, brown; some gravel; little silt; grading with less gravel (till?)	16.7 - 26	9.3	Clay and some silt	41 - 52	11
Sand and fine brown silt; trace fine gravel (till?)	26 - 30	4	Sand, fine to medium, and clay	52 - 54	2
Sand, fine to coarse, brown; little fine to medium gravel; little silt; boulder at 37.5 ft (till?)	30 - 40	10	Refusal	at 54	
Sand, fine to coarse, brown; little fine to medium gravel with cobbles and rock fragments; little silt (till?)	40 - 43	3	DR 19 th. 412301N0722645.1. Conn. Water Co. Altitude 48 ft. Drilled 1960. Depth to water 4 ft. Drilled by R. E. Chapman Co.		D 3 th. 412924N0724221.1. Midstate Planning Agency. Altitude 153 ft. Drilled 1965. Depth to water 8 ft. Drilled by Water Exploration and Devel. Corp.
Topsoil, brown	0 - 1	1	Fill, sandy and gravelly	0 - 9	9
Sand, fine, brown; some silt; occasional gravel and cobbles	1 - 4	3	Gravel, medium to coarse	9 - 14	5
Sand, fine to coarse, brown; some fine to coarse gravel with cobbles; little silt (till?)	4 - 61.5	57.5	Gravel, fine to medium	14 - 36	22
			Refusal	at 36	
			DR 21 th. 412259N0722646.1. Conn. Water Co. Altitude 51 ft. Drilled 1960. Drilled by R. E. Chapman Co.		D 4 th. 412814N0724107.1. Durham Fair Assn. Altitude 60 ft. Drilled 1973. Depth to water 3 ft. Drilled by R. E. Chapman Co.
			Loam and clay	0 - 5	5
			Gravel, coarse	5 - 15	10
			Refusal	at 15	
			D 5 th. 412815N0724112.1. Durham Fair Assn. Altitude 57 ft. Drilled 1973. Depth to water 5 ft. Drilled by R. E. Chapman Co.		D 6 th. 412815N0724112.1. Durham Fair Assn. Altitude 57 ft. Drilled 1973. Depth to water 5 ft. Drilled by R. E. Chapman Co.
			Loam and clay	0 - 1	1
			Sand, fine, and gravel	1 - 16	15
			Silt, red, and clay	16 - 40	24
			Sand, fine	40 - 42	2
			Sand, fine to medium	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 Essex--Cont.								
ES 5 th. 412104N0722413.1. Bureau of Highways, Dept. of Transportation. Altitude 42 ft. Drilled 1953. 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 mica	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 to 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 seams 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 33 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 to 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	40 - 45	5	Silt, sand, and gravel with boulders (till?)	15 - 27	12
Gravel, sand, and silt (till?)	3 - 5	2	Sand, fine to coarse, yellow-brown; trace coarse silt	45 - 50	5	Refusal	at 27	
Rock, soft to medium, gray	5 - 15	10	Sand, fine, red-brown, and clayey silt; layered with red-brown fine to medium sand	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, red-brown, and clayey silt; layered with red-brown fine to medium sand	54 - 64	10	Muck, swamp	0 - 5	5
Silt, organic, dark brown; some fine sand; layered with gray fine sand and clay	0 - 5	5	Sand, fine, red-brown, and clayey silt; layered with red-brown fine to medium sand	64 - 74	10	Gravel	5 - 16	11
Sand, fine, dark brown, and clayey silt; trace mica	5 - 7	2	Sand, fine, red-brown, and clayey silt; layered with red-brown fine to medium sand	74 - 80	6	Sand, coarse, gray, good	16 - 35	19
Sand, fine to coarse, red-gray; trace fine gravel	7 - 15	8	Sand, fine, red-brown; trace fine to 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, red-brown; trace fine to coarse silt	83 - 90	7	Gravel, fine to medium	0 - 7	7
Sand, fine, red-brown, and fine to coarse silt	20 - 32	12	Gravel, fine to coarse, yellow-brown; trace fine to coarse sand (till?) ..	90 - 92	2	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 (till?) ..	92 - 97	5	Gravel, sharp, packed (hardpan?) ..	21 - 25	4
Sand, fine to medium, red-brown; trace coarse silt; trace mica (till?)	39 - 43	4	Refusal	at 45		Refusal	at 25	
Sand, medium, gray; fine to coarse gravel (till?)	43 - 45	2	ES 19 th. 412143N0722529.1. 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, gray-brown; some fine to medium gravel; trace fine to coarse silt	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 (till?)	0 - 5	5	Silt, clayey, brown; some fine to coarse sand	9.5 - 13	3.5	Clay and gravel (till?)	40 - 44	4
Sand, fine to coarse, brown; trace of coarse silt; trace of fine to medium gravel (till?)	5 - 9.5	4.5	Sand, fine to coarse, brown; trace silt; trace fine gravel	13 - 20	7	Refusal	at 44	
Peat, black, and fine sand	9.5 - 10.5	1	Sand, fine to coarse, brown; trace silt	20 - 25	5	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	3.2	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 (till?)	28.2 - 35	6.8	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 (till?)	35 - 36.3	1.3	Sand, fine	45 - 60	15
Sand, fine to medium, yellow-brown; trace of coarse silt; trace of fine gravel; medium compact (till?) ..	41 - 46	5	Rock, white pegmatite	36.3 - 41.3	5	Sand, medium to coarse	60 - 63	3
Sand, fine to coarse, yellow-brown; fine to coarse gravel; trace silt; compact (till?)	46 - 49	3	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, fine	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	30	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	9	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 1966. Depth to water 2 ft. Drilled by Layne-New England.			Gravel, medium, sharp, packed (till?)	58 - 61	3
Sand and fine to coarse gravel, yellow-brown; trace fine to coarse silt (till?)	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 (till?)	25 - 33	8	Sand, coarse, gray	20 - 31	11	ES 38 th. 412017N0722444.1. 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 (till?) ..	34 - 40	6	Sand, fine to medium; trace of gravel ..	41 - 73	32	Clay	9 - 36	27
Gravel, fine to coarse, brown (till?)	40 - 41	1	Refusal	at 73		Sand, fine	36 - 56	20
Rock, biotite schist	41 - 51	10	ES 22 th. 412046N0722443.1. Connecticut Water Co. Altitude 41 ft. Drilled 1966. Drilled by Layne-New England.			Sand, medium to coarse	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, silty	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 (till?)	8 - 20	12	Refusal	at 109		Sand, medium to coarse	10 - 15	5
Rock, biotite schist, and white pegmatite	20 - 25	5	ES 23 th. 412031N0722434.1. Connecticut Water Co. Altitude 28 ft. Drilled 1960. Drilled by R. E. Chapman Co.			Sand, very fine	15 - 44	29

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 41 th. 412053N0722419.1. Connecticut Water Co. Altitude 20 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.			ES 56 th. 412135N0722416.1. Connecticut Water Co. Altitude 14 ft. Drilled 1960. Drilled by R. E. Chapman Co.			G 4 th. 411744N0724134.1. Bureau of Highways, Dept. of Transportation. Altitude 13 ft. Drilled 1955. Depth to water 1 ft.		
Sand, fine to medium 0 - 10	10		Sand, fine 0 - 7	7		Topsoil, brown; sand and silt 0 - 2	2	
Sand, very fine 10 - 54	44		Gravel, medium to coarse 7 - 12	5		Gravel, fine to coarse, brown; little fine to medium sand 2 - 8	6	
Clay 54 - 84	30		Gravel, medium to coarse 30 - 50	20		Sand, fine, brown; little silt 8 - 13	5	
Gravel, medium, packed (fill?) 84 - 94	10		Sand, coarse, and fine gravel 50 - 55	5		Sand, fine to medium, brown 13 - 19	6	
Refusal at 94			Refusal at 55			Sand, fine to coarse, brown 19 - 22.5	3.5	
ES 42 th. 412042N0722426.1. Connecticut Water Co. Altitude 30 ft. Drilled 1959. Drilled by R. E. Chapman Co.			ES 57 th. 412136N0722413.1. Connecticut Water Co. Altitude 14 ft. Drilled 1960. Depth to water 2 ft. Drilled by R. E. Chapman Co.			G 5 th. 411743N0724115.1. Bureau of Highways, Dept. of Transportation. Altitude 34 ft. Drilled 1955. Depth to water 1 ft.		
Sand, fine to medium 0 - 40	40		Sand, fine 0 - 7	7		Sand, fine to coarse; little fine to medium gravel (fill) 0 - 6	6	
Sand, very fine, brown 40 - 60	20		Sand, medium to coarse 7 - 27	20		Peat, gray 6 - 18	12	
Sand, very fine, gray 60 - 105	45		Sand, coarse, and fine gravel 27 - 35	8		Sand, medium to coarse; gray, and fine to coarse gravel 18 - 40	22	
Sand, fine, gray 105 - 128	23		Sand, coarse 35 - 40	5		Refusal at 40		
Refusal at 128			Refusal at 40					
ES 43 th. 412040N0722426.1. Connecticut Water Co. Altitude 30 ft. Drilled 1959. Drilled by R. E. Chapman Co.			ES 58 th. 412118N0722433.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1964. Depth to water 0 ft.			G 6 th. 411744N0724116.1. Bureau of Highways, Dept. of Transportation. Altitude 35 ft. Drilled 1955. Depth to water 2 ft.		
Sand, fine, brown 0 - 44	44		Water 0 - 3	3		Sand, fine to coarse, brown; little fine to medium gravel (fill) 0 - 4	4	
Clay 44 - 80	36		Gravel, fine to coarse; some fine to coarse sand; trace of silt 3 - 6	3		Gravel, fine to medium, gray; some fine to coarse sand 4 - 8	4	
Sand, very fine, gray 80 - 90	10		Silt, clayey, gray-brown; some fine sand (varves) 6 - 12	6		Sand, fine to medium, brown 8 - 14	6	
Refusal at 90			Sand, fine, gray-brown; trace of mica 12 - 16	4		Sand, fine, brown; some silt 14 - 19	5	
ES 44 th. 412037N0722426.1. Connecticut Water Co. Altitude 30 ft. Drilled 1959. Drilled by R. E. Chapman Co.			Silt, clayey, gray-brown; little fine sand with layers (varves) of fine sand 16 - 27	11		Sand, fine, brown, and silt 19 - 25.6	6.6	
Sand, medium 0 - 20	20		Gravel, fine to coarse; some fine to coarse sand; trace of silt (fill?) 27 - 32	5		Boulders and cobbles of granite and traprock (fill?) 25.6 - 28.7	3.1	
Sand, very fine 20 - 45	25		Refusal at 32					
Clay 45 - 85	40		ES 59 th. 412145N0722406.1. Bureau of Highways, Dept. of Transportation. Altitude 19 ft. Drilled 1954.			G 7 th. 411741N0724056.1. Bureau of Highways, Dept. of Transportation. Altitude 37 ft. Drilled 1955. Depth to water 4 ft.		
Gravel, sharp (fill?) 85 - 86	1		Gravel, sand, silt (fill); trace of silt and organic matter 11-12 ft 0 - 16	16		Sand, fine to medium, brown; little fine to medium gravel (fill) 0 - 3	3	
Refusal at 86			Sand, medium to coarse, and silt 16 - 18	2		Sand, fine, gray; some silt; trace fine gravel 3 - 8	5	
ES 45 th. 412146N0722407.1. Connecticut Water Co. Altitude 13 ft. Drilled 1959. Depth to water 2 ft. Drilled by R. E. Chapman Co.			Sand, fine to medium, and silt 18 - 22	4		Sand, fine, brown; some silt; lenses of fine to coarse sand 8 - 15	7	
Gravel, fine to medium 0 - 30	30		Sand, fine, and silt 22 - 28	6		Gneiss, decomposed 15 - 16	1	
Sand, medium to coarse 30 - 40	10		Sand, fine to coarse, and silt 28 - 31	3		Gneiss 16 - 17	1	
Gravel, medium to coarse 40 - 45	5		Sand, medium to coarse, silt, and little gravel (fill?) 31 - 36	5		G 12 th. 411722N0723954.1. Bureau of Highways, Dept. of Transportation. Altitude 17 ft. Drilled 1955. Depth to water 2 ft.		
Refusal at 45			Gravel, sand, and silt (fill?) 36 - 39	3		Topsoil, gray; fine to medium sand and silt 0 - 3	3	
ES 46 th. 412145N0722407.1. Connecticut Water Co. Altitude 13 ft. Drilled 1959. Depth to water 3 ft. Drilled by R. E. Chapman Co.			Rock at 39			Sand, fine to medium, brown; little silt 3 - 5	2	
Gravel, fine, and coarse sand 0 - 10	10		ES 60 th. 412114N0722432.1. Bureau of Highways, Dept. of Transportation. Altitude 40 ft. Drilled 1963.			Sand, fine to medium, brown; fine to coarse gravel; some cobbles ..	5 - 8	3
Gravel, fine 10 - 45	35		Sand, fine to coarse, red-brown; trace of coarse silt; trace of roots 0 - 3	3		Sand, fine to coarse, brown, and gravel; some cobbles 8 - 17	9	
Gravel, medium 45 - 55	10		Sand, fine to medium, light brown; trace coarse silt 3 - 7	4		Sand, gray (washings) (fill?) 17 - 25	8	
Refusal at 55			Sand, fine to coarse, brown; some fine to coarse gravel; trace of coarse silt (fill) 7 - 10	3		G 15 th. 411750N0724127.1. Bureau of Highways, Dept. of Transportation. Altitude 9 ft. Drilled 1967. Depth to water 7 ft.		
ES 47 th. 412148N0722406.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.			Pegmatite and biotite schist 10 - 20	10		Topsoil, sandy 0 - 0.4	0.4	
Gravel, medium 0 - 20	20		ES 61 th. 412115N0722431.1. Bureau of Highways, Dept. of Transportation. Altitude 43 ft. Drilled 1963.			Sand, fine to coarse, brown; some silt 0.4 - .9	.5	
Gravel, fine 20 - 42	22		Sand, fine to medium, red-brown; trace of coarse silt; trace of fine to medium gravel; brown humus (fill?) 0 - 3	3		Sand, fine to coarse, brown to light brown; fine to coarse gravel; trace cobbles9 - 1.9	1	
Refusal at 42			Sand, fine to coarse, gray; some fine to coarse gravel; trace coarse silt (fill?) 3 - 9	6		Sand, fine, red-brown; some silt; little coarse sand; little gravel; trace cobbles 1.9 - 2.6	.7	
ES 49 th. 412147N0722404.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Drilled by R. E. Chapman Co.			Schist, biotite, and white pegmatite 9 - 14	5		Sand, fine, red-brown to light brown; some silt; little coarse sand; little gravel 2.6 - 8.2	5.6	
Gravel, medium to coarse 0 - 20	20		Town of Guilford			Silt and fine to coarse, brown sand; trace fine gravel 8.2 - 9.3	1.1	
Gravel, fine 20 - 25	5		G 2 th. 411745N0724142.1. Bureau of Highways, Dept. of Transportation. Altitude 32 ft. Drilled 1955. Depth to water 4 ft.			Refusal at 9.3		
Sand, fine 25 - 45	20		Topsoil, brown, sand, and silt 0 - 1	1		G 16 th. 411747N0724214.1. Bureau of Highways, Dept. of Transportation. Altitude 34 ft. Drilled 1955. Depth to water 5 ft.		
Refusal at 45			Sand, fine to coarse, brown; some fine to medium gravel 1 - 4.1	3.1		Topsoil, brown; fine to medium sand; little fine to medium gravel; trace silt 0 - 4	4	
ES 50 th. 412146N0722403.1. Connecticut Water Co. Altitude 16 ft. Drilled 1959. Drilled by R. E. Chapman Co.			Sand, fine to coarse, brown; little fine gravel 4.1 - 8	3.9		Sand, fine to coarse, gray; some silt 4 - 8.6	4.6	
Gravel, medium 0 - 10	10		Sand, fine to medium, brown 8 - 15.6	2.6		Sand, fine, brown; little silt 8.6 - 19	10.4	
Sand, fine 10 - 27	17		Sand, fine, brown; some silt 15.6 - 21.6	6		Sand, fine to coarse, brown; little fine gravel 19 - 24.5	5.5	
Gravel, coarse, sharp (fill?) 27 - 32	5		Bottom of hole at 36.5			Granite, white-gray 24.5 - 30	5.5	
Refusal at 32			G 3 th. 411745N0724132.1. Bureau of Highways, Dept. of Transportation. Altitude 14 ft. Drilled 1955. Depth to water 2 ft.			G 19 th. 411720N0724007.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1957. Depth to water 9 ft.		
ES 51 th. 412145N0722405.1. Connecticut Water Co. Altitude 17 ft. Drilled 1959. Drilled by R. E. Chapman Co.			Sand, medium to coarse, brown; some fine to medium gravel 0 - 3	3		Sand, fine to medium, loamy 0 - 1	1	
Gravel, clay, and boulders (fill?) 0 - 12	12		Gravel, fine to coarse, brown; some medium to coarse sand; some cobbles and boulders 3 - 12	9		Sand, fine, brown, compact 5 - 8.5	3.5	
Refusal at 12			Rock, gneiss (cored) 12 - 17	5		Sand, fine to medium, and gravel; hard 8.5 - 10	1.5	
ES 53 th. 412027N0722711.1. 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. 412135N0722413.1. 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								

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 Guilford--Cont.			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.		
G 20 th. 411719N0723857.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1954. Depth to water 6 ft.			Gravel, small, and sand	0 - 8	8	Loam, clay, and boulders	0 - 8	8
Sand, fine to medium; some gravel...	0 - 4	4	Sand, fine, and silt	8 - 16	8	Loam, clay, and medium sand	8 - 16	8
Sand, fine to medium; little decomposed rock	4 - 7	3	Silt, fine, and sand	16 - 32	16	Boulders, some clay, and medium sand	16 - 18	2
Gneiss, decomposed	7 - 10	3	Sand, medium, and silt	40 - 47	7	Refusal	at 18	
Gneiss, solid	10 - 17	7	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.			G 40 th. 411854N0724152.1. Connecticut Water Co. Altitude 52 ft. Drilled 1958. Drilled by R. E. Chapman Co.			G 68 th. 411902N0724158.1. Connecticut Water Co. Altitude 58 ft. Drilled 1958. Drilled by R. E. Chapman Co.		
Sand, fine; scattered gravel	0 - 16	16	Sand, medium, and silt	0 - 16	16	Loam, clay, and boulders	0 - 5	5
Sand, medium, and gravel	16 - 24	8	Silt, fine	16 - 24	8	Clay, medium sand, and broken stone	5 - 10	5
Sand, medium to coarse	24 - 32	8	Sand, fine to medium, and silt	24 - 27	3	Sand, medium, and broken stone	10 - 15	5
Sand, medium to coarse; scattered gravel	32 - 40	8	Refusal	at 27		Sand, medium to coarse; some clay, Sand, fine to medium, hard packed, Bottom of hole	15 - 20 20 - 28 at 28	5 8
Sand, coarse, and small gravel	40 - 46	6	G 41 th. 411856N0724200.1. Connecticut Water Co. Altitude 58 ft. Drilled 1958. Drilled by R. E. Chapman Co.			G 69 th. 411726N0724025.1. William Pinchbeck, inc. Altitude 22 ft. Drilled 1972. Depth to water 4 ft. Drilled by U.S. Geol. Survey.		
Sand, medium, and small gravel	46 - 53	7	Sand, fine; some gravel	0 - 5	5	Gravel, silty, dirty	0 - 6	6
Sand, medium to coarse, and gravel	53 - 59	6	Gravel, fine sand, and silt	5 - 16	11	Gravel, silty, pink	6 - 22	16
Sand, fine, and small gravel	59 - 65	6	Sand, medium, and gravel	16 - 24	8	Gravel, sandy	22 - 30	8
Sand, fine, silty (light, no water). Refusal (bedrock)	65 - 75.5 at 75.5	10.5	Sand, medium	24 - 32	8	Till, sandy	30 - 35	5
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	Refusal	at 35	
Sand and gravel	0 - 24	24	Refusal	at 39				
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 (fill?)	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	8	Loam, clayey, with coarse sand	0 - 5	5	Sand, fine, brown; some silt	38 - 45	7
Sand, coarse, and gravel	32 - 40	8	Sand, coarse, and small gravel	5 - 46	41	Silt, brown, and fine sand	45 - 53	8
Sand, fine to medium, and sharp gravel (fill?)	40 - 48	8	Refusal	at 46		Sand, fine, brown, and silt	53 - 58.5	5.5
Sand, fine, dark, and sharp gravel (fill?)	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 56		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. Sand, fine to medium, and broken rock; some clay and silt, hard packed (fill?)	5 - 10 10 - 17	5 7	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	Ledge	at 17		Water	0 - 7.5	7.5
Sand, fine to medium, and sharp small gravel	16 - 36	20	G 60 th. 411910N0724206.1. Connecticut Water Co. Altitude 62 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Muck, gray	7.5 - 9.5	2
Sand, fine to medium, and sharp gravel	36 - 46	10	Gravel, coarse, and medium sand	0 - 5	5	Sand, fine to coarse, and silt	9.5 - 12.5	3
Refusal	at 46		Sand, fine to medium	10 - 15	5	Silt, red-brown, and clay	12.5 - 17.5	5
G 27 th. 411736N0724129.1. Connecticut Water Co. Altitude 17 ft. Drilled 1955. Depth to water 4 ft. Drilled by R. E. Chapman Co.			Sand, fine, and silt	15 - 20	5	Silt, red-brown, and clay in layers Silt, fine, red-brown, and clay	17.5 - 24.5 24.5 - 44	7 19.5
Sand, fine, clay and scattered gravel 0 - 12	12	12	Sand, fine to medium, and silt	20 - 25	5	G 72 th. 411756N0723921.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946.		
Sand, fine to medium, and gravel ... 12 - 24	12	12	Silt, fine	25 - 30	5	Water	0 - 1	1
Sand, fine to medium; scattered gravel; traces of clay (fill?)	24 - 36	12	Sand, medium, and small gravel ... 30 - 40	10	10	Mud; some silt	1 - 5	4
Refusal	at 36		Sand, fine to medium, and broken rock	40 - 45	5	Clay, gray; some silt	5 - 9	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.			Sand, medium, and small gravel ... 45 - 50	5	5	Sand, medium; considerable silt... 9 - 12	3	
Sand, fine, clay, and gravel	0 - 12	12	Sand, medium, clay, and gravel	50 - 55	5	Gravel, fine, gray	12 - 17	5
Sand, fine to medium, and dark sharp gravel	12 - 24	12	Sand, medium to coarse, and gravel. Sand, medium, small gravel, and gray clay	45 - 50 50 - 55	5 5	Gravel, medium to coarse	17 - 24	7
Sand, fine to medium, and gravel ... 24 - 30	12	12	Sand, medium to coarse, and small gravel	55 - 60	5	Hardpan, boulders, and gravel ... 24 - 33	9	
Sand, fine, and gravel	30 - 38	8	Refusal	at 60		Rock, soft to medium	33 - 38	5
Sand, fine, and small sharp gravel ... 38 - 46	8	8	G 61 th. 411908N0724205.1. Connecticut Water Co. Altitude 65 ft. Drilled 1958. Drilled by R. E. Chapman Co.			G 73 th. 411632N0724032.1. Bureau of Highways, Dept. of Transportation. Altitude 11 ft. Drilled 1939.		
Sand, fine, silty, and sharp gravel. 46 - 58	12	12	Gravel, coarse; loam; clay; fine silt	0 - 5	5	Loam	0 - 2	2
Sand, fine, clayey	58 - 62	4	Sand, fine, and silt	5 - 15	10	Sand, fine, brown, and clay	2 - 15	13
Refusal	at 62		Sand, fine to medium, and silt ... 15 - 20	5	5	Sand, fine, brown, and brown clay. 15 - 19	4	
G 35 th. 411859N0724200.1. Connecticut Water Co. Altitude 55 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Silt, fine, and clay	20 - 25	5	Sand, medium, gray, and gray clay. 19 - 22	2	
Clay, fine sand, and small gravel ... 0 - 8	8	8	Sand, fine to medium, and clay ... 25 - 35	10	10	Sand, coarse, brown, and some clay	24 - 26	2
Gravel, small, clay, and fine sand. 8 - 16	8	8	Sand, fine, and broken rock	35 - 40	5	Gravel, boulders, and some clay (fill?)	26 - 32	6
Sand, medium, and small gravel	16 - 24	8	Sand, fine to medium, and clay ... 40 - 45	5	5	Hardpan (fill?)	32 - 43	11
Sand, medium, clay, and small gravel 24 - 32	8	8	Sand, medium, clay, and small gravel 45 - 52	7	7	Rock	43 - 48	5
Sand, medium, and small gravel ... 32 - 40	8	8	Refusal	at 52		G 74 th. 411631N0724031.1. Bureau of Highways, Dept. of Transportation. Altitude 10 ft. Drilled 1939.		
Sand, fine to medium	40 - 45	5	G 63 th. 411908N0724201.1. Connecticut Water Co. Altitude 60 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Loam and cinders	0 - 10	1
Refusal	at 45		Loam, clayey, and boulders	0 - 5	5	Clay, medium brown, and sand ... 1 - 10	9	
G 37 th. 411855N0724157.1. Connecticut Water Co. Altitude 55 ft. Drilled 1958. Drilled by R. E. Chapman Co.			Sand, medium, clay, and broken stone	5 - 10	5	Sand, fine, brown, and clay	10 - 19	9
Loam and gravel	0 - 8	8	Sand, coarse, and gravel	10 - 25	15	Rock	19 - 25	6
Silt, fine	8 - 21	13	Sand, medium to coarse, and small gravel	25 - 35	10	G 75 th. 412247N0724222.1. Bureau of Highways, Dept. of Transportation. Altitude 182 ft. Drilled 1930.		
Refusal	at 21		Sand, coarse, and small gravel ... 35 - 41	6	6	Fill, rocks	0 - 5	5
			Refusal	at 41		Mud	5 - 25	20
						Sand	20 - 40	20
						Sand and gravel	40 - 51	11
						Bottom of hole	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 Haddam			HD 20 th--Cont.			HD 27 th. 412756N0723238.1. Bureau of Highways, Dept. of Transportation. Altitude 345 ft. Drilled 1963. Depth to water 9 ft.		
HD 2 th. 412724N0723142.1. Bureau of Highways, Dept. of Transportation. Altitude 165 ft. Drilled 1963. Depth to water 6 ft.			Cobble and gravel zone	61 - 62	1	Topsoil	0 - 1	1
Topsoil, dark brown	0 - 2	2	Sand, very fine to very coarse, gray (till?)	62 - 66	4	Gravel; some silt	1 - 6	5
Silt, gray; trace fine sand; roots	2 - 4	2	Till, sandy, gray	66 - 67	1	Sand, fine to coarse; some silt; some fine to coarse gravel; trace of clay; few cobbles (till?)	6 - 15	9
Sand, fine to coarse, yellow to brown; little silt; little fine gravel	4 - 7	3	Refusal	at 67		Sand, fine to coarse, brown; some silt; trace of fine gravel; trace of clay; few cobbles (sandy till)	15 - 20	5
Silt, red to brown; trace clay; trace fine sand	7 - 15	8	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 (till)	20 - 30	10
Sand, fine to coarse, brown; cobbles; little silt; little fine to coarse gravel (till?)	15 - 18	3	Silt, clayey, with occasional sand layers (alluvium)	0 - 28	28	Sand, fine to coarse, and silt; little clay; trace of fine gravel (brown hard till)	30 - 37	7
Boulder	18 - 19	1	Sand, very fine to fine, gray; some silt layers	28 - 47	19			
Gravel, coarse, brown, and fine to coarse sand; trace silt, cobbles, and small boulders (till?)	19 - 28.5	9.5	Sand, coarse to very coarse, gray; some very fine to fine sand; trace of silt	47 - 68	21	HD 29 th. 412757N0723054.1. Bureau of Highways, Dept. of Transportation. Altitude 98 ft. Drilled 1954.		
Rock, gray	28.5 - 33.5	5	Sand, very fine to fine, gray; trace of silt with thin layers of fine gravel and clay	68 - 108	40	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.			Gravel, coarse; very rough and slow drilling (till?)	108 - 111	3	Sand and gravel	3 - 5.5	2.5
Loam, brown	0 - 4	4	Refusal	at 111		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 (till)	4 - 9	5	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	12 - 16	4
Sand, fine to coarse, brown to gray; some fine to medium gravel; trace silt and cobbles (till)	9 - 14	5	Gravel, very fine to coarse, and very fine to very coarse sand; little silt	0 - 32	32	Sand, coarse, brown	16 - 20	4
Sand, fine to coarse, brown and gray; fine to coarse gravel; little silt; trace clay and cobbles (till)	14 - 21	7	Silt, red, layered with very fine sand and occasional clay layers (varves)	32 - 95	63	Sand and brown gravel	20 - 25	5
Sand, fine to coarse, brown; little fine to medium gravel; trace silt and cobbles (till)	21 - 30	9	Gravel, sandy (till?)	95 - 97	2	Rock, soft, mica	25 - 35	10
Sand, fine to coarse, brown, and silt; trace fine gravel; trace clay and cobbles (till)	30 - 35	5	Till(?)	97 - 102	5	Town of Hebron		
Rock	35 - 45	10	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.			HB 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.			Silt, black (alluvium)	0 - 7	7	Soil zone	0 - 4	4
Blacktop, top of road	0 - 0.3	0.3	Gravel, dirty, with layers of sand, Sand, coarse to very coarse; trace very fine to medium sand; trace dirty gravel	7 - 15	8	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 (till)	0.3 - 3	2.7	very fine to medium sand; trace dirty gravel	15 - 25	10	Refusal	at 15	
Gravel, fine to medium, gray to tan, and fine to coarse sand; trace cobbles, light silt, and clay (till)	3 - 8	5	Gravel, dirty	25 - 70	45	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	Sand, very fine to medium, red; trace silt; occasional fine gravel	70 - 107	37	Sand, very fine to very coarse; some gravel; some silt	0 - 13	13
HD 8 th. 412826N0723228.1. Bureau of Highways, Dept. of Transportation. Altitude 208 ft. Drilled 1962. Depth to water 0 ft.			Till, gray	107 - 112	5	Sand, very fine to very coarse; trace silt	13 - 20	7
Sand, fine, tan; trace silt	0 - 1	1	Bottom of hole	at 112		Gravel	20 - 23	3
Sand, fine, light brown; trace coarse sand; trace silt	1 - 2.5	1.5	HD 24 th. 412628N0723106.1. Bureau of Highways, Dept. of Transportation. Altitude 350 ft. Drilled 1963. Depth to water 28 ft.			Rock	23 - 24	1
Sand, fine, brown to tan; trace coarse sand; trace silt	2.5 - 4.7	2.2	Humus and roots	0 - 0.5	0.5	HB 4 th. 413604N0722057.1. Tony Mikulska. Altitude 355 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.		
Rock, gray granite	4.7 - 10.5	5.8	Sand, fine to coarse, red-brown; fine to medium gravel; trace of silt ..	0.5 - 6	5.5	Fill	0 - 4	4
HD 9 th. 412940N0723332.1. Bureau of Highways, Dept. of Transportation. Altitude 59 ft. Drilled 1950.			Sand, fine, yellow-tan; some silt; trace of medium to coarse sand ..	6 - 9	3	Muck, black, organic	4 - 7	3
Sand, fine	0 - 2	2	Gravel, fine to medium, red-brown, and fine to coarse sand; trace of silt	9 - 15	6	Sand, fine to coarse, with layers of coarse gravel	7 - 43	36
Sand, medium	2 - 6.6	4.6	Boulder	15 - 16.5	1.5	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	Gravel, fine to medium, red-brown, and fine to coarse sand; little silt	16.5 - 22	5.5	Refusal (probably bedrock)	at 78	
Bottom of hole	at 14		Sand, coarse, yellow-tan; little fine sand; trace of fine gravel; trace of silt	22 - 30	8	HB 5 th. 413557N0722101.1. Tony Mikulska. 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.			Sand, fine to coarse, gray; little fine gravel; little silt	30 - 36	6	Fill	0 - 1	1
Alluvium; silt and clay	0 - 20	20	Gravel, medium, gray, and sand; trace of silt	36 - 40	4	Muck, 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	Bottom of hole	at 40		Sand, very fine to fine, and silt Gravel, fine to medium, and sand Silt, clayey, light brown, and silty clay, layered with some beds of black organic muck and very fine sand	10 - 28	18
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	HD 25 th. 412752N0723225.1. Bureau of Highways, Dept. of Transportation. Altitude 221 ft. Drilled 1963. Depth to water 5 ft.			Gravel, sandy	28 - 30	2
Bottom of hole	at 112		Topsoil	0 - 0.5	0.5	Till, very sandy, light gray	30 - 52	22
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, tan; some silt; trace of fine gravel; trace of coarse sand	0.5 - 3	2.5	Refusal (bedrock)	at 52	
Loam, black	0 - 1	1	Sand, fine to coarse, red-brown; little silt; trace of fine to medium gravel; trace of cobbles (till)	3 - 8	5	HB 6 th. 413600N0722111.1. Tony Mikulska. Altitude 365 ft. Drilled 1972. Depth to water 20 ft. Drilled by U.S. Geol. Survey.		
Gravel, dirty	1 - 5	4	Sand, fine, red-brown, and silt; trace of coarse sand; trace of clay; little fine to medium gravel (till)	8 - 24	16	Silt, light brown; some very fine sand	0 - 17	17
Sand, very fine to medium; some coarse to very coarse sand; trace silt; scattered gravel	5 - 7	2	Sand, fine, red-brown, and silt; trace of coarse sand; trace of clay; little fine to medium gravel (till)	24 - 30	6	Clay, silty, light brown, with layers of very fine sand and silt	17 - 24	7
Sand, fine to very coarse; trace very fine sand; trace silt; trace very fine gravel	7 - 30	23	Sand, fine to coarse, gray and red- brown; some fine to medium gravel; trace of silt; trace of clay (till)			Till, gray, very sandy	24 - 28	4
Sand, coarse to very coarse, and very fine to fine gravel	30 - 41	11				Till, gray, very sandy and gravelly	28 - 35	7
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				Refusal (bedrock)	at 35	

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 Hebron--Cont.								
HB 7 th. 41385N072358.1. Bureau of Highways, Dept. of Transportation. Altitude 349 ft. Drilled 1959. Depth to water 10 ft.			K 9 th. 41185N0723516.1. 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	Topsoil	0 - 3	3	Topsoil, 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, coarse, and fine to medium gravel	12 - 18	6	Sand, fine to coarse	13 - 15.5	2.5
			Sand, fine to medium, brown	18 - 30	12	Rock, schist	15.5 - 19.5	4
			Sand, medium to coarse, brown, with lenses of gravel	30 - 36	6			
HB 8 th. 413929N0722223.1. Bureau of Highways, Dept. of Transportation. Altitude 435 ft. Drilled 1959.			Refusal	36 - 64	28	MA 9 th. 411716N0723645.1. Bureau of Highways, Dept. of Transportation. Altitude 27 ft. Drilled 1955. Depth to water 6 ft.		
Topsoil	0 - 0.5	0.5	K 10 th. 411853N0723516.1. Connecticut Water Co. Altitude 12 ft. Drilled 1966. Depth to water 3 ft. Drilled by Layne-New England.			Sand, fine to medium; trace silt	0 - 7	7
Sand, medium, brown; some silt and gravel	0.5 - 14	13.5	Sand, fine to medium, with lenses of gravel	0 - 52	52	Sand, fine, brown; trace silt	7 - 19	12
Sand, medium to coarse, brown, and gravel	14 - 18	4	Sand, fine, and coarse gravel	52 - 57	5	Clay, gray	19 - 23	4
Sand, medium, gray, and gravel; some cobbles (6 to 8 in); some silt	18 - 25	7	Sand, fine	57 - 62	5	Sand, fine gray; little silt	23 - 33	10
			Sand, very fine to medium	62 - 79	17	Sand, fine, gray; trace silt	33 - 45	12
			Sand, very fine to fine	79 - 85	6	Sand, fine gray; trace silt; trace small gravel (fill)	45 - 51	6
			Refusal	at 85		Rock, granite	51 - 56	5
HB 9 th. 413945N0722222.1. Bureau of Highways, Dept. of Transportation. Altitude 463 ft. Drilled 1957.			K 11 th. 411853N0723520.1. Connecticut Water Co. Altitude 12 ft. Drilled 1966. Depth to water 3 ft. Drilled by Layne-New England.			Sand, fine to medium, brown; little gravel; trace silt	0 - 16	16
Peat, silt, and fine sand in thin layers	0 - 14	14	Sand, fine to coarse; lenses of yellow-brown, coarse gravel	0 - 20	20	Sand, fine to medium, gray; some gravel; trace silt	16 - 24	8
Sand, fine to coarse, gray, and gravel; several cobbles	14 - 27.5	13.5	Sand, fine to medium; lenses of coarse sand	20 - 26	6	Sand, fine to medium, gray; little clay and gravel; trace silt	24 - 35	11
Bottom of hole	at 27.5		Sand, medium to coarse; trace of gravel	26 - 42	16	Sand, fine to medium, gray; little silt; little clay (fill)	35 - 43.8	8.8
			Sand, fine to coarse; trace of medium gravel	42 - 57	15	Sand, fine to medium (fill)	43.8 - 45.3	1.5
			Sand, fine to coarse, yellow-brown	57 - 62	5	Granite, decayed gneiss	45.3 - 46.3	1
			Sand, coarse, and fine gravel	62 - 85	23			
			Refusal	at 85		MA 13 th. 411720N0723844.1. Bureau of Highways, Dept. of Transportation. Altitude 9 ft. Drilled 1955. Depth to water 6 ft.		
			K 12 th. 411855N0723516.1. Connecticut Water Co. Altitude 17 ft. Drilled 1966. Depth to water 8 ft. Drilled by Layne-New England.			Sand, fine to medium, brown; trace coarse sand; trace small gravel	0 - 10.5	10.5
			Silt and fine to medium sand	0 - 16	16	Sand, fine, gray; little silt	10.5 - 22.3	11.8
			Sand, fine to medium, brown; trace of silt	16 - 42	26	Sand, medium, gray; trace fine sand; trace coarse sand	22.3 - 29.3	7
			Sand, coarse, reddish	42 - 66	24	Sand, fine, brown; little silt	29.3 - 32.3	3
			Refusal	at 66		Silt, clayey, brown; trace fine sand	32.3 - 40.3	8
			Town of Lyne					
			L 1 th. 412211N0722140.1. J. E. Harding, Sr. Altitude 49 ft. Drilled 1972. Depth to water 32 ft. Drilled by U.S. Geol. Survey.			Silt, brown; trace clay; little fine sand	40.3 - 44.4	4.1
			Topsoil, sandy loam	0 - 1	1	Sand, very fine, gray, and silt	44.4 - 51.2	6.8
			Sand, very fine to very coarse; trace pea 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, fine, brown; little silt; layers of clay	51.2 - 59.5	8.3
			Sand, fine, brown, clean, well sorted; occasional beds of very fine sand or silt	30 - 98	68	Sand, medium, brown; little gravel	59.5 - 67.4	7.9
			Sand; some gravel with thin layers of red clay	98 - 104	6	Rock, schist	67.4 - 73.5	6.1
			Refusal	at 104				
			L 2 th. 412439N0722520.1. Paul Selden. Altitude 20 ft. Drilled 1972. Depth to water 16 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, very fine to coarse, red; some silt	0 - 4	4	Sand, fine to medium, brown; trace gravel	0 - 5	5
			Gravel, fine to coarse, and very fine to very coarse red sand	4 - 9	5	Sand, fine, brown; trace medium sand; trace silt	5 - 12	7
			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, brown; trace silt	60 - 90	30	Sand, medium to coarse, brown; some small gravel; trace fine sand	23 - 35	12
			Sand, very fine to medium, gray; some silt; occasional varve of red or gray clayey silt	90 - 112	22	Rock, granite gneiss	35 - 41.1	6.1
			Bottom of hole	at 112				
			Town of Madison					
			MA 1 th. 411726N0723634.1. Bureau of Highways, Dept. of Transportation. Altitude 35 ft. Drilled 1955. Depth to water 2 ft.			MA 16 th. 411718N0723820.1. Bureau of Highways, Dept. of Transportation. Altitude 26 ft. Drilled 1954. Depth to water 1 ft.		
			Topsoil, brown, moist	0 - 2	2	Topsoil and road fill, brown	0 - 3	3
			Sand, fine to coarse, brown; trace fine gravel; trace silt; wet	2 - 14	12	Sand, fine to medium, brown	3 - 6	3
			Sand, fine to coarse, gray to brown, wet	14 - 20	6	Sand, fine, and silt; brown	6 - 10	4
			Sand, fine, brown, and silt; wet	20 - 26	6	Sand, fine to medium, brown; little gravel; trace silt	10 - 17	7
			Sand, fine to coarse, brown; trace gravel; wet	26 - 32	6	Sand, medium to coarse, brown; trace silt; trace gravel; trace boulders (fill)	17 - 20	3
			Refusal	at 32		Refusal	at 20	
						MA 17 th. 411725N0723412.1. Bureau of Highways, Dept. of Transportation. Altitude 33 ft. Drilled 1955. Depth to water 20 ft.		
						Topsoil, 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 (fill)	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

	Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (feet)		Depth (feet)	Thick- ness (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. Geol. 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	Meadow mat	0 - 7	7
Sand, fine, tan; some silt	1 - 2.5	1.5	Clay, silty	1 - 6	5	Meadow mat and organic silt	7 - 14	7
Sand, fine to coarse, light brown; trace silt	2.5 - 3.5	1	Gravel, sandy, silty, orange	6 - 10	4	Sand, medium to coarse; some gravel; trace of silt	14 - 17	3
Sand, fine to coarse, light brown; trace gravel; trace very compact silt; drilled boulder 5 to 6 ft below lsd	3.5 - 10	6.5	Gravel, silty, orange	10 - 16	6	Sand, fine to medium; some gravel; trace of silt	17 - 45	28
Sand, medium to coarse, light brown; trace gravel; trace silt	10 - 14.3	4.3	Gravel, coarse, and cobbles	16 - 24	8	Refusal	at 45	
Sand, fine to medium, light brown; little silt	14.3 - 18.2	3.9	Clay, micaceous, pink	24 - 32	8			
Sand, fine, gray to brown; little silt	18.2 - 24.2	6	Bottom of hole	at 32				
Silt, gray to brown; trace fine sand	24.2 - 25.3	1.1	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.			MA 39 th. 411643N0723518.1. Bureau of Highways, Dept. of Transportation. Altitude 3 ft. Drilled 1932. Driller unknown.		
Sand and fine silt, gray to brown; silt, gray; little fine sand	25.3 - 46.3	21	Water and grass; meadow mat	0 - 3	3	Mud and blue clay	0 - 24	24
Silt, gray; trace fine sand	46.3 - 54.5	8.2	Sand, fine to coarse; some gravel ..	3 - 20.5	17.5	Gravel, fine, and cobbles	24 - 26	2
Sand, fine to coarse, gray; some silt; trace clay; trace gravel (fill)	54.5 - 62.3	7.8	Sand, fine; trace of silt	20.5 - 39	18.5	Sand, yellow, with some mica chips and boulders	26 - 33	7
Sand, fine to coarse, gray; some silt; trace clay; trace gravel (fill)	62.3 - 67.3	5	Bottom of hole	39 - 46.5	17.5	Rock	at 33	
Sand, fine to coarse, gray; some silt; trace clay; trace gravel (fill)	67.3 - 72	4.7	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.			MA 40 th. 411642N0723519.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1932. Driller unknown.		
Rock, soft, dark gray	72 - 74	2	Meadow mat	0 - 6	6	Water	0 - 2	2
Rock, soft to medium, dark gray ..	74 - 77	3	Sand, fine, and silt	6 - 23	17	Stones, loose (fill)	2 - 5	3
Rock, hard	77 - 80.5	3.5	Silt and clay	23 - 27	4	Mud and blue clay	5 - 10	5
			Sand, fine, and silt	27 - 42	15	Rock	at 10	
			Mica, schist, decayed	42 - 51	9			
			Bottom of hole	at 51		MA 41 th. 411722N0723402.1. Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1955. Depth to water 6 ft.		
MA 20 th. 411633N0723249.1. Bureau of Highways, Dept. of Transportation. Altitude 5 ft. Drilled 1955. Depth to water 5 ft.			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.			Topsoil	0 - 1	1
Fill, gravel	0 - 3.5	3.5	Gravel, sand, and silt	0 - 3	3	Gravel, sand, and silt	1 - 3	2
Muck, gray	3.5 - 5.5	2	Sand, medium; some silt and fine gravel	3 - 7	4	Gravel and sand with less silt ..	3 - 4	1
Root material (peat); little gray muck	5.5 - 15.5	10	Sand, gray-brown, and fine gravel; some silt	7 - 23	16	Sand, fine, gray, and silt	4 - 7	3
Sand, medium, gray; trace silt; boulder 19.5 to 21.5 ft.	15.5 - 24	8.5	Sand, fine to medium, and medium gravel; trace of silt	23 - 30	7	Sand, fine, tan; less silt	7 - 8	1
Sand, fine, gray, and gravel; trace silt; trace cobbles	24 - 29.3	5.3	Refusal	at 30		Sand, fine, gray, and silt	8 - 9	1
Sand, fine to coarse, tan; trace gravel and cobbles	29.3 - 33.9	4.6	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.			Sand, fine, tan, and silt	9 - 12	3
Sand, fine to coarse, tan; some gravel and cobbles	33.9 - 36.3	2.4	Topsoil	0 - 2.5	2.5	Sand, tan; little clay	12 - 18	6
Rock	36.3 - 43.3	7	Sand, fine to coarse, yellow-brown, and gravel	2.5 - 17.4	14.9	Sand, fine, tan, and silt	18 - 22	4
MA 23 th. 411924N0723539.1. Connecticut Water Co. Altitude 20 ft. Drilled 1971. Drilled by R. E. Chapman Co.			Sand, fine to medium, brown	17.4 - 21.5	4.1	Silt; tan; little clay	22 - 26	4
Fill and muck	0 - 5	5	Refusal	at 21.5		Sand, fine to medium, gray, and silt	26 - 29	3
Sand, silty, and clay	5 - 8	3	MA 35 th. 411718N0723716.1. Bureau of Highways, Dept. of Transportation. Altitude 14 ft. Drilled 1955. Drilled by Warren George Drilling Co.			Sand, medium, yellow, changing to brown, and silt	29 - 42	13
Hardpan (fill)	8 - 11	3	Meadow mat and sandy silt	0 - 4.5	4.5	Sand, fine, gray; silt; clay; little gravel and cobbles (fill)	42 - 50	8
Refusal	at 11		Sand, fine to coarse; trace of gravel silt, organic	4.5 - 13	8.5	Rocky, soft	50 - 59	9
MA 24 th. 411940N0723558.1. Connecticut Water Co. Altitude 38 ft. Drilled 1971. Drilled by R. E. Chapman Co.			Sand, fine to coarse; little gravel Sand, compact; little gravel and clay (fill)	13 - 21 21 - 33	8 12			
Muck, sandy, and silt	0 - 8	8	Refusal	33 - 45	12	MA 42 th. 411721N0723403.1. Bureau of Highways, Dept. of Transportation. Altitude 31 ft. Drilled 1955. Depth to water 10 ft.		
Hardpan, very hard packed	8 - 16	8	MA 36 th. 411735N0723424.1. Bureau of Highways, Dept. of Transportation. Altitude 50 ft. Drilled 1955. Depth to water 21 ft. Drilled by Warren George Drilling Co.			Topsoil	0 - 2	2
Clay, red	16 - 18	2	Topsoil	0 - 2	2	Sand, fine to coarse, tan, and silt	2 - 3	1
Hardpan (fill)	18 - 21	3	Sand, fine to coarse; trace of silt; trace of clay	2 - 7	5	Gravel; some silt	3 - 4	1
Sand, brown, gravel, and clay (fill) ..	21 - 28	7	Sand, fine to coarse; trace silt; some gravel	7 - 12	5	Sand, fine to coarse, tan; little silt	4 - 5	1
Refusal	at 28		Sand, fine to medium; trace of silt Sand, fine to coarse; trace of silt Bottom of hole	12 - 16 16 - 31 at 31	4 15	Sand, fine, gray, and silt	5 - 7	2
MA 25 th. 411940N0723549.1. Connecticut Water Co. Altitude 35 ft. Drilled 1971. Drilled by R. E. Chapman Co.			MA 37 th. 411717N0723803.1. Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1955. Depth to water 3 ft. Drilled by Haller Testing Lab.			Sand, fine, yellow, and silt	7 - 10	3
Clay, soft, gray	0 - 20	20	Topsoil, black	0 - 0.5	0.5	Silt and fine sand	10 - 17	7
Sand, medium, brown, gravel, and clay (fill)	20 - 28	8	Sand, fine to medium, brown; little silt; little gravel	0.5 - 5	4.5	Sand, fine to medium, yellow; little silt	17 - 21	4
Hardpan (fill)	28 - 33	5	Sand, fine to medium, brown, and gravel	5 - 27.3	22.3	Silt, tan; little fine sand; little clay	21 - 23	2
Refusal	at 33		Schist, mica	27.3 - 32.3	5	Sand, fine to coarse, tan, and gravel; some silt and clay	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 coarse, brown; little gravel; trace silt and clay; gravel layer 26 to 30 ft.	25 - 37	12
Sand, medium, brown	0 - 5	5				Sand, fine to medium, tan; trace silt	37 - 46	9
Hardpan and boulders (fill)	5 - 15	10				Sand, fine to medium, tan, silt, clay, and cobbles (fill)	46 - 60	14
Refusal	at 15					Rocky, soft	60 - 70	10
MA 28 th. 411812N0723446.1. Connecticut Water Co. Altitude 10 ft. Drilled 1956. Drilled by R. E. Chapman Co.						MA 43 th. 411702N0723605.1. Bureau of Highways, Dept. of Transportation. Altitude 19 ft. Drilled 1955. Depth to water 1 ft.		
Topsoil	0 - 2	2				Peat, brown	0 - 3	3
Sand, fine, and yellow clay	2 - 27	25				Gravel, sand, and silt; brown ..	3 - 4	1
Sand, fine to medium, yellow; some gravel	27 - 46	19				Sand, medium, light brown, and silt; few pebbles	4 - 7	3
Sand, compact, light gray, and angular gravel (fill)	46 - 62	16				Gravel, medium, gray, and medium to coarse sand; trace silt and clay	7 - 22	15
Sand, fine, yellow, and gravel	62 - 74	12				Sand, fine to medium, gray, and silt	22 - 30	8
Refusal	at 74					Sand, fine to medium, tan, and silt Sand, fine to medium, gray, and silt	30 - 37 37 - 40	7 3
						Gravel, sand, and silt; gray (fill) ..	40 - 43	3
						Rock	43 - 51	8

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 Madison--Cont.					
MA 44 th. 411701N0723605.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1955. Depth to water 8 ft.					
Cinders	0 - 1	1			
Loam, sandy, tan	1 - 4	3			
Sand, fine, tan; little medium sand and silt	4 - 6	2			
Sand, fine, mottled gray and tan, and silt; trace of peat	6 - 7	1			
Sand, medium, brown, and silt	7 - 9	2			
Gravel, medium, tan, sand, and silt	9 - 13	4			
Gravel, coarse, sand, and silt	13 - 20	7			
Sand, fine, gray, and silt	20 - 36	16			
Sand, medium, tan, and silt	36 - 47	11			
Sand, fine, gray, and silt	47 - 53	6			
Gravel, gray, sand, and silt (till?)	53 - 67	14			
Rock	67 - 71	4			
MA 45 th. 411580N0723347.1. 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.					
Topsoil, dark	0 - 1	1			
Sand, fine, and silt	1 - 2	1			
Sand, medium to coarse, gray	2 - 7	5			
Sand, fine, gray; some silt	7 - 14	7			
Sand, medium, tan; trace silt	14 - 18	4			
Sand, fine, tan and gray; some silt	18 - 40	22			
Sand, fine, gray, and silt	40 - 50	10			
Silt, gray; some very fine sand	50 - 55	5			
MA 46 th. 411723N0723355.1. Bureau of Highways, Dept. of Transportation. Altitude 7 ft. Drilled 1955. Depth to water 2 ft.					
Sand, fine to coarse, brown; trace silt, mica, and fine to medium gravel	0 - 31	31			
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 1 th. 413859N0722910.1. Bureau of Highways, Dept. of Transportation. Altitude 418 ft. Drilled 1962. Depth to water 3 ft.					
Sand, fine, brown; little silt; trace fine to medium gravel	0 - 10	10			
Sand, fine to coarse, and fine to medium gravel; red to brown; trace silt	10 - 12.5	2.5			
Gneiss, granite, hard, gray	12.5 - 20.5	8			
MA 3 th. 413859N0722999.1. Bureau of Highways, Dept. of Transportation. Altitude 417 ft. Drilled 1962. Depth to water 4 ft.					
Topsoil, sandy, brown	0 - 2.6	2.6			
Gravel, fine to medium, and fine to coarse, red to brown sand; trace silt	2.6 - 10	7.4			
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 (till?)	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.					
Loam	0 - 1	1			
Sand, fine; some cobbles	1 - 8	7			
Sand, fine to medium; little gravel	8 - 14	6			
Sand, fine to coarse; some gravel	14 - 24	10			
Sand, fine to medium; little gravel	24 - 34	10			
Sand, fine, and fine to coarse gravel	34 - 43	9			
Gneiss, granite	43 - 48	5			
MA 6 th. 413607N0722513.1. Bureau of Highways, Dept. of Transportation. Altitude 174 ft. Drilled 1956. Depth to water 6 ft.					
Loam	0 - 1.8	1.8			
Sand and coarse to fine gravel	1.8 - 8	6.2			
Sand, fine	8 - 40	32			
Sand, fine; little silt	40 - 46	6			
Silt, sand, and gravel; cemented (till?)	46 - 48	2			
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.					
Loam	0 - 1.5	1.5			
Sand, fine to medium; some gravel and silt	1.5 - 10.5	9			
Sand, fine, and silt	10.5 - 15	4.5			
Sand, medium to coarse; little gravel and silt	15 - 30	15			
Sand, medium; occasional cobbles (till?)	30 - 42	12			
Gneiss, granite	42 - 49	7			
MA 8 th. 413858N0722854.1. Bureau of Highways, Dept. of Transportation. Altitude 413 ft. Drilled 1962.					
Peat, fibrous	0 - 0.8	0.8			
Sand, fine to medium, dark gray; some silt	0.8 - 4	3.2			
Sand and silt, red-brown, layered with fine to medium gray sand ...	4 - 10	6			
Sand, fine to coarse, gray; little gravel; trace of silt (till?)	10 - 16.5	6.5			
No sample	16.5 - 18.5	2			
Refusal	at 18.5				
MA 9 th. 413903N0722906.1. Bureau of Highways, Dept. of Transportation. Altitude 423 ft. Drilled 1962. Depth to water 8 ft.					
Topsoil (fill)	0 - 0.8	0.8			
Sand, fine to coarse, red to brown; some coarse gravel (fill)	0.8 - 2.5	1.7			
Silt, black (topsoil); trace fine gravel	2.5 - 4.1	1.6			
Gravel, fine to medium, red to brown, and sand; trace silt	4.1 - 7	2.9			
Sand, coarse, red to brown; some fine to medium gravel; trace silt	7 - 12.2	5.2			
Sand and fine to medium, red to gray gravel; trace cobbles; trace silt	12.2 - 16.1	3.9			
Sand, fine to medium, tan; trace fine gravel	16.1 - 18.2	2.1			
Sand, fine to coarse, gray; trace fine gravel; trace silt	18.2 - 21	2.8			
Sand and coarse, gray gravel; trace cobbles; trace silt (till?)	21 - 23.6	2.6			
Rock, granite, hard, gray	23.6 - 33.5	9.9			
MA 11 th. 413843N0722853.1. Town of Marlborough. Altitude 420 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.					
Sand, very fine to medium; some coarse sand; trace silt	0 - 5	5			
Gravel	5 - 6	1			
Sand, fine to medium, with occasional coarse gravel layer	6 - 25	19			
Sand and gravel, interbedded	25 - 31	6			
Sand, very fine to very coarse; some silt; some very fine gravel; occasional pebbles	31 - 40	9			
Sand, very fine to very coarse, interbedded with very fine to fine gravels	40 - 50	10			
Weathered rock (blue), micaceous ..	50 - 53	3			
Refusal (rock)	at 53				
MA 13 th. 413838N0722612.1. Bureau of Highways, Dept. of Transportation. Altitude 288 ft. Drilled 1959. Depth to water 12 ft.					
Sand, medium, brown; some silt ...	0 - 10	10			
Sand, medium, and gravel; cobbles ..	10 - 18	8			
Sand, medium to coarse, and gravel; cobbles	18 - 28	10			
Rock, gray, some seams	28 - 36.5	8.5			
MA 14 th. 413839N0722611.1. Bureau of Highways, Dept. of Transportation. Altitude 278 ft. Drilled 1959. Depth to water 5 ft.					
Sand, red-brown, and cobbles	0 - 10.5	10.5			
Boulders	10.5 - 12.5	2			
Cobbles and sand	12.5 - 14	1.5			
Rock, gray	14 - 23	9			
MA 15 th. 413730N0722629.1. Bureau of Highways, Dept. of Transportation. Altitude 275 ft. Drilled 1961. Depth to water 0 ft. Drilled by W. A. Fisher Co.					
Peat, fibrous, black; little fine sand	0 - 5	5			
Sand, fine to coarse, gray; little peat	5 - 11	6			
Sand, fine to coarse, gray	11 - 16	5			
Silt, inorganic, gray; little fine sand	16 - 21.3	5.3			
Refusal	at 21.3				
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.					
Peat, fibrous, black	0 - 5	5			
Peat, fibrous, dark brown	5 - 10	5			
Silt, organic, dark brown; little fine to medium sand at 12 ft.	10 - 15	5			
Sand, medium to coarse, gray	15 - 17	2			
Silt, organic, dark brown	17 - 25	8			
Silt, soft, gray (inorganic)	25 - 29	4			
Sand, fine to coarse, light brown; some fine to medium gravel	29 - 32	3			
Sand, fine to coarse, light brown ...	32 - 34	2			
Bottom of hole	at 34				
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.					
Topsoil	0 - 1	1			
Sand, fine to coarse, brown; trace of fine to medium gravel; trace of silt	1 - 30	35			
Sand, fine, brown; trace of silt	36 - 41	5			
Rock, decomposed	41 - 42.5	1.5			
Gneiss, biotite granite, gray, slightly weathered	42.5 - 48	5.5			
Gneiss, biotite granite, hard, gray	48 - 51	3			
MA 18 th. 413638N0722559.1. Bureau of Highways, Dept. of Transportation. Altitude 252 ft. Drilled 1961. Depth to water 0 ft. Drilled by W. A. Fisher Co.					
Silt, organic, dark brown	0 - 5	5			
Sand, fine to coarse, gray; trace of fine gravel; trace of organic silt	5 - 11	6			
Sand, fine to coarse, gray; some organic silt; little fibrous organic matter; trace of fine gravel	11 - 16	5			
Sand, fine to medium, gray, and silt	16 - 21	5			
Sand, fine to coarse, light brown; little silt	21 - 26	5			
Sand, fine to coarse, light brown; some decomposed mica schist fragments	26 - 28	2			
Schist, biotite quartz; few small decomposed seams (sound rock) ..	28 - 33	5			
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.					
Sand, fine to medium, gray-brown; some silt; little coarse sand; little fine gravel (till)	0 - 5	5			
Sand, fine to medium, gray; some silt; trace of fine gravel; trace coarse sand (till)	5 - 10	5			
Sand, fine to coarse, gray; some gravel; little silt (till)	10 - 21	11			
Sand, fine to medium, gray; little coarse sand; little silt (till)	21 - 26	5			
Sand, fine to medium, gray; some coarse sand; little silt; few decomposed rock fragments (till) ..	26 - 37	1			
Sand, fine to medium, gray; some silt; little coarse sand; trace of medium gravel	37 - 40	3			
Bottom of hole	at 40				
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.					
Topsoil, sandy, brown; few roots	0 - 2.5	2.5			
Sand, fine to coarse, brown; little fine to medium gravel; trace of silt (till?)	2.5 - 15	12.5			
Sand, fine, gray-brown; little silt (till?)	15 - 19.5	4.5			
Cobbles and sand (blasted) (till?) ..	19.5 - 22	2.5			
Sand, fine, brown; little silt (till?)	22 - 28	6			
Sand, fine to coarse, gray; little silt (till?)	28 - 46.5	18.5			
Bottom of hole	at 46.5				
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.					
Topsoil, sandy, brown; few roots.	0 - 3	3			
Sand, fine to coarse, brown; little silt; trace of fine to medium gravel; few cobbles (till?)	3 - 51	48			
Bottom of hole	at 51				
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.					
Peat, silty, fibrous, dark brown..	0 - 3.5	3.5			
Silt, organic, gray	3.5 - 7.5	4			
Sand, fine to coarse; little fine to medium gravel; trace of silt (till?)	7.5 - 21	13.5			
Sand, fine, brown; little silt ...	21 - 21.5	.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 Marlborough--Cont.					
MB 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.					
Peat, fibrous, dark brown	0 - 6	6			
Peat, dark brown, changing to yellow- brown	6 - 10.5	4.5			
Silt, organic, dark gray-brown	10.5 - 15.5	5			
Silt, inorganic, very soft, dark gray	15.5 - 17.5	2			
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			
Sand, fine to coarse, tan; trace of fine gravel	23 - 27	4			
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			
Sand, fine to coarse, light brown; trace of silt	30 - 31.5	1.5			
MB 24 th. 413733N0722633.1. Bureau of Highways, Dept. of Transportation. Altitude 277 ft. Drilled 1961. Depth to water 0 ft. Drilled by W. A. Fisher Co.					
Sand, fine to coarse, gray; some black peat	0 - 5	5			
Sand, fine to coarse, gray	5 - 10	5			
Sand, fine to coarse, gray; some fine to medium gravel; trace of silt	10 - 16	6			
Sand, fine, gray; little fine to medium gravel	16 - 18	2			
Sand, fine to coarse, brown; trace of fine gravel	18 - 22	4			
Refusal	at 22				
MB 25 th. 413725N0722632.1. Bureau of Highways, Dept. of Transportation. Altitude 275 ft. Drilled 1960. Depth to water 0 ft. Drilled by W. A. Fisher Co.					
Peat, fibrous, dark brown; many roots	0 - 5	5			
Peat, fibrous, brown; little fine sand	5 - 7.3	2.3			
Sand, fine to coarse, light brown; trace of fine to medium gravel ..	7.3 - 15	7.7			
Sand, fine, light brown; little fine to coarse gravel	15 - 17	2			
Sand, fine, light brown	17 - 20	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			
MB 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.					
Peat, fibrous, black	0 - 15	15			
Peat, soft, decomposed, dark brown; few fibers	15 - 20	5			
Peat, very soft, decomposed, brown ..	20 - 32.3	12.3			
Sand, fine, gray; trace of silt	32.3 - 35	2.7			
Sand, fine to medium, gray-brown; trace of fine gravel	35 - 36	1			
Sand, fine to coarse, light brown; some fine to medium gravel; trace of coarse gravel; trace of silt (till?)	36 - 45.8	9.8			
Refusal	at 45.8				
MB 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 and fine to coarse, light brown gravel; trace of silt	0 - 15	15			
Sand, fine to coarse, tan	15 - 21	6			
Sand, fine, tan	21 - 25	4			
Sand, fine, gray-brown; little silt ..	25 - 43	18			
Sand, fine to medium, gray-brown and red-brown; little silt	43 - 53	10			
Sand, fine to coarse, gray; some fine gravel; little silt; little medium to coarse gravel (till?) ..	53 - 64	11			
Refusal	at 64				
MB 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.					
Peat, soft, fibrous, black	0 - 20	20			
Peat, decomposed, very soft, yellow- brown	20 - 34	14			
Sand, fine to coarse, gray, and silt; trace of fine gravel	34 - 37	3			
Sand, fine to coarse, light brown; some fine to medium gravel; trace of gray clay	37 - 39.5	2.5			
Sand, fine to medium, light brown; some fine to medium gravel	39.5 - 50	10.5			
Sand, fine to coarse, light brown; trace of fine gravel	50 - 54	4			
MB 28 th. 413717N0722626.1--Cont. Sand, fine, brown; little silt; little fine gravel (decomposed mica schist); probable top of root at 55.5 ft. ... 54 - 55.9 Refusal					
			54 - 55.9	1.9	
			at 55.9		
Town of Middlefield					
MF 1 th. 413036N0724238.1. City of Middletown. Altitude 147 ft. Drilled 1964. Depth to water 3 ft. Drilled by R. E. Chapman Co.					
Clay, loamy	0 - 1	1			
Clay, sandy	1 - 5	4			
Silt and clay	5 - 12	7			
Clay and sharp gravel (till?)	12 - 21	9			
Clay, firm, red	21 - 29	8			
Silt and clay	29 - 86	57			
Sand, fine	86 - 107	21			
Silt and sharp gravel (till?)	107 - 109	2			
Refusal	at 109				
MF 2 th. 413031N0724241.1. City of Middletown. Altitude 148 ft. Drilled 1964. Depth to water 1 ft. Drilled by R. E. Chapman Co.					
Peat and clay	0 - 1	1			
Sand, fine, and gravel	1 - 9	8			
Clay, firm, red	9 - 26	17			
Sand, fine, and clay	26 - 59	33			
Sand, fine; sharp gravel and clay (till?)	59 - 77	18			
Clay, firm, red, and sharp gravel ..	77 - 81	4			
Clay, firm, red	81 - 93	17			
Silt and clay	93 - 103	5			
Silt, fine sand, and sharp gravel (till?)	103 - 108	5			
Refusal, sharp, and hard clay (till?) ..	108 - 111	3			
Refusal	at 111				
MF 3 th. 413054N0724264.1. Midstate Planning Agency. Altitude 180 ft. Drilled 1964. Depth to water 21 ft. Drilled by Water Exploration and Development Corp.					
Sand, coarse, brown, and fine gravel ..	0 - 11	11			
Sand, silt, and small gravel	11 - 25	14			
Sandstone	25 - 27	2			
Town of Middletown					
MT 1 th. 413404N0723915.1. Bureau of Highways, Dept. of Transportation. Altitude 32 ft. Drilled 1935.					
Gravel and sand, red; some red clay ..	0 - 29	29			
Gravel, sand, and red clay	29 - 38	9			
Gravel, boulders, and red clay	38 - 46	8			
Gravel	46 - 60	14			
Sand and gravel, very hard	60 - 64	4			
Gravel	64 - 66	2			
Clay, red; very little sand	66 - 82	16			
Brownstone	82 - 87	5			
MT 2 th. 413405N0723913.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1935.					
Sand and gravel, red	0 - 6	6			
Sand and red clay	6 - 17	11			
Sand and gravel, red	17 - 28	11			
Gravel, hardpan (till?)	28 - 50	22			
Clay, red	50 - 62	12			
Sand, fine, hard, red	62 - 77.5	15.5			
Sand and gravel	77.5 - 104	26.5			
Brownstone	104 - 111	7			
MT 3 th. 413408N0723906.1. Bureau of Highways, Dept. of Transportation. Altitude 23 ft. Drilled 1935.					
Sand and red clay	0 - 17.5	17.5			
Sand and gravel, red	17.5 - 57	39.5			
Gravel, hardpan (till?)	57 - 68	11			
Sand, fine, hard, red	68 - 99	31			
Clay, red	99 - 107	8			
Sand and gravel, red	107 - 115	8			
Brownstone	115 - 121.5	6.5			
MT 4 th. 413410N0723856.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1935. Depth to water 0 ft.					
Water	0 - 18	18			
Sand, coarse	18 - 63	45			
Gravel and red clay (till?)	63 - 65	2			
Clay, red	65 - 96	31			
Sand, fine; some clay	96 - 97	1			
Gravel; some clay (till?)	97 - 101	4			
Brownstone	101 - 106	5			
MT 5 th. 413422N0723909.1. Bureau of Highways, Dept. of Transportation. Altitude 14 ft. Drilled 1957.					
Sand, brown, gravel, and cobbles (till?)	0 - 6	6			
Sand, brown, and silt	6 - 10	4			
Silt, tan	10 - 16	6			
Silt, gray	16 - 25	9			
Silt, gray; some wood chips	25 - 33	8			
Silt, gray and fine sand; woodchips Sand, fine to medium, brown, compact, and fine gravel; some silt; trace clay (till?)	33 - 39	6			
Clay, brown; fine gravel and fine sand; little silt (hardpan) (till?)	39 - 74	35			
Rock, soft, brown	74 - 114.5	40.5			
	114.5 - 125	10.5			
MT 6 th. 413610N0724206.1. Bureau of Highways, Dept. of Transportation. Altitude 10 ft. Drilled 1953. Depth to water 0 ft.					
Sand, medium to coarse; some gravel; little silt	0 - 1.5	1.5			
Gravel (fragments of boulder) and medium to coarse, brown sand	1.5 - 6.5	5			
Sand, medium to coarse, brown, and silt; some gravel (till?)	6.5 - 11.5	5			
Sand, fine to medium; brown silt; some gravel; rock fragments (till?)	11.5 - 16.5	5			
	16.5 - 25	8.5			
Sand, fine to medium, red-brown; some silt; little gravel (till?)	25 - 29	4			
Boulders	29 - 40	11			
Sand, fine to medium, brown; some silt; fragments of rock (till?) ..	40 - 44	4			
Rock, sandstone, solid	44 - 50	6			
MT 7 th. 413610N0724219.1. Bureau of Highways, Dept. of Transportation. Altitude 9 ft. Drilled 1953.					
Topsoil, silty, brown, and fine sand	0 - 3	3			
Sand, fine to medium, dark brown; some silt; some gravel; little decomposed rock (till?)	3 - 10	7			
Sand, fine to medium, brown; some silt; little gravel; cemented; boulders (till?)	10 - 20	10			
Boulders and cobbles (till?)	20 - 25	5			
Sand, fine to medium, brown; some silt; little gravel; cemented (till?)	25 - 28	3			
Boulders	28 - 35	7			
Sand, fine to medium, brown; some silt; some gravel; cemented (till?)	35 - 40	5			
Sand, fine to medium, brown, and silt; little cemented gravel (till?)	40 - 45	5			
Sand, fine to medium, brown, and silt; some cemented gravel (till?)	45 - 52	7			
Sandstone, hard, red	52 - 54	2			
Shale, medium hard, red	54 - 55	1			
MT 16 th. 413319N0723839.1. Bureau of Highways, Dept. of Transportation. Altitude 18 ft. Drilled 1947.					
Read bed	0 - 1.1	1.1			
Topsoil, silty; small cobbles	1.1 - 7	5.9			
Clinders and rubbish (fill)	7 - 14	7			
Silt and red clay; medium to coarse sand	14 - 21	7			
Silt, dark gray; woodchips	21 - 24	3			
Clay and silt, grayish-brown	24 - 30	6			
Clay, gray; little silt	30 - 33	3			
Gravel, sand, silt, and clay (till?)	33 - 37.1	4.1			
Brownstone, soft	37.1 - 40	2.9			
Brownstone, medium	40 - 43	3			
MT 17 th. 413043N0723556.1. Bureau of Highways, Dept. of Transportation. Altitude 414 ft. Drilled 1957.					
Topsoil, medium brown, and sand; some gravel	0 - 1.4	1.4			
Sand and very dense, brown gravel (till?)	1.4 - 6.2	4.8			
Rock, hard (white feldspar and mica porphyry with mica seams) ..	6.2 - 13.2	7			
Rock, granite, medium grained, gray	13.2 - 15.5	2.3			

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 27 th. 413418N0723912.1. 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.		
MT 19 th. 413044N0723556.1. Bureau of Highways, Dept. of Transportation. Altitude 402 ft. Drilled 1957. Depth to water 28 ft.			Sand, fine, and gravel 0 - 16	16		Sand 0 - 4	4	
Topsoli, medium brown, and sand; some gravel 0 - 2	2		Sand, fine, gravel, and boulders (till?) 16 - 25	9		Sand, gravel, and clay 4 - 7	3	
Cobbles and boulders 2 - 5	3		Sand and clay, hard-packed 25 - 39	14		Clay, gray, and silt 7 - 29	22	
Sand, fine to medium, brown, and silt 5 - 8.4	3.4		Sand, fine, and sharp gravel (till?) 39 - 42	3		Sand, brown, and fine gravel 29 - 40	11	
Sand, very dense, brown, and silt; little gravel (till?) 8.4 - 20.4	12		Hardpan and boulders (till?) 42 - 57	15		Sand, medium, gravel, and clay .. Sand, gravel, and clay, hard-packed, red at bottom (till?) 52 - 54.5	12	2.5
Sand and gravel, very dense, brown; little silt (till?) 20.4 - 23.8	3.4		Refusal at 57			Refusal at 54.5		
Rock, mica schist, soft, gray 23.8 - 26.7	2.9		MT 28 th. 413353N0724119.1. 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.		
Rock, granite, soft, gray 26.7 - 31.4	4.7		Sand, clay, and sharp gravel (till?) 0 - 4	4		Sand, medium, brown, and gravel 0 - 5	5	
Rock, feldspar and mica porphyry, soft white 31.4 - 38.7	7.3		Clay, soft, red 4 - 9	5		Sand, silty, gray, with streaks of gray clay 5 - 34	29	
MT 20 th. 413355N0724105.1. City of Middletown. Altitude 88 ft. Drilled 1964. Depth to water 0 ft. Drilled by R. E. Chapman Co.			Sand, fine, and sharp gravel (till?) 9 - 22	13		Sand, fine gray; small gravel and clay 34 - 38	4	
Sand, gravel, and clay (till?) 0 - 6	6		Sand, hard-packed, and sharp gravel (till?) 22 - 34	12		Sand, medium, brown, and gravel... Sand, fine, gray, and streaks of fine brown sand 42 - 47	4	5
Silt, sharp gravel, and clay (till?) 6 - 26	20		Hardpan (till?) 34 - 35	2		Sand, fine, brown, and small sharp gravel 47 - 60	13	
Clay, firm, red 26 - 30	4		Refusal at 35			Hardpan (till?) 60 - 62	2	
Gravel, medium, sharp (till?) 30 - 37	7		MT 29 th. 413124N0723750.1. City of Middletown. Altitude 93 ft. Drilled 1964. Drilled by R. E. Chapman Co.			Refusal at 62		
Sand and gravel, hard packed (till?) 37 - 40	3		Clay, soft 0 - 10	10		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.		
Refusal at 40			Clay, hard 10 - 40	30		Fill 0 - 6	6	
MT 21 th. 413344N0724112.1. City of Middletown. Altitude 99 ft. Drilled 1964. Depth to water 2 ft. Drilled by R. E. Chapman Co.			Sand, fine 40 - 45	5		Clay, sandy, gray; streaks of silt 6 - 21	15	
Sand, sharp, gravel, and clay (till?) 0 - 5	5		Clay, hard 45 - 55	10		Clay, sandy, hard, red, and small gravel 21 - 36	15	
Sand, fine, and clay 5 - 14	9		Hardpan (till?) 55 - 60	5		Sand, fine, red, and clay 36 - 41	5	
Sand, gravel, and gray clay (till?) 14 - 21	7		Sand, silty 60 - 65	5		Sand, fine, red, and small gravel 41 - 56	15	
Clay, firm, red 21 - 35	14		Sand, fine, and cobbles (till?) 65 - 70	5		Refusal at 56		
Sand, hard-packed, gravel, and clay (till?) 35 - 41	6		Sand and gravel, dirty (till?) 70 - 82	12		MT 40 th. 413139N0723754.1. City of Middletown. Altitude 87 ft. Drilled 1964. Depth to water +1 ft. Drilled by R. E. Chapman Co.		
Sand, fine to medium; sharp gravel (till?) 41 - 52	11		Refusal at 82			Loam 0 - 1	1	
Refusal at 52			MT 30 th. 413115N0723759.1. City of Middletown. Altitude 92 ft. Drilled 1964. Depth to water +4 ft. Drilled by R. E. Chapman Co.			Sand and gravel with clay (till?) 1 - 7	6	
MT 22 th. 413342N0724113.1. City of Middletown. Altitude 98 ft. Drilled 1964. Depth to water flow- ing. Drilled by R. E. Chapman Co.			Silt and clay 0 - 1	1		Sand and clay 7 - 16	9	
Sand, clay, and gravel (till?) 0 - 4	4		Clay, red, and sand 1 - 7	6		Clay, firm, red 16 - 30	14	
Sand, fine, and clay 4 - 17	13		Clay, firm, red, and sharp gravel (till?) 7 - 23	16		Sand, clay, and sharp gravel (till?) 30 - 46	16	
Clay, gray 17 - 20	3		Sand, fine, and sharp gravel (till?) 23 - 38	15		Sand, fine to medium 46 - 59	13	
Clay, firm, red, and gravel 20 - 33	13		Sand and sharp gravel, hard-packed (till?) 38 - 43	5		Silt, clay, and gravel (till?) 59 - 69	10	
Sand, gravel, and clay; hard-packed (till?) 33 - 40	7		Sand and sharp gravel, hard-packed (till?) 43 - 53	15		Bottom of hole at 69		
Sand, fine to medium, and gravel .. Sand, gravel, and clay; hard-packed (till?) 40 - 44	4		Refusal at 58			MT 41 th. 413108N0723742.1. City of Middletown. Altitude 103 ft. Drilled by R. E. Chapman Co.		
Sand, gravel, and clay; hard-packed (till?) 44 - 46	2		MT 31 th. 413414N0723912.1. City of Middletown. Altitude 20 ft. Drilled 1964. Drilled by R. E. Chapman Co.			Loam, clay 0 - 2	2	
MT 23 th. 413341N0724111.1. City of Middletown. Altitude 98 ft. Drilled 1964. Depth to water 4 ft. Drilled by R. E. Chapman Co.			Hardpan (till?) 0 - 20	20		Sand, fine, and gravel 2 - 17	15	
Sand, gravel, and clay (till?) 0 - 6	6		Sand, medium, and gravel; hardpan (till?) 20 - 30	10		Silt and firm clay 17 - 29	12	
Clay, firm, red, and gravel 6 - 17	11		Sand, fine, compact; hardpan (till?) 30 - 40	10		Clay, firm, red 29 - 40	11	
Clay, sandy, and sharp gravel (till?) 17 - 38	21		Hardpan (till?) 40 - 55	15		Sand, fine, sharp gravel, and clay (till?) 40 - 50	10	
Sand, fine to medium, gravel, boulder, and clay (till?) 38 - 48	10		Sand and gravel, dirty 55 - 65	10		Refusal at 50		
Sand, sharp gravel, and clay (till?) 48 - 50	2		Sand and medium to coarse gravel, dirty 65 - 85	20		MT 42 th. 413108N0723801.1. City of Middletown. Altitude 101 ft. Drilled 1964. Depth to water 1 ft. Drilled by R. E. Chapman Co.		
Refusal at 50			Sand, medium, clean, and cobbles .. Sand and gravel; hardpan (till?) 85 - 90	5		Loam 0 - 1	1	
MT 24 th. 413128N0723751.1. City of Middletown. Altitude 90 ft. Drilled 1964. Depth to water +4 ft. Drilled by R. E. Chapman Co.			Sand and gravel; hardpan (till?) 90 - 105	15		Sand, gravel, and clay 1 - 5	4	
Loam 0 - 1	1		Hardpan (till?) 105 - 110	5		Sand, fine, and clay 5 - 21	16	
Sand, fine, gravel, and clay (till?) 1 - 22	21		Refusal at 110			Clay, red 21 - 38	17	
Sand, medium, and sharp gravel (till?) 22 - 34	12		MT 32 th. 413410N0723914.1. City of Middletown. Altitude 28 ft. Drilled 1964. Drilled by R. E. Chapman Co.			Sand, fine, and sharp gravel 38 - 44	6	
Sand, gravel, and clay (till?) 34 - 40	6		Clay 0 - 10	10		Sand, fine, and gravel 44 - 59	15	
Sand and gravel 40 - 61	21		Clay, soft 10 - 30	20		Sand and gravel 59 - 63	4	
Refusal at 61			Hardpan (till?) 30 - 40	10		Sand and gravel, hard packed (till?) 63 - 64	1	
MT 25 th. 413130N0723757.1. City of Middletown. Altitude 88 ft. Drilled 1964. Depth to water +3 ft. Drilled by R. E. Chapman Co.			Ledge 40 - 113	73		Refusal at 64		
Loam 0 - 0.5	0.5		MT 33 th. 413043N0723803.1. City of Middletown. Altitude 127 ft. Drilled 1964. Drilled by R. E. Chapman Co.			MT 43 th. 413430N0723758.1. City of Middletown. Altitude 85 ft. Drilled 1964. Drilled by R. E. Chapman Co.		
Sand and clay 0.5 - 4	3.5		Loam 0 - 1	1		Loam 0 - 1	1	
Clay, red 4 - 24	20		Sand, gravel, clay, and boulders (till?) 1 - 6	5		Sand 1 - 3	2	
Sand, fine, and gravel 24 - 28	4		Clay, hard, and gravel (till?) 6 - 25	19		Sand and gravel, hard packed (till?) 3 - 12	9	
Sand, fine, and sharp gravel with clay (till?) 28 - 35	7		Sand, gravel, and clay (till?) 25 - 37	12		Sand, fine, and sharp gravel; trace clay (till?) 12 - 27	15	
Refusal at 35			Silt and sharp gravel (till?) 37 - 43	6		Clay, red 27 - 39	12	
MT 26 th. 413126N0723754.1. City of Middletown. Altitude 92 ft. Drilled 1964. Depth to water +3 ft. Drilled by R. E. Chapman Co.			Refusal at 43			Silt and clay 39 - 45	6	
Loam 0 - 1	1		MT 34 th. 413058N0723800.1. City of Middletown. Altitude 130 ft. Drilled 1964. Depth to water 28 ft. Drilled by R. E. Chapman Co.			Sand and gravel 45 - 61	16	
Sand, fine, and clay 1 - 6	5		Loam 0 - 1	1		Hardpan (till?) 61 - 64	3	
Sand, fine, gravel, and clay (till?) 6 - 27	21		Sand and gravel, hard packed (till?) 1 - 5	4		Refusal at 64		
Clay, red 27 - 40	13		Sand, clay, and sharp gravel (till?) 5 - 21	16				
Silt, clay, and sharp gravel (till?) 40 - 48	8		Sand, fine, and clay 21 - 51	30				
Clay, red 48 - 54	6		Sand and sharp gravel 51 - 54	3				
Sand, medium, and sharp gravel (till?) 54 - 64	10		Silt and clay 54 - 65	11				
Sand, fine, clay, and sharp gravel (till?) 64 - 70	6		Sand, fine, and sharp gravel 65 - 72	7				
Refusal at 70			Sand, fine to medium 72 - 81	9				
			Refusal at 81					

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 57 th (formerly MT 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.			MT 110 th (formerly MT 242). 413320N0723456.1. Hartford Electric Light Co. Altitude 24 ft. Drilled 1951. Drilled by Raymond Pile Co.		
MT 44 th. 413108N0723750.1. City of Middletown. Altitude 99 ft. Drilled 1964. Depth to water +2 ft. Drilled by R. E. Chapman Co.			Gravel, silt, and brown sand	0 - 5	5	Fill, sand, gravel, boulders, and cement blocks	0 - 7	7
Loam	0 - 1	1	Sand, silt, and brown gravel	5 - 15	10	Sand, fine to coarse, reddish-brown; some fine to medium gravel;		
Sand, gravel, and clay; hardpacked (till?)	1 - 4	3	Gravel, silt, and brown sand	15 - 20	5	ce-mented	7 - 10	3
Sand and gravel, gray	4 - 7	3	Till	20 - 24.3	4.3	Sand, fine to coarse, reddish-brown; some fine to coarse gravel; trace of clay; boulders	10 - 45	35
Sand, fine, and clay	7 - 18	11	Gneiss	24.3 - 36.2	11.9	Sand, fine to coarse, reddish-brown; sharp	45 - 55	10
Clay, firm, red	18 - 34	16				Sand, gravel, and boulders	55 - 65	10
Sand, gravel, and clay; hard packed (till?)	34 - 40	6	MT 72 th (formerly MT 189). 413226N0723347.1. Pratt and Whitney Aircraft Corp. Altitude 127 ft. Drilled 1955. Depth to water 9 ft. Drilled by U.S. Army Corps of Engineers.			Sand, gravel, and boulders, ce-mented	65 - 69	4
Sand, medium	40 - 46	6	Topsoil, no sample	0 - 1	1	Refusal	at 69	
Sand, medium, gravel, and clay; hardpacked (till?)	46 - 60	14	Sand, fine to medium, and brown silt with roots	1 - 2	1			
Refusal	at 60		Sand, fine to coarse, and brown silt	2 - 10	8	MT 111 th (formerly MT 243). 413317N0723458.1. Hartford Electric Light Co. Altitude 50 ft. Drilled 1951.		
			Sand, silt, and brown gravel	10 - 15	5	Topsoil, loamy sand	0 - 2.5	2.5
MT 45 th. 413114N0723752.1. City of Middletown. Altitude 95 ft. Drilled 1964. Depth to water 8 ft. Drilled by R. E. Chapman Co.			Sand, fine to coarse, brown, and silt	15 - 20	5	Sand, fine to coarse, hard, yellow, and boulders	2.5 - 5.5	3
Loam	0 - 2	2	Silt and brown sand	20 - 25	5	Sand, gravel, and boulders, ce-mented (till)	5.5 - 11.5	6
Gravel and clay (till?)	2 - 5	3	Sand, fine to medium, and brown silt	25 - 27	2	Refusal	at 11.5	
Sand and clay	5 - 14	9	Sand, gravel, and brown silt (till)	27 - 29.3	2.3			
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 (till?)	62 - 64	2						
Refusal	at 64							
			MT 73 th (formerly MT 190). 413225N0723343.1. Pratt and Whitney Aircraft Corp. Altitude 130 ft. Drilled 1955. Depth to water 21 ft. Drilled by U.S. Army Corps of Engineers.					
MT 50 th. 413226N0723836.1. Bureau of Highways, Dept. of Transportation. Altitude 3 ft. Drilled 1953.			Sand, silt, and brown gravel (till?)	0 - 11.2	11.2			
Sand, fine to medium, and silt, with wood chips (till?)	0 - 7	7	Gneiss with pagmatic zones	11.2 - 20.6	9.4			
Sand, fine to medium, and silt	7 - 10	3						
Silt, dark gray, with wood chips	10 - 19	9	MT 77 th (formerly MT 194). 413229N0723345.1. Pratt and Whitney Aircraft Corp. Altitude 123 ft. Depth to water 5 ft. Drilled by U.S. Army Corps of Engineers.					
Silt, grayish-brown, and clay	19 - 24	5	Topsoil	0 - 0.6	0.6			
Sand, medium, silt, and clay	24 - 30	6	Sand, fine to coarse, and brown silt	0.6 - 2	1.4			
woodchips and leaves	30 - 35	5	Sand, fine to coarse, brown, and gravel	2 - 5	3			
Gravel, sand, silt, and clay (till?)	35 - 41	6	Sand, gravel, and brown silt	5 - 10	5			
Shale, soft, red	41 - 50	9	Sand, silt, and brown gravel	10 - 15	5			
			Sand, gravel, and brown silt	15 - 19	4			
			Silt and brown sand	19 - 22	3			
			Sand, medium to coarse, and brown silt	22 - 23	1			
			Silt and sand	23 - 23.3	.3			
			Refusal	at 23.3				

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 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.		
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.			Sand, very fine to medium, silty, red-brown			0 - 4 4		
Sand, fine to medium, and silt			Silt, clay, and very fine, red-brown			4 - 6 2		
with organics			sand			6 - 10 7		
Sand, medium to coarse, and silt			Silt, clayey, red-brown			10 - 13 3		
Sand, fine to coarse			Silt, red-brown; some very fine sand			13 - 14 1		
Sand and silt			Gravel and sand, silty, very fine to medium, red-brown			14 - 29 15		
Sand, coarse, silt, and gravel (till-like)			Sand, very fine to fine, red-brown; some silt; sparse granules			29 - 38 9		
Sand, silt, and gravel			Clay, silty, red-brown			38 - 50 12		
Till or till-like			Silt, clayey			50 - 54 4		
Gravel, silt, and sand			Sand			54 - 60 6		
Sand, silt, and gravel, till-like			Gravel and medium to very coarse sand with silt			60 - 63 3		
Sand, medium to coarse, and silt			Gravel, medium to coarse, and coarse sand			at 63		
Gravel, silt, and sand (till-like)			Refusal			MT 127 th. 413313N0723414.1. CANEL. Altitude 16 ft. Drilled 1955. Depth to water 10 ft. Drilled by U.S. Army Corps of Engineers.		
Sand, medium to coarse, silt, and gravel (till-like)			Sand, medium, gravel, and silt with organics			0 - 2 2		
Sand, fine to coarse, and gravel			Silt and sand with organics			2 - 5 3		
Granite, fine grained, gray; frequent low to medium angle, stained joints			Sand, medium to coarse, and silt ..			5 - 22 17		
65.4 - 74.6			Sand, medium to coarse, silt, and gravel			22 - 25 3		
9.2			Gravel and sand			25 - 31.5 6.5		
MT 118 th (formerly MT 312). 413254N0723351.1. Pratt and Whitney Aircraft Corp. Altitude 140 ft. Drilled 1955. Depth to water 6 ft. Drilled by U.S. Army Corps of Engineers.			Sand, medium, and silt			31.5 - 35 3.5		
Sand, fine to medium, and silt;			Sand, fine to coarse, silt, and gravel			35 - 42.5 7.5		
brown with organics			Sand, medium to coarse, and silt ..			42.5 - 45 2.5		
Sand, fine to medium, silt, and gravel, reddish-brown with organics			Sand, medium, silt, and gravel (till-like)			45 - 46 1		
0.5 - 3.2			Refusal			at 54		
Gravel, silt, and sandy reddish- brown			MT 129 th (formerly MT 259). 413318N0723446.1. Hartford Electric Light Co. Altitude 19 ft. Drilled 1952. Depth to water 19 ft. Drilled by S. B. Church Co.			0 - 42 42		
3.2 - 12			Sand, dirty, red, clay, and silt ...			42 - 49 7		
Sand, fine to coarse, silt, and gravelly reddish-brown			Sand, dirty, red, and clay; some gravel			49 - 77 28		
12 - 17.7			Gravel, coarse, good			MT 130 th. 413312N0723415.1. Pratt and Whitney Aircraft Corp. Altitude 20 ft. Drilled 1952. Drilled by E. H. Martley.		
Sand, fine to medium, and silt;			MT 130 th. 413312N0723415.1. Pratt and Whitney Aircraft Corp. Altitude 20 ft. Drilled 1952. Drilled by E. H. Martley.			0 - 4 4		
brown			Topsoil			0 - 4 4		
Sand, fine to coarse, silt, and gravelly brown (till-like)			Gravel, bank run, unconsolidated, and red sand			4 - 39 35		
19 - 23.5			Gravel, water bearing			39 - 49 10		
Gneiss, granite, cored			Ledge, sandstone (gneiss?)			49 - 54 5		
23.5 - 33.5			MT 132 th (formerly MT 238). 413308N0723358.1. Pratt and Whitney Aircraft Corp. Altitude 10 ft. Drilled 1953. Drilled by Layne-New York.			0 - 27 27		
MT 120 th. 413203N072338.1. City of Middletown. Altitude 90 ft. Drilled 1953. Drilled by Layne-New York.			Sand, fine, gray, and clay			27 - 32 5		
Topsoil			Sand, coarse			32 - 36 4		
Gravel and sand			Sand, fine, brown			36 - 40 4		
Clay, red			Sand, fine, brown; some gravel			40 - 45 5		
Gravel and sand			Sand, fine, brown, with clay			45 - 48 3		
Clay, red (compact)			Sand, fine, yellow			48 - 50 2		
Gravel, pea size (medium), angular to subrounded sand, silt, and clay (till-like)			Sand, fine, and clay			50 - 55 5		
49 - 60			Sand, fine to coarse, yellow			55 - 58 3		
Gravel, angular to subrounded, and small cobbles; some sand and silt (not as dirty as above) (till-like) ..			Sand, fine to coarse, with clay ..			58 - 60 2		
60 - 67			Sand, coarse, and clay			60 - 65 5		
Hardpan, cemented and compact ..			Ledge, grayish rock (granite gneiss?)			65 - 66 1		
at 83			MT 133 th (formerly MT 240). 413322N0723455.1. Hartford Electric Light Co. Altitude 11 ft. Drilled 1951. Drilled by Raymond Pile Co.			0 - 1 1		
MT 121 th. 413151N072356.1. City of Middletown. Altitude 80 ft. Drilled 1956. Drilled by S. B. Church Co.			Loam			1 - 5 4		
Sand, coarse, and coarse gravel			Sand, gravel, and boulders			5 - 11 6		
Sand, fine, red, and gravel with clay (till-like)			Sand, sharp, yellow; little fine gravel			11 - 16 5		
7 - 15			Sand, coarse, gravel, and boulders			16 - 21 5		
Sand, fine, red			Silt; little sand			21 - 24 3		
Sand, fine, and gravel			Woody, decayed			24 - 29 5		
Gravel, coarse, and fine sand			Sand, fine, gray			29 - 35 6		
Sand, fine, and clay			Sand, fine; little clay			35 - 43 8		
Hardpan, rock, or boulders (till-like)			Sand, coarse; little fine gravel			43 - 47 4		
44 - 54			Sand, fine, gray			47 - 52 5		
MT 122 th. 413210N0723807.1. City of Middletown. Altitude 79 ft. Drilled 1956. Drilled by S. B. Church Co.			Sand, fine, yellow			52 - 66 14		
Clay, red			Sand, yellow, gravel, and boulders			66 - 71 5		
Gravel and hardpan (till-like)			Sand and coarse gravel, yellow ...			71 - 74.5 3.5		
Clay and hardpan (till-like)			Bottom of hole			at 74.5		
Hardpan (till-like)			MT 135 th (formerly MT 252). 413316N0723426.1. Hartford Electric Light Co. Altitude 16 ft. Drilled 1951. Drilled by Raymond Pile Co.			0 - 1 1		
Ledge (sandstone?)			Topsoil (loamy sand)			0 - 2.5 2.5		
72 - 75			Sand, fine, red			2.5 - 4 1.5		
MT 124 th. 41316N0723747.1. City of Middletown. Altitude 85 ft. Drilled 1952. Drilled by Layne-New York.			Sand, fine, red, gravel, and boulders			4 - 13 9		
Topsoil			Sand, gravel, and boulders			13 - 19.5 6.5		
Sand, red, and gravel; bits of clay			Sand, sharp, yellow; little fine gravel			at 19.5		
2 - 9			Sand, coarse, gravel, and boulders			MT 135 th (formerly MT 252). 413316N0723426.1. Hartford Electric Light Co. Altitude 16 ft. Drilled 1951. Drilled by Raymond Pile Co.		
Clay, red; some gravel			Silt; little sand			Loam		
Sand, red, and clay; some gravel			Woody, decayed			0 - 1 1		
Sand, fine to medium, red			Sand, fine, gray			1 - 10.5 9.5		
Sand, fine, red, and gravel			Sand, coarse			Sand, gravel, and boulders; cemented		
49 - 66			Sand, fine, brown			10.5 - 15.5 5		
Bottom of hole			Sand, fine, brown; some gravel			Sand, sharp, red, gravel, and boulders		
at 66			Sand, fine, brown, with clay			15.5 - 20.5 5		
MT 125 th. 413344N0724446.1. Henry Balsselaat. Altitude 250 ft. Drilled 1972. Depth to water 8 ft. Drilled by U.S. Geol. Survey.			Sand, fine, yellow			Sand, gravel, and boulders; cemented		
Loam, silty, black			Sand, yellow, gravel, and boulders			20.5 - 25.5 5		
Loam, gravelly, black			Sand and coarse gravel, yellow ...			Sand, coarse, red, gravel, and boulders		
Gravel, fine to coarse, and very fine to very coarse, brown sand (till-like)			Bottom of hole			25.5 - 40.5 15		
8 - 20			at 74.5			Sand, sharp, red, gravel, and boulders		
Gravel, fine, and brown sand; fewer pebbles than above (till-like)						40.5 - 50.5 10		
Gravel, coarse, sand, silt, and clay, gray to brown (large cobble at 45 ft)						Sand, fine, red		
35 - 51						50.5 - 57.5 7.5		
Refusal (bedrock)						Sand, gravel, and boulders; cemented		
at 51						57.5 - 65 7.5		
						MT 137 th. 413328N0723821.1. City of Middletown. Altitude 9 ft. Drilled 1964. Drilled by R. E. Chapman Co.		
						Fill		
						Sand, silty, gray, and clay		
						Clay, firm, red, and sharp gravel		
						Sand, compact, red, and clay		
						Sand, fine, red, and clay		
						Refusal		
						MT 138 th. 413330N0723842.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1948.		
						Gravel, cobbles, sand, and silt ..		
						Sand, fine to medium, and silt ..		
						Silt, red, and clay		
						Clay, red		
						Gravel, sand, silt, and clay; red (till-like)		
						Sand, fine to medium, silt, and clay (till-like)		
						Gravel, sand, and clay (till-like) ..		
						Rock, brownstone, soft		
						Rock, brownstone, medium hard ..		
						MT 139 th. 413325N0723840.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1948.		
						Fill, coal, clinders, and rubbish		
						Fill; boulders, cobbles, and gravel		
						Fill, sand		
						Sand, fine, silt, and clay; decayed wood		
						Clay, red, fine sand, and cobbles ..		
						Clay, red to brown		
						Sand, fine and medium; some clay ..		
						Gravel, medium, red, and sand; some clay (till-like)		
						Rock, brownstone		
						MT 140 th. 413313N0723847.1. Bureau of Highways, Dept. of Transportation. Altitude 5 ft. Drilled 1971.		
						Topsoil; sand; roots		
						Sand, red; little peat		
						Sand and gravel, red		
						Hardpan and soft rock		
						Rock, brownstone		
						MT 141 th. 413301N0723704.1. Larrabee & Warners Inc. Altitude 50 ft. Drilled 1953. Depth to water flowing. Drilled by George Erlanson.		
						(till-like)		
						Sandstone and shale with zone of gouge showing slicken sided surfaces between 572 - 573 ft.		
						MT 144 th. 413329N0723838.1. Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1947.		
						Sand, red, with clay and silt		
						Clay, gray and red-brown; silt; little fine sand; decayed vege- table matter		
						Sand, fine to medium, red-brown, silt, and clay; sand content increases with depth; decayed vegetable matter		
						Silt and clay, gray and red-brown, with fine to medium sand		
						Gravel, sand, silt, and clay; red-brown (till-like)		

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 145 th. 413329N0723837.1. Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1947.			MT 152 th. 413257N0723804.1. Bureau of Highways, Dept. of Transportation. Altitude 50 ft.			MT 160 th (formerly MT 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, and gravel, brown and gray; few cobbles;	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	Silt; organic material	17 - 24	7	Silt and very fine to very coarse sand	32 - 42	10
Silt, medium stiff, gray	7 - 12	5	Sand, fine to medium, brown, and silt; organic material	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	Rock			Silt and clay; little sand	64 - 83	19
Silt, medium stiff, gray	13.5- 24	10.5	MT 153 th. 413202N0723759.1. City of Middletown Water Dept. Altitude 80 ft. Drilled 1948. Drilled by F. A. Sullivan.			Sand, very fine to very coarse, and granule to pebble gravel	83 - 96.5	13.5
Sand, fine to medium, and silt	24 - 27	3	Gravel and clay	0 - 5	5	Gneiss, granite	96.5- 97	5
Sand, fine, and gray silt	27 - 36.5	9.5	Clay, soft, red	5 - 68	63			
Gravel, sand, silt, and clay; red- brown (till?)	36.5- 39	2.5	Ledge	at 68				
MT 146 th. 413045N0723515.1. Bureau of Highways, Dept. of Transportation. Altitude 351 ft. Drilled 1956. Depth to water 7 ft.			MT 154 th (formerly MT 305). 413257N0723337.1. Pratt and Whitney Aircraft Corp. Altitude 35 ft. Drilled 1956. Depth to water 18 ft. Drilled by R. E. Chapman Co.			Sand, fine, red-brown, and silt; little fine gravel; trace of cobbles; trace of clay	0 - 3.5	3.5
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...	3.5- 5.3	1.8
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	Silt, red-brown; little fine gravel; little fine sand and coarse sand; cobbles (glacial till?)	5.3- 13.8	8.5
Bottom of hole	at 35		Gravel, granule to pebble (up to 30 mm in diameter); very fine to very coarse sand and silt; clay; till- like in part	30 - 50	20	Sandstone, arkosic, brown, and siltstone	13.8- 24	9.2
MT 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; some pebble gravel (up to 30 mm in diameter); reddish-brown	50 - 60	10	Bottom of hole	at 24	
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	MT 164 th. 413339N0723958.1. Bureau of Highways, Dept. of Transportation. Altitude 3 ft. Drilled 1959.		
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 - 83	23	Sand, coarse, red-brown, and fine gravel; little fine sand and silt; cobbles; boulders	0 - 3.5	3.5
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 83		Silt and clay, red-brown; little fine sand	3.5- 9	5.5
Sand, coarse, brown, silt, and clay (hardpan) (till?)	16 - 23.5	7.5				Sand, fine, red-brown, and coarse sand; little fine gravel; little silt (glacial till?)	9 - 15.8	6.8
Bottom of hole	at 23.5		MT 156 th (formerly MT 329). 413333N0723741.1. City of Middletown. Altitude 9 ft. Drilled 1964. Depth to water 8 ft. Drilled by R. E. Chapman Co.			Siltstone and gray arkosic sand- stone	15.8- 18.5	2.7
MT 148 th. 413057N0723428.1. Bureau of Highways, Dept. of Transportation. Altitude 258 ft. Drilled 1956. Depth to water 9 ft.			Clay, firm, gray	0 - 3	3	Siltstone, brown	18.5- 25.5	10
Topsoil	0 - 2	2	Silt, gray, with streaks of soft gray clay	3 - 34	31	Bottom of hole	at 25.5	
Gravel, brown, sand, silt, and cobbles (till?)	2 - 5	3	Sand, fine, gray, and sharp gravel; trace of clay	34 - 47	13	MT 167 th. 413338N0723957.1. Bureau of Highways, Dept. of Transportation. Altitude 8 ft. Drilled 1959.		
Sand, fine to medium, brown; little silt; trace of fine gravel, coarse sand, and clay; medium loose (till?) ..	5 - 10	5	Sand, fine to medium, brown, and gravel; some clay	47 - 58	11	Silt, red-brown; trace of sand and gravel; few cobbles; roots (till?)	0 - 2	2
Sand, fine to medium, brown; little silt; trace of fine gravel, coarse sand, and clay; some small cobbles (till?)	10 - 14	4	Refusal	at 58		Silt, red-brown; trace of fine sand; trace of clay	2 - 3	1
Gravel, brown, sand, and silt; trace of clay (hardpan) (till?)	14 - 16	2	MT 157 th (formerly MT 330). 413330N0723719.1. City of Middletown. Altitude 9 ft. Drilled 1953. Depth to water 6 ft. Drilled by R. E. Chapman Co.			Sand, fine to coarse, red-brown; little silt; little fine gravel; cobbles (glacial till?) ..	3 - 5	2
Bottom of hole	at 16		Sand, medium, and clay	0 - 4	4	Sandstone, brown, and gray shale ..	5 - 9.2	4.2
MT 149 th. 413108N0723421.1. Bureau of Highways, Dept. of Transportation. Altitude 235 ft. Drilled 1956. Depth to water 10 ft.			Clay, soft, gray	4 - 28	24	Siltstone, brown, and gray shale ..	9.2- 19.5	10.3
Topsoil	0 - 2.5	2.5	Sand, silty, gray	28 - 33	5	Bottom of hole	at 19.5	
Sand, medium, brown, and gravel; some silt and cobbles (till?)	2.5- 7.5	5	Sand, fine to medium, and sharp red gravel	33 - 36	3	MT 168 th. 413604N0724142.1. Bureau of Highways, Dept. of Transportation. Altitude 6 ft. Drilled 1961.		
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, red, sharp gravel, and clay; compact (till?)	36 - 54	18	Silt, red, brown; trace of fine and coarse sand; trace of gravel and cobbles; roots (till?)	0 - 7	7
Sand, medium to coarse, brown	11.5- 15	3.5	Refusal	at 54		Silt, red, brown, and clay; trace of gravel; trace of fine to coarse sand (glacial till?) ..	7 - 16	9
Gravel, brown; little fine to coarse sand; trace of silt; trace of clay; very dense (till?) ..	15 - 20	5	MT 158 th (formerly MT 310). 413259N0723344.1. Pratt and Whitney Aircraft Corp. Altitude 57 ft. Drilled 1956. Drilled by R. E. Chapman Co.			Boulder	16 - 17	1
Bottom of hole	at 20		Sand, fine to very coarse, and granule gravel; few cobbles	0 - 22	22	Silt, red, brown; trace of clay and fine to coarse sand; little gravel with cobbles (glacial till?)	17 - 46	29
MT 150 th. 413139N0723401.1. Bureau of Highways, Dept. of Transportation. Altitude 118 ft. Drilled 1956.			Silt and very fine to very coarse sand	22 - 43	21	Shale, brown	46 - 51	5
Gravel, sand, silt, and cobbles (till?)	0 - 8	8	Silt and clay	43 - 74	31			
Gravel, cobbles, and fine sand (till?)	8 - 14	6	Silt, clay, and very fine to medium sand (till?)	74 - 80	6	MT 169 th. 413610N0724219.1. Bureau of Highways, Dept. of Transportation. Altitude 12 ft. Drilled 1963.		
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	Topsoil, brown	0 - 0.5	0.5
Gravel, fine to coarse; trace of fine to coarse sand; trace of silt; trace of clay (hardpan) (till?)	16 - 18.5	2.5	Gneiss	at 87		Sand, fine, brown, and silt	0.5- 3	2.5
Bottom of hole	at 18.5		MT 159 th (formerly MT 311). 413253N0723331.1. Pratt and Whitney Aircraft Corp. Altitude 70 ft. Drilled 1956. Depth to water 66 ft. Drilled by R. E. Chapman Co.			Sand, fine to medium, red-brown, and silt; little gravel (ce-anted); gray traprock boulders and cobbles (till?) ..	3 - 38.8	35.8
MT 151 th. 413258N0723903.1. Bureau of Highways, Dept. of Transportation. Altitude 46 ft. Depth to water 1 ft.			Sand, very fine to very coarse, and granule to pebble gravel; few cobbles	0 - 82	82	Sandstone, red-brown	38.8- 41.8	3
Sand, fine, with medium sand; few boulders	0 - 13	13	Silt, very fine to very coarse sand, and granule gravel; few pebbles; cobbles at 145 ft (till?)	82 - 145	63			
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						

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			OL 28 th. 411910N0722042.1. Bureau of Highways, Dept. of Transportation. Altitude 4 ft. Drilled 1946.			OL 39 th. 412126N0721901.1. Town of Old Lyme. Altitude 55 ft. Drilled 1972. Depth to water 8 ft. Drilled by U.S. Geol. Survey.		
Na 8 th. 413950N0724825.1. Bureau of Highways, Dept. of Transportation. Altitude 219 ft. Drilled 1964. Depth to water 10 ft.			Sand, gravel, and boulders	0 - 4	4	Fill	0 - 3	3
Topsoil, brown	0 - 1	1	Sand, coarse, brown; some gravel ...	4 - 29	25	Gravel, dirty, cobbly	3 - 9	6
Clinders, sand, gravel, and cobbles (fill)	1 - 3	2	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
Sand, fine to coarse, red to brown; some gravel; some silt; few cobbles	3 - 10	7	Sand, brown, silt, and gravel (fill?) ..	43 - 49	6	Till, sandy, gravelly, gray (very hard below 35 ft.)	33 - 46	13
Boulder	10 - 11	1	Rock	49 - 54	5	Refusal	at 46	
Sand, fine to coarse, red to brown; some gravel; some silt; cobbles (fill)	11 - 15	4	OL 30 th. 411911N0722039.1. Bureau of Highways, Dept. of Transportation. Altitude 60 ft. Drilled 1946.			OL 40 th. 411845N0721815.1. Lester Stone. Altitude 10 ft. Drilled 1972. Depth to water 11 ft. Drilled by U.S. Geol. Survey.		
Boulder	15 - 16	1	Topsoil	0 - 2.9	2.9	Sand, very fine to medium	0 - 2	2
Sand, fine to coarse, red to brown; some gravel; some silt; trace clay; cobbles (fill)	15 - 16	1	Gravel, fine; some granite cobbles (fill?)	2.9 - 16.2	13.3	Gravel, very fine to medium, and layered sand; some silt to very coarse sand matrix (predomi- nantly sand)	2 - 45	43
Sand, fine, red, and silt; stratified	16 - 38	22	Gravel; small boulders; layers of hardpan; some silt (fill?)	16.2 - 23	6.8	Till, sandy, orange-brown, very tight	45 - 52	7
Refusal	at 45		Sand, fine, and boulders (fill?)	23 - 28	5	Refusal	at 52	
NB 9 th. 413945N0722823.1. Bureau of Highways, Dept. of Transportation. Altitude 232 ft. Drilled 1964. Depth to water 9 ft.			Gravel and boulders (fill?)	28 - 35	7			
Topsoil, brown	0 - 3	3	Gravel, fine; trace silt (fill?)	35 - 51.2	16.2			
Sand, fine to coarse, red to brown; some gravel; some silt; few cobbles (fill)	3 - 6	3	Bottom of hole	at 51.2				
Rock, basalt	6 - 16	10	OL 32 th. 411818N0721948.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1959. Depth to water 15 ft.			OL 41 th. 412001N0721848.1. Richard Haske. Altitude 33 ft. Drilled 1972. Depth to water 5 ft. Drilled by U.S. Geol. Survey.		
Town of Old Lyme			Fill, traprock and clinders	0 - 1	1	Topsoil, loam, black	0 - 1	1
OL 19 th. 411845N0722015.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1958. Depth to water 0 ft.	0 - 1	1	Fill, clinders and sand	1 - 8	7	Gravel, very fine, sandy; some silt	1 - 11	10
			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
Sand, fine, gray to tan; some silt ..	31 - 48.5	17.5	Sand, fine, gray; trace silt	35 - 50	15	Sand, very fine to fine, and silt (silt is in $\frac{1}{2}$ in. layers every 4-5 in.; varves)	36 - 51	15
Silt, red to brown, and gray to tan, stratified very fine sand	48.5 - 68	19.5	Sand, fine, gray; some silt	50 - 65	15	Till, sandy, gray	51 - 55	4
Sand, fine to coarse, gray to tan; trace silt; trace gravel	68 - 77.5	9.5	Silt, stratified, brown to gray;	65 - 80	15	Refusal	at 55	
Rock, decomposed to soft granite ...	77.5 - 87.5	10	Sand, fine to medium, gray	80 - 94	14			
OL 21 th. 411823N0721949.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1959. Depth to water 0 ft.			Rock, gray, granite gneiss	94 - 100	6	OL 42 th. 411958N0721922.1. H. C. Clark. Altitude 30 ft. Drilled 1972. Depth to water 12 ft. Drilled by U.S. Geol. Survey.		
Water	0 - 2	2	OL 34 th. 411923N0721940.1. Bureau of Highways, Dept. of Transportation. Altitude 23 ft. Drilled 1947.			Gravel, sandy; some silt	0 - 10	10
Silt, gray to brown; some fine sand ..	2 - 11.5	9.5	Topsoil, loam	0 - 0.6	0.6	Gravel, coarse	10 - 11	1
Peat	11.5 - 13	1.5	Sand and silt	0.6 - 2	1.4	Sand, very fine to fine, and silt ..	11 - 32	21
Sand, fine to coarse, tan, and gravel; trace silt	13 - 20	7	Gravel	2 - 5	3	Till, sandy, gray	32 - 37	5
Sand, fine to coarse, tan; trace silt	20 - 45	25	Sand, medium, brown; trace silt ...	5 - 10.5	5.5	Refusal	at 37	
Silt, red to brown; trace fine sand; stratified	45 - 77.5	32.5	Gravel and sand; some silt	10.5 - 26	15.5			
Sand and gravel, gray; trace silt (fill?)	77.5 - 84	6.5	Sand, coarse	26 - 28	2			
Rock, granitic, soft to medium hard	84 - 92	8	Gravel and sand; some silt	28 - 68	40			
OL 23 th. 411909N0722052.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.			Rock (soft)	68 - 74	6	OL 43 th. 411723N0721847.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1931.		
Water	0 - 16.5	16.5	OL 35 th. 411924N0721954.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.			Mud and very soft clay	0 - 37	37
Mud	16.5 - 19	2.5	Water	0 - 8.5	8.5	Sand, medium hard, gray	37 - 50	13
Sand, medium, gray; trace silt; trace vegetation	19 - 34	15	Silt; grass roots; woodchips	8.5 - 24	15.5			
Sand, medium, gray; some silt	34 - 36	2	Silt; grass roots	24 - 31	7			
Sand, medium, gray, and silt	36 - 43	7	Sand, medium, gray, and silt	31 - 35	4			
Sand, fine, dark gray, and organic silt	43 - 54	11	Sand, fine, brown, and silt	35 - 43	8	OL 44 th. 411721N0721846.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1931.		
Sand, fine, gray; little silt	54 - 90	36	Sand and silt, brown	43 - 51	8	Sand and gravel	0 - 3.5	3.5
Sand, medium, gray, and silt	90 - 121	31	Gravel, fine, and silt	51 - 70	19	Sand, yellow, and gravel (gravel not close)	3.5 - 23.4	19.9
Bottom of hole	at 121		Gravel, coarse, and silt; layers of hardpan (fill?)	70 - 80	10	Sand, medium hard, gray	23.4 - 40.5	17.1
OL 25 th. 411909N0722048.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.			Rock, soft	80 - 87	7			
Water	0 - 21	21	OL 36 th. 411907N0721808.1. Bureau of Highways, Dept. of Transportation. Altitude 15 ft. Drilled 1955.					
Sand, fine to medium, and mud	21 - 33	12	Fill	0 - 1	1			
Sand, fine; some silt; trace rotten vegetation	33 - 93	60	Sand, coarse to medium, yellow to brown; some fine gravel	1 - 6	5			
Sand, fine; some silt	93 - 123	30	Sand, fine to medium, gray and brown ..	6 - 11	5			
Hardpan; cobbles and boulders (fill) ..	123 - 126	3	Sand, fine, gray	11 - 16	5			
Boulder	126 - 128	2	Sand, fine, tan and gray	16 - 21	5			
Sand and coarse gravel (fill?)	128 - 129.5	1.5	Sand, fine, gray, and silt	21 - 36	15			
Rock, granite	129 - 139	9.5	Silt, gray; trace clay	36 - 41	5			
OL 27 th. 411910N0722044.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.			Sand, medium to coarse, gray; some fine to coarse gravel	41 - 46	5			
Water	0 - 31	31	Sand, medium to coarse, brown; some fine to coarse sand (fill?) ..	46 - 56	10			
Mud and silt	31 - 43	12	Sand, medium to coarse, gray and brown; some coarse gravel	56 - 61	5			
Sand, fine to medium	43 - 45	2	Rock, medium hard, sandy granite gneiss	61 - 64	3			
Sand, medium; some silt	45 - 59	14		64 - 71	7			
Rock, possible	59 - 61	2	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.					
Rock	61 - 71	10	Gravel, very fine to fine, sandy, orange	0 - 18	18			
			Sand, very fine to fine	18 - 24	6			
			Gravel, very fine to fine; some very fine to very coarse sand	24 - 28	4			
			Sand, very fine to fine; thin layered with silt	25 - 31	3			
			Sand, very fine to medium, layered; scattered gravel	31 - 39	8			
			Till, sandy, packed, gray	39 - 40	1			
			Refusal	at 40				

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.								
OS 48 th. 411835N0722023.1. New Haven Railroad. Altitude 0 ft. Drilled 1941. Drilled by Gow Div. of Raymond Conc. Pile Co.			OS 10 th. 411906N0722110.1. Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1946.			OS 21 th. 411750N0722329.1. Connecticut Water Co. Altitude 10 ft. Drilled 1953. Depth to water 8 ft. Drilled by S. B. Church Co.		
Water	0 - 4	4	Topsoil	0 - 2	2	Sand, dirty	0 - 7	7
Silt, soft, and fine sand	4 - 27	23	Sand, medium, brown; some silt	2 - 10.5	8.5	Sand, fine, mixed with dirty gravel	7 - 21	14
Peat and fine sand	27 - 28	1	Gravel and fine to coarse sand	10.5 - 21.5	11	Sand, fine, gray, with coarse sand	21 - 28	7
Sand, fine, firm	28 - 31.5	3.5	Sand, coarse; some silt	21.5 - 26	4.5			
Sand, coarse, hard, and gravel	31.5 - 34	2.5	Cobbles and gravel; some silt	26 - 31.5	5.5			
Little clay	34 - 76	42	Gravel, fine	31.5 - 48.3	16.8			
Sand, fine, hard, and clay	76 - 78	2	Cobbles and gravel; some silt	48.3 - 60.5	12.2			
Sand, fine, hard, gravel, and clay; hardpan (till)	78 - 85.5	7.5	Bottom of hole	at 60.5				
Refusal	at 85.5							
OS 49 th. 411818N0721830.1. Bureau of Highways, Dept. of Transportation. Altitude -1 ft. Drilled 1934. Driller unknown.			OS 13 th. 411907N0722104.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1946.			OS 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	0 - 3	3	Peat, ruck, grass roots, and wood chips	0 - 17.5	17.5	Topsoil	0 - 3	3
Mud, marsh	3 - 6	3	Silt, light gray; some grass roots	17.5 - 22.5	5	Sand and gravel	3 - 18	15
Gravel, gray to light brown, sand, and silt	6 - 11	5	Silt; some fine sand	22.5 - 33.5	11	Hardpan, gravelly (till)	18 - 29	11
Sand, medium to coarse, light brown, and silt; few pebbles	11 - 32	21	Silt; some fine sand; few grass roots	33.5 - 38.5	5	Ledge	at 29	
Sand, fine to medium, light brown, and silt; little coarse sand	32 - 37	5	Silt and fine sand	38.5 - 62	23.5			
Sand, fine to medium, light brown, and silt	37 - 50	13	Sand, coarse, gravelly	62 - 73	11			
Gravel, sand, silt, and cobbles (till)	50 - 59	9	Bottom of hole	at 73				
Town of Old Saybrook			OS 14 th. 411908N0722101.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.			OS 24 th. 411808N0722258.1. Connecticut Water Co. Altitude 35 ft. Drilled 1953. Depth to water 6 ft. Drilled by S. B. Church Co.		
OS 1 th. 411921N0722243.1. Bureau of Highways, Dept. of Transportation. Altitude 58 ft. Drilled 1953. Depth to water 11 ft.			OS 15 th. 411908N0722058.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.			OS 25 th. 411836N0722221.1. Connecticut Water Co. Altitude 45 ft. Drilled 1953. Depth to water 8 ft. Drilled by S. B. Church Co.		
Topsoil, brown	0 - 2	2	Water	0 - 19	19	Gravel, hardpan (gravel cap)	0 - 6	6
Gravel, fine to medium, gray, and coarse sand; trace fine sand	2 - 9	7	Mud and silt	19 - 21	2	Sand, coarse (very good water bearing)	6 - 17	11
Sand, fine to coarse, light rusty brown; some fine to medium gravel;			Sand, medium, gray, and gray silt in alternate layers	21 - 26	5	Sand, coarse, dirty	17 - 23	6
little silt	9 - 11	2	Sand, fine, gray, and silt (some grass roots)	26 - 45	19	Hardpan	23 - 27.5	4.5
Sand, coarse, red, tan, gray, and gravel; little fine sand; little silt; little cobbles	11 - 14	3	Sand, fine, gray, and silt	45 - 65	20	Ledge	at 27.5	
Gravel, fine to coarse, gray; some coarse sand; trace fine sand; trace silt	14 - 19	5	Sand, medium, gray	65 - 75	10			
Sand, fine to coarse; little fine gravel; trace silt	19 - 22	3	Sand, fine, gray	75 - 102	27			
Bottom of hole	at 22							
OS 2 th. 411910N0722149.1. Bureau of Highways, Dept. of Transportation. Altitude 25 ft. Drilled 1953. Depth to water 0 ft.			OS 16 th. 411909N0722054.1. Bureau of Highways, Dept. of Transportation. Altitude 0 ft. Drilled 1946. Depth to water 0 ft.			OS 29 th. 411741N0722424.1. Connecticut Water Co. Altitude 19 ft. Drilled 1957. Depth to water 4 ft. Drilled by S. B. Church Co.		
Silt, dark brown, blackish-gray; trace sand; trace roots and organic swamp muck	0 - 4	4	Water	0 - 22	22	Gravel, fine	0 - 6	6
Sand, fine to coarse, brown to tan; some fine to medium gravel; some silt; little clay	4 - 8	4	Mud, dark gray	22 - 25	3	Sand, fine	6 - 40	34
Sand, fine to coarse, brown; some fine to medium gravel; little silt	8 - 12	4	Sand, fine, gray, and silt	25 - 30	5	Refusal	at 40	
Sand, fine to coarse, tan; some fine to medium gravel; little silt; cobbles (sandy till)	12 - 17.5	5.5	Sand, fine to medium, gray; little silt	30 - 55	25			
Boulder	17.5 - 18.5	1	Sand, fine, gray; some silt	55 - 70	15			
Rock, medium to hard; decomposed seams	15.5 - 28.5	10	Sand, medium, gray; some silt	70 - 124	54			
OS 4 th. 411726N0722513.1. Bureau of Highways, Dept. of Transportation. Altitude 23 ft. Drilled 1950. Depth to water 5 ft.			OS 18 th. 411837N0722203.1. Bureau of Highways, Dept. of Transportation. Altitude 34 ft. Drilled 1951.			OS 30 th. 411741N0722421.1. Connecticut Water Co. Altitude 21 ft. Drilled 1957. Depth to water 6 ft. Drilled by R. E. Chapman Co.		
Topsoil	0 - 1.5	1.5	Topsoil	0 - 0.5	0.5	Gravel, fine	0 - 6	6
Sand and gravel	1.5 - 8	6.5	Gravel	0.5 - 7.3	6.8	Sand, fine	6 - 26	20
Hardpan, gravel, and sand	8 - 15	7	Gravel, fine, and coarse sand	7.3 - 20.4	13.1	Clay	26 - 29	3
Rock, good recovery	15 - 20	5	Sand, coarse, gray	20.4 - 39.4	19	Gravel, sharp (till)	29 - 32	3
OS 6 th. 411814N0722257.1. Bureau of Highways, Dept. of Transportation. Altitude 33 ft. Drilled 1950.			OS 19 th. 411858N0722134.1. Bureau of Highways, Dept. of Transportation. Altitude 24 ft. Drilled 1947.			Refusal	at 32	
Fill; sand, cinders, and gravel	0 - 5	5	Loam	0 - 1	1			
Gravel and boulders (till)	5 - 22.8	17.8	Sand and silt	1 - 4	3			
Gravel and sand; some silt (till)	22.8 - 28.2	5.4	Sand and gravel	4 - 5	1			
Rock, soft	28.2 - 31.2	3.0	Sand, medium, brown	5 - 8	3			
Rock, medium to hard	31.2 - 37	5.8	Sand, medium, gray	18 - 23	5			
OS 8 th. 411855N0722129.1. Bureau of Highways, Dept. of Transportation. Altitude 13 ft. Drilled 1957. Depth to water 10 ft.			OS 20 th. 411751N0722324.1. Connecticut Water Co. Altitude 20 ft. Drilled 1953. Depth to water 21 ft. Drilled by S. B. Church Co.			OS 33 th. 411756N0722343.1. Connecticut Water Co. Altitude 9 ft. Drilled 1957. Drilled by R. E. Chapman Co.		
Sand and coarse to medium gravel	0 - 3.5	3.5	Sand, medium	23 - 26.5	3.5	Fill, gravelly	0 - 2	2
Sand, fine to medium, firm; little gravel	3.5 - 25	21.5	Sand and gravel	26.5 - 36	9.5	Muck	2 - 4	2
Bottom of hole	at 25		Boulder	36 - 39.5	3.5	Gravel	4 - 9	5
			Sand, medium	39.5 - 59.5	20	Silt and clay	9 - 35	26
			Sand, fine, and silt	59.5 - 75.7	16.2	Refusal	at 35	
			Sand, gravel, and cobbles (till)	75.7 - 85.2	9.5			
			Bottom of hole	at 85.2				
						OS 34 th. 411756N0722341.1. Connecticut Water Co. Altitude 11 ft. Drilled 1957. Drilled by R. E. Chapman Co.		
						Gravel, medium	0 - 8	8
						Sand, fine, gray	8 - 10	2
						Sand, fine, brown	10 - 13	3
						Sand, fine, gray	13 - 26	13
						Clay	26 - 50	24
						Sand, fine, gray	50 - 76	26
						Refusal	at 76	
						OS 35 th. 411709N0722521.1. Connecticut Water Co. Altitude 10 ft. Drilled 1957. Drilled by R. E. Chapman Co.		
						Sand, medium, dirty	0 - 6	6
						Sand, medium to coarse	6 - 17	11
						Sand, fine	17 - 37	20
						Gravel, packed, sharp (till)	37 - 40	3
						Refusal	at 40	
						OS 36 th. 411726N0722416.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Depth to water 8 ft. Drilled by R. E. Chapman Co.		
						Gravel, medium	0 - 9	9
						Sand, fine	9 - 31	22
						Gravel, packed, sharp (till)	31 - 36	5
						Refusal	at 36	
						OS 37 th. 411727N0722414.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Drilled by R. E. Chapman Co.		
						Gravel, medium, brown	0 - 9	9
						Gravel, fine, and sand	9 - 23	14
						Gravel, coarse, brown	23 - 25	2
						Sand, fine, silty	25 - 33	8
						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.								
OS 38 th. 411728N0722409.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.			OS 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.			OS 58 th. 411753N0722341.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1948.		
Gravel, fine to medium	0 - 15	15	Fill (clinders, sand, gravel)	0 - 1.5	1.5	Mud and vegetation matter	0 - 2	2
Sand, fine	15 - 20	5	Sand, fine to coarse, tan; little silt; trace of fine gravel (fill)	1.5 - 4.5	3	Sand, fine to medium, and silt	2 - 9	7
Sand, coarse, and fine gravel	20 - 25	5	Sand, fine to coarse, brown; some medium to fine gravel; trace of silt	4.5 - 7	2.5	Sand, coarse, and gravel	9 - 12	3
Refusal	at 25		Gravel, fine to medium, dark tan, and fine to coarse sand; trace of silt	7 - 15	8	Sand, fine, gray, and silt; some clay	12 - 30	18
OS 39 th. 411729N0722406.1. Connecticut Water Co. Altitude 15 ft. Drilled 1959. Drilled by R. E. Chapman Co.			Sand, fine, dark tan; some silt	15 - 20	5	Bottom of hole	at 30	
Gravel, fine	0 - 16	16	Sand, fine to coarse, gray-tan, and fine to medium gravel; trace of silt	20 - 24	4	OS 59 th. 411809N0722310.1. 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; trace of silt; trace of fine gravel	24 - 34	10	Topsoil	0 - 3	3
Gravel, packed, sharp (fill)	20 - 25	5	Sand, fine to coarse, gray; trace of silt	34 - 41.5	7.5	Gravel and sand	3 - 12	9
Refusal	at 25		Bedrock, gneiss	41.5 - 46.5	5	Hardpan; medium gravel	12 - 15	3
OS 40 th. 411725N0722412.1. Connecticut Water Co. Altitude 18 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.			OS 51 th. 411806N0722232.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1973. Depth to water 3 ft.			Gravel, medium, and sand	15 - 22	7
Clay	0 - 6	6	Cinders, sand, and gravel (fill)	0 - 1	1	Bottom of hole	at 22	
Sand, coarse	6 - 10	4	Silt, tan, and fine sand (fill)	1 - 3	2	OS 60 th. 411843N0722156.1. Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1949.		
Gravel, fine	10 - 16	6	Silt, organic, black	3 - 7.5	4.5	Topsoil	0 - 2	2
Sand, fine, and clay	16 - 27	11	Silt, gray; little fine sand	7.5 - 9.5	2	Gravel, brown	2 - 5	3
Refusal	at 27		Sand, fine to coarse, gray; some medium to fine gravel; little silt	9.5 - 12	2.5	Sand, coarse, gray	5 - 7	2
OS 41 th. 411726N0722405.1. Connecticut Water Co. Altitude 17 ft. Drilled 1959. Depth to water 4 ft. Drilled by R. E. Chapman Co.			Gravel, fine to medium, gray; fine to coarse sand; trace of silt	12 - 30	18	Gravel, fine, gray, and sand	7 - 19	12
Gravel, fine	0 - 10	10	Bedrock, gneiss, gray	30 - 35	5	Sand, medium to coarse, gray	19 - 38	19
Sand, fine	10 - 30	20				Gravel, boulder	38 - 40	2
Sand, fine to medium	30 - 41	11				Rock	40 - 43	3
Refusal	at 41							
OS 42 th. 411726N0722402.1. Connecticut Water Co. Altitude 18 ft. Drilled 1959. Drilled by R. E. Chapman Co.			OS 52 th. 411716N072234.1. Bureau of Highways, Dept. of Transportation. Altitude 8 ft. Drilled 1969.					
Gravel, fine	0 - 10	10	Sand, brown, and gravel; some silt; little cobbles (fill)	0 - 4.5	4.5	Tide water	0 - 8	8
Sand, coarse	10 - 14	4	Sand, brown, and gravel; little silt; some tarred road surface (fill)	4.5 - 6	1.5	Sand, fine to coarse, dark gray; seashells	8 - 10	2
Sand, silty, and clay	14 - 39	25	Sand, brown, and gravel; some silt (fill)	6 - 9	3	Silt, organic, gray, and fibrous material; little silt	10 - 13	3
Refusal	at 39		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
OS 43 th. 411727N0722400.1. Connecticut Water Co. Altitude 14 ft. Drilled 1959. Drilled by R. E. Chapman Co.			Silt, organic, gray; peat, wood chips, tree roots, and shells	12 - 23	11	Sand, coarse, gray; some fine gravel; trace of silt and fine sand	15 - 25	10
Gravel, fine	0 - 17	17	Sand, gray, and gravel; some weathered decomposed rock	23 - 28.5	5.5	Sand, fine, grayish-brown	25 - 29	4
Sand, fine	17 - 20	3	Gneiss, weathered	28.5 - 38.5	10	Sand, fine, brown	29 - 44	15
Sand, fine, silty	20 - 42	22				Sand, fine to coarse, brown; trace of silt	44 - 53	9
Refusal	at 42					Sand, fine, grayish-brown	53 - 78	25
OS 44 th. 411723N0722417.1. Connecticut Water Co. Altitude 20 ft. Drilled 1959. Depth to water 8 ft. Drilled by R. E. Chapman Co.			OS 53 th. 411715N0722334.1. Bureau of Highways, Dept. of Transportation. Altitude 11 ft. Drilled 1969.			Sand, fine, brownish-gray; trace of coarse sand	78 - 89	11
Gravel, fine	0 - 15	15	Sand, fine to coarse, brown, and fine to coarse gravel; some small cobbles	0 - 12.5	12.5	Sand, gray; trace of medium gravel	89 - 96	7
Sand, fine	15 - 25	10	Gneiss, gray	12.5 - 22.5	10	Sand, fine, grayish-brown	96 - 113	17
Gravel, packed, sharp (fill)	25 - 27	2				Gravel, fine to medium, gray-brown, and coarse sand	113 - 120	7
Refusal	at 27					Sand, grayish-brown	120 - 132	12
OS 45 th. 411723N0722409.1. Donnelly Co. Altitude 14 ft. Depth to water 2 ft. Driller unknown.			OS 54 th. 411756N0722334.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1950.			Gneiss, gray	132 - 137	5
Muck, black	0 - 4	4	Topsoil and sand	0 - 2	2	Town of Portland		
Sand, medium to coarse; little fine to medium gravel	4 - 12	8	Gravel, coarse	2 - 15	13	P 1 th (formerly P 103). 413336N0723510.1. Midstate Planning Agency. Altitude 16 ft. Drilled 1954. Depth to water 0 ft. Drilled by Water Exploration and Devel. Corp.		
OS 46 th. 411724N0722359.1. Donnelly Co. Altitude 18 ft. Depth to water 2 ft. Drilled unknown.			Gravel, fine, and coarse sand	15 - 30	15	Silt, reddish-brown, and fine sand	0 - 6	6
Muck, black	0 - 4	4	Sand, medium to coarse	30 - 35	5	Sand, fine, and gray silt	6 - 15	9
Sand, medium to coarse; trace fine to medium gravel	4 - 26	22	Sand, fine to medium, gray	35 - 41	6	Sand, fine, gray	15 - 43	28
OS 47 th. 411724N0722359.1. Donnelly Co. Altitude 18 ft. Depth to water 2 ft. Drilled unknown.			Sand, fine, gray; trace of silt	41 - 65	24	Sand, coarse, and small to medium, reddish-brown gravel	43 - 57	14
Muck, black	0 - 4	4				Refusal	at 57	
Sand, medium to coarse; trace fine to medium gravel	4 - 26	22	OS 55 th. 411739N0722423.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1950.			P 5 th. 413410N0723850.1. Bureau of Highways, Dept. of Transportation. Altitude 13 ft. Drilled 1935.		
OS 48 th. 411905N0722127.1. Bureau of Highways, Dept. of Transportation. Altitude 20 ft. Drilled 1972. Depth to water 18 ft. Drilled by U.S. Geol. Survey.			Topsoil	0 - 2	2	Fill, brownstone	0 - 32	32
Gravel, fine to coarse, and clean medium sand	0 - 6	6	Loam and sand	2 - 5	3	Sand, fine	32 - 69	37
Sand, very fine to medium; trace silt; occasional layers of gravel	6 - 51	45	Gravel and coarse sand	5 - 20	15	Clay and gravel (fill)	69 - 74	5
Gravel, fine, and very fine to very coarse sand, with layers of silt and very fine sand	51 - 56	5	Sand, coarse, brown	20 - 30	10	Sand and clay	74 - 76	2
Sand, fine to very coarse, with layers of fine gravel; trace silt	56 - 64	8	Rock, soft to medium, gray	30 - 33	3	Clay, red	76 - 125	49
Gravel, sandy	64 - 67	3				Sand and clay	125 - 129	4
Sand, gravelly	67 - 73	6	OS 56 th. 411738N0722423.1. Bureau of Highways, Dept. of Transportation. Altitude 26 ft. Drilled 1950.			Gravel and clay (fill)	129 - 131	2
Fill, sandy, gravelly, gray	73 - 75	2	Topsoil	0 - 1	1	Rock, brownstone	131 - 141	10
Refusal	at 75		Loam and fine sand	1 - 8	7			
OS 49 th. 411818N0722248.1. Bureau of Highways, Dept. of Transportation. Altitude 26 ft. Drilled before 1950. Depth to water 1 ft.			Gravel	8 - 10	2	Fill; sand and brownstone	0 - 18	18
Topsoil	0 - 3	3	Hardpan	10 - 14	4	Sand, fine	18 - 62	44
Gravel	3 - 12	9	Rock, gray	14 - 17	3	Sand, medium	62 - 64	2
Gravel, boulder, and hardpan (fill)	12 - 29	17	Gravel and coarse sand	14 - 24	10	Sand, fine, yellow	64 - 74	10
			Sand, fine to coarse, and gravel	24 - 27	3	Sand, medium	74 - 75	1
			Bottom of hole	at 27		Gravel and red clay (fill)	75 - 78	3
						Clay, red	78 - 81	3
						Gravel and red clay	81 - 85	4
						Clay, red	85 - 93	8
						Gravel and red clay (fill)	93 - 97	4
						Rock, brownstone	97 - 102	5

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

[illegible]

Town of Salem--Cont.			Town of Westbrook			WE 17 th. 411710N0722525.1. Connecticut Water Co.		
Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)	Thickness (feet)	
SM 9 th. 412814N0721720.1. Bureau of Highways, Dept. of Transportation. Altitude 210 ft. Drilled 1957. Depth to water 3 ft. Drilled by L. S. Wegman Co.			WE 1 th. 411730N0722642.1. Bureau of Highways, Dept. of Transportation. Altitude 21 ft. Drilled 1951.			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	Peat	0 - 8	8
Sand, fine to coarse, brown; trace	3.5 - 7	3.5	Sand and medium to coarse gravel	1 - 22	21	Sand, fine, brown, and sharp	8 - 37	29
of fine gravel; little silt			Sand and fine gravel, brown to gray	22 - 30.2	8.2	Sand, fine, gray, and sharp gravel	37 - 47	10
Sand, fine to coarse, brown; and			Hardpan and gray gravel (till?)	30.2 - 40.3	10.1	with clay (till?)	at 47	
fine to medium gravel	7 - 12	5	Rock, hard, gray	40.3 - 47	6.7	Refusal		
Sand, fine to coarse, brown; and			WE 2 th. 411730N0722652.1. Bureau of Highways, Dept. of Transportation. Altitude 2 ft. Drilled 1955.			WE 20 th. 411953N0722729.1. Connecticut Water Co. Altitude 112 ft. Drilled 1950. Drilled by R. E. Chapman Co.		
fine to medium gravel; little	12 - 15	3	Meadow mat, black; some organic silt	0 - 5	5	Gravel, fine to medium	0 - 3	3
silt			Sand, fine to coarse, brown; trace			Sand, medium to coarse	3 - 27	24
Sand, fine to coarse, brown; some	15 - 20	5	organic silt	5 - 7	2	Refusal	at 27	
fine gravel; trace of silt	20 - 30	10	Sand, fine to coarse, brown; some			WE 21 th. 411951N0722729.1. Connecticut Water Co. Altitude 114 ft. Drilled 1960. Drilled by R. E. Chapman Co.		
Sand, fine to coarse, brown; trace	30 - 32	2	fine to coarse gravel	7 - 23	16	Gravel, medium to coarse	0 - 8	8
of coarse gravel; trace of silt			Sand, medium to coarse, brown, and	23 - 32	9	Clay	8 - 15	7
Sand, fine to coarse, brown; and			fine to coarse gravel; very loose			Sand, medium to coarse	15 - 20	5
fine to coarse gravel; little	32 - 40	8	Sand, fine to medium; trace coarse			Refusal	at 20	
silt; trace of clay (till?)			sand; trace silt; trace gravel	32 - 41	9			
Sand, fine, brown, silt, and	40 - 41.5	1.5	(till?)	at 41				
angular stone fragments (till?)	41.5 - 42.5	1	Refusal					
Rock, highly decomposed, dark gray			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 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.		
Refusal	at 42.5		Topsoil	0 - 1.5	1.5	Gravel, fine, and coarse sand	0 - 17	17
SM 10 th. 412814N0721719.1. Bureau of Highways, Dept. of Transportation. Altitude 213 ft. Drilled 1957. Depth to water 4 ft. Drilled by L. S. Wegman Co.			Sand, medium to coarse, brown;			Sand, medium to coarse	17 - 47	30
Topsoil; black silt; trace of clay	0 - 4	4	little fine sand; some fine gravel	1.5 - 11	9.5	Sand, coarse; some gravel	47 - 51	4
Sand, fine to coarse, brown; some	4 - 9	5	Sand, fine, gray; trace silt	11 - 15	4	Bottom of hole	at 51	
fine to coarse sand; little silt			Sand, fine to medium, gray	15 - 19	4	WE 24 th. 411922N0722551.1. Connecticut Water Co. Altitude 50 ft. Drilled 1962. Depth to water 9 ft. Drilled by R. E. Chapman Co.		
Sand, fine to coarse, brown; trace	9 - 15	6	Sand, fine, gray; trace silt	19 - 33.2	14	Gravel, medium	0 - 10	10
of silt			Sand, fine to medium	33.2 - 37.8	4.6	Sand, medium	10 - 37	27
Sand, fine to coarse, brown; little			Sand, coarse; little fine gravel	37.8 - 48.3	10.5	Sand, fine to medium	37 - 86	49
fine to medium gravel; trace of	15 - 21	6	Rock, mica schist	48.3 - 53.5	5.2	Sand, medium to coarse	86 - 100	14
silt			WE 5 th. 411729N0722723.1. Bureau of Highways, Dept. of Transportation. Altitude 30 ft. Drilled 1955. Depth to water 11 ft.			Refusal	at 100	
Sand, fine to coarse, brown; trace	21 - 30	9	Topsoil	0 - 1	1	WE 25 th. 411923N0722554.1. Connecticut Water Co. Altitude 50 ft. Drilled 1962. Depth to water 10 ft. Drilled by R. E. Chapman Co.		
of fine to medium gravel; trace			Sand, medium to coarse, brown to			Sand, fine to medium	0 - 7	7
of silt	30 - 36	6	gray; little fine sand	1 - 16	15	Sand, fine, and gravel	7 - 17	10
Sand, fine to medium, gray; little			Sand, coarse, gray; fine gravel			Sand, fine to medium	17 - 48	31
coarse gravel; little silt	36 - 42	6	and rock fragments	16 - 19	3	Sand, fine to medium	48 - 65	17
Gravel, broken, pink and light			Rock, mica schist	19 - 24	5	Sand, fine, and fine gravel	65 - 79	14
gray			WE 7 th. 411733N0722950.1. Bureau of Highways, Dept. of Transportation. Altitude 27 ft. Drilled 1955. Depth to water 20 ft.			Sand, fine to medium	79 - 97	18
SM 11 th. 412812N0721722.1. Bureau of Highways, Dept. of Transportation. Altitude 210 ft. Drilled 1957. Depth to water 6 ft. Drilled by L. S. Wegman Co.			Topsoil	0 - 0				

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 40 th. 411909N0722556.1. 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.			
WE 32 th. 411903N0722603.1. Connecticut Water Co. Altitude 28 ft. Drilled 1960. Depth to water +1 ft. Drilled by R. E. Chapman Co.				Sand, fine to medium 0 - 30 30 Sand, medium to coarse 30 - 50 20 Sand, medium to coarse, and fine gravel 50 - 60 10 Sand, fine to medium 60 - 70 10 Sand, fine to medium, and fine gravel 70 - 84 14 Refusal at 84				Meadow mat 0 - 2 2 Silt, organic 2 - 7 5 Sand, fine; trace of silt 7 - 17 10 Sand, coarse, and large gravel ... 17 - 36 19 (fill?) 36 - 40 4 Refusal at 40			
Peat and muck 0 - 14 14 Sand, red, and small gravel 14 - 28 14 Sand, fine, brown 28 - 45 17 Sand, medium, brown, and small gravel 45 - 60 15 Sand, fine, gray; trace of clay ... 60 - 70 10 Silt, fine, gray 70 - 76 6 Refusal at 76				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.			
WE 33 th. 411902N0722604.1. Connecticut Water Co. Altitude 27 ft. Drilled 1960. Depth to water +1 ft. Drilled by R. E. Chapman Co.				Peat and clay 0 - 24 24 Sand; some gravel 24 - 32 8 Sand, fine to medium 32 - 48 16 Sand, medium 48 - 56 8 Sand, medium 56 - 68 12 Sand, fine to medium, and small gravel 68 - 74 6 Sand, fine, and sharp gravel (fill?) 74 - 84 10 Refusal at 84				Meadow mat 0 - 7 7 Sand, fine to medium, dark gray .. 7 - 10 3 Sand, fine, highly micaceous; some silt 10 - 15 5 Sand, fine, brown 15 - 26 11 Sand, fine to coarse; some fine to coarse gravel 26 - 30 4 Sand, fine; trace of medium sand; little fine to coarse gravel and boulders (fill?) 30 - 36 6 Rock, decomposed 36 - 38.5 2.5 Refusal at 38.5			
Peat 0 - 21 21 Sand, red, and small gravel 21 - 26 5 Sand, fine, brown, and silt 26 - 35 9 Silt, fine, brown 35 - 50 15 Silt, fine, brown, and clay 50 - 61 11 Refusal at 61				WE 42 th. 411906N0722604.1. Connecticut Water Co. Altitude 28 ft. Drilled 1960. Depth to water +1 ft. 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.			
WE 34 th. 411909N0722604.1. Connecticut Water Co. Altitude 28 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.				Sand and gravel 0 - 24 24 Sand, brown 24 - 40 16 Sand, gray 40 - 56 16 Gravel, small, and sand 56 - 82 26 Sand and sharp gravel 82 - 90 8 Sand, fine 90 - 98 8 Sand, fine, and clay 98 - 105 7 Sand, fine, and sharp gravel (fill?) 105 - 110 5 Sand, fine, and sharp gravel (fill?) 110 - 119 9 Refusal at 119				Water 0 - 1 1 Peat, decayed meadow mat; trace of fine gravel and fine sand ... 1 - 4 3 Sand, fine; trace fine gravel; gray-brown 4 - 12 8 Sand, fine to medium, gray-brown; trace of fine gravel 12 - 17 5 Sand, fine, gray-brown 17 - 20 3 Sand, fine to coarse, gray; trace fine gravel 20 - 26 6 Sand, fine to medium, gray-brown; some fine to medium gravel 26 - 29 3 Rock fragments, soft 29 - 30 1			
Peat 0 - 4 4 Sand, red, and small gravel 4 - 20 16 Sand, sharp, brown, and small gravel 20 - 35 15 Sand, silty, brown, and small gravel 35 - 45 10 Sand, medium, brown, and small gravel 45 - 60 15 Sand, silty, brown 60 - 70 10 Sand, silty, brown, and clay 70 - 85 15 Refusal at 108				WE 44 th. 411955N0722724.1. Connecticut Water Co. Altitude 107 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.			
WE 35 th. 411905N0722603.1. Connecticut Water Co. Altitude 27 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.				Gravel, fine to medium 0 - 10 10 Sand, fine, and clay 10 - 16 6 Gravel and clay (fill?) 16 - 20 4 Refusal at 20				Topsoil 0 - 1 1 Sand, fine, brown; trace of gravel Sand, fine, gray-brown; little silt 4 - 9 5 Sand, fine, brown; some silt 9 - 14 5 Silt 14 - 23 9 Sand, fine, gray; little silt 23 - 27 4 Silt, fine, gray; some sand; trace of clay 27 - 38 11 Silt, organic, fine, with layers of medium brown sand 38 - 43 5 Sand, fine to medium, brown; little silt 43 - 47 4 Refusal at 47			
Peat 0 - 21 21 Sand, gray, and small gravel 21 - 26 5 Sand, red 26 - 33 7 Sand, fine, brown 33 - 40 7 Sand, fine, tightly packed, brown ... 40 - 53 13 Sand, fine to medium, brown 53 - 62 9 Sand, fine, brown 62 - 75 13 clay 75 - 83 8 Refusal at 83				WE 45 th. 411957N0722726.1. Connecticut Water Co. Altitude 108 ft. Drilled 1960. 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.			
WE 36 th. 411906N0722559.1. Connecticut Water Co. Altitude 30 ft. Drilled 1960. Depth to water 3 ft. Drilled by R. E. Chapman Co.				Gravel, medium to coarse 0 - 7 7 Sand and clay 7 - 23 16 Refusal at 23				Topsoil, vegetation, and organic silt 0 - 2 2 Sand, fine, brownish-gray; little silt; little fine gravel 2 - 4 2 Sand, fine to medium, brownish- gray; trace of coarse sand; trace of fine gravel 4 - 8 4 Sand, fine, grayish-brown; little silt 8 - 11 3 Silt, grayish-brown; trace fine sand; streaks of red clay 11 - 17 6 Sand, medium to coarse, grayish- brown, and fine to medium gravel, with rock fragments (fill?) 17 - 26 9 Refusal at 26			
Sand, fine 0 - 30 30 Gravel, medium to coarse 30 - 40 10 Sand, medium to coarse 40 - 50 10 Sand, medium to coarse, and fine gravel 50 - 60 10 Sand, medium to coarse 60 - 80 20 Refusal at 80				WE 46 th. 411956N0722731.1. Connecticut Water Co. Altitude 110 ft. Drilled 1960. Drilled by R. E. Chapman Co.							
WE 37 th. 411904N0722600.1. Connecticut Water Co. Altitude 30 ft. Drilled 1960. Depth to water 2 ft. Drilled by R. E. Chapman Co.				Gravel, fine to medium 0 - 10 10 Sand, fine to medium 10 - 25 15 Refusal at 25							
Loam, black 0 - 4 4 Gravel, fine to medium 4 - 12 8 Sand, medium to coarse 12 - 17 5 Sand, fine to medium, and gravel ... 17 - 70 53 Sand, medium to coarse, and gravel ... 70 - 85 15 Refusal at 85				WE 47 th. 411824N0722617.1. Connecticut Water Co. Altitude 20 ft. Drilled 1957. Drilled by R. E. Chapman Co.							
WE 38 th. 411903N0722601.1. Connecticut Water Co. Altitude 30 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.				Gravel, fine to medium 0 - 19 19 Refusal at 19							
Loam 0 - 2 2 Gravel, fine to medium 2 - 10 8 Sand, fine to medium 10 - 50 40 Gravel, medium to coarse 50 - 71 21 Refusal at 71				WE 48 th. 411826N0722618.1. Connecticut Water Co. Altitude 20 ft. Drilled 1957. Drilled by R. E. Chapman Co.							
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 to medium 0 - 20 20 Refusal at 20							
Gravel, fine to medium 0 - 10 10 Gravel, medium to coarse 10 - 25 15 Gravel, fine to medium 25 - 44 19 Refusal at 44				WE 50 th. 411821N0722619.1. Connecticut Water Co. Altitude 18 ft. Drilled 1957. Drilled by R. E. Chapman Co.							
				Gravel, coarse 0 - 14 14 Refusal at 14							
				WE 51 th. 411908N0722602.1. Connecticut Water Co. Altitude 28 ft. Drilled 1960. Depth to water 1 ft. Drilled by R. E. Chapman Co.							
				Peat 0 - 20 20 Sand, fine, yellow, and sharp gravel. 20 - 35 15 Sand, fine, yellow 35 - 50 15 Sand, fine, yellow, and clay 50 - 60 10 Sand, fine to medium, yellow, and sharp gravel 60 - 76 16 Sand, silty, yellow, and clay 76 - 84 8 Refusal at 84							
				WE 52 th. 411910N0722600.1. Connecticut Water Co. Altitude 30 ft. Drilled 1960. Depth to water +1. Drilled by R. E. Chapman Co.							
				Peat 0 - 25 25 Sand, fine, yellow, and clay 25 - 40 15 Sand, silty, yellow 40 - 60 20 Sand, fine, yellow; some gravel and clay (fill?) 60 - 80 20 Sand, fine to medium, yellow, and small gravel (fill?) 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 (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)	Gravel (>2.0 mm)		
B 74 th	413513N0724622.1	12.0-13.0	20.5	0.2	Town of Berlin		8.7	15.1	6.8	43.3	1.0
		32.0-33.0	18.9	2.1	5.4 6.5	23.5	39.5	6.7	2.8	.48	410 100
CO 85 th	413515N0722310.1	17.0-17.8	46.8	38.1	Town of Colchester		1.7	.2	0	0	.07
		42.3-43.6	55.6	25.9	13.4	4.3	.8	0	0	.05	4.4
		52.0-52.3	38.4	21.0	30.1	8.7	1.4	.4	0	.09	4.8
		52.3-52.9	49.6	36.1	13.1	1.0	.2	0	0	.06	4.2
		67.0-68.6	61.3	12.4	20.5	4.2	1.4	.2	0	.05	3.2
		80.0-80.6	17.6	10.4	14.3	10.1	8.5	2.5	36.6	.43	3.1
CO 86 th	413445N0722143.1	48.3-48.6	12.3	16.3	20.7	16.5	27.5	6.8	0	.26	11
		52.0-52.6	4.2	2.1	4.6	14.2	56.1	18.8	0	.68	3.5
		52.6-53.3	13.7	23.8	68.9	12.4	1.2	0	0	.15	4.0
		62.0-62.3	46.1	41.8	10.6	.9	.6	0	0	.07	5.2
		67.0-67.9	18.3	27.9	38.3	12.0	3.2	.2	0	.13	4.6
CO 87 th	413559N0722202.1	22.0-23.4	17.7	.3	41.0	26.6	9.2	1.4	3.9	.21	5.7
		32.0-33.6	19.8	30.3	36.1	9.7	2.7	.2	1.2	.12	4.3
		37.0-38.4	27.8	19.4	45.4	6.4	.8	.2	0	.13	4.4
CO 88 th	413537N0722017.1	42.0-42.9	5.6	6.2	33.6	33.0	13.6	3.4	4.7	.28	3.3
		52.0-52.9	.8	7.5	33.2	33.2	20.7	3.4	1.3	.30	2.8
		62.0-62.3	6.1	5.6	13.9	12.6	14.3	8.3	39.2	.88	18
		62.6-62.9	6.2	13.9	47.8	25.2	5.0	1.9	0	.19	3.0
		72.0-72.6	2.8	2.6	12.4	11.9	9.6	7.0	53.8	2.4	25
CO 89 th	413529N0722020.1	22.0-23.6	14.2	26.7	48.1	9.5	1.4	0	0	.14	3.7
		32.0-33.0	19.7	25.2	44.7	9.6	.8	0	0	.14	4.5
CO 90 th	413249N0722015.1	7.0- 7.9	20.3	31.9	33.7	12.4	1.6	0	0	.12	5.7
		47.0-47.1	47.5	.5	33.3	16.3	1.9	.5	0	.13	23
EHD 2 th	413042N0722859.1	7.0- 7.6	13.2	5.4	Town of East Haddam		36.9	18.4	3.5	2.5	.31
		22.0-22.4	9.8	4.3	20.3	8.8	9.1	9.4	10.3	48.3	1.8
		32.0-32.4	10.5	5.5	9.6	9.7	10.0	9.3	45.4	1.4	46 44
EHD 5 th	413023N0722433.1	12.0-12.5	2.4	4.8	19.2	22.4	40.1	9.5	1.6	.51	4.4
		17.0-17.9	12.3	5.9	17.6	17.0	18.6	4.1	24.5	.45	22
		27.2-27.4	4.8	7.6	32.4	32.0	20.1	3.2	0	.28	3.4
		27.4-27.9	11.8	25.9	43.8	9.9	5.9	1.7	1.0	.15	5.6
		37.0-38.6	6.3	9.3	58.3	22.0	3.6	.4	0	.19	2.6
		42.0-43.6	5.0	12.7	49.9	26.0	5.7	.7	0	.20	2.7
		52.0-52.3	10.9	12.5	41.8	27.4	5.5	.8	1.0	.19	4.4
		77.8-78.6	32.1	17.9	34.3	12.0	1.8	.4	1.5	.12	17
		87.4-87.8	9.8	9.2	29.4	25.6	12.5	1.3	12.3	.26	5.4
		87.8-88.0	7.2	5.1	11.2	12.4	20.7	10.9	32.4	.80	14
		88.3-88.6	31.6	17.1	18.9	10.1	10.6	3.5	8.3	.13	24
		102.0-102.6	14.2	6.0	15.7	13.8	14.2	4.6	31.5	.51	25
EHD 7 th	413049N0722328.1	27.0-28.4	25.6	26.1	36.6	8.5	2.6	.6	0	.12	5.8
		37.0-38.6	45.7	30.3	18.0	4.2	1.6	.2	0	.07	7.0
EHD 8 th	412615N0722020.1	16.5-17.0	13.2	6.9	11.5	13.1	11.3	7.4	36.5	.69	38
EHD 9 th	412627N0722005.1	22.0-22.2	.6	1.6	3.9	7.7	15.5	24.4	46.3	1.8	7.0
		22.2-22.6	5.8	3.4	9.7	23.6	40.6	9.9	6.8	.57	5.1
		37.0-37.4	12.3	1.7	11.3	12.1	10.7	6.5	45.3	1.2	52
		37.4-37.6	12.1	13.6	33.0	25.8	7.7	3.3	4.5	.21	6.1
EHD 10 th	412608N0722034.1	7.0- 7.6	1.3	2.5	15.2	35.2	33.0	10.0	3.0	.46	3.4
		17.0-17.9	.7	.7	9.0	24.5	41.2	17.3	6.4	.64	3.2
		22.0-22.5	30.8	16.1	42.9	9.7	.4	.2	0	.13	4.2
		22.5-22.9	3.7	7.3	19.5	32.9	19.0	7.1	10.4	.38	4.1
EHD 11 th	412659N0722740.1	17.0-18.6	13.8	23.1	59.0	3.8	.4	0	0	.15	3.5
		22.0-22.9	11.6	15.9	46.8	14.4	5.6	3.2	2.4	.17	4.9
		32.0-33.0	12.4	7.6	11.7	4.7	11.7	10.8	41.1	1.1	61
		42.0-42.6	25.8	18.3	24.3	7.1	6.4	3.0	15.1	.15	13
EHN 12 th	413348N0723144.1	12.0-13.6	24.0	29.4	Town of East Hampton		4.4	.2	0	.12	8.5
		27.0-27.5	9.6	6.2	10.2	8.4	12.2	9.5	43.8	1.3	36
		29.5-33.0	32.5	12.1	19.6	8.8	4.6	2.4	20.1	.15	13
G 69 th	411726N0724026.1	7.0- 8.6	14.9	4.6	Town of Guilford		12.5	9.9	5.6	42.7	.89
		22.0-22.2	3.7	18.1	9.7	17.7	2.8	.4	7.2	.18	2.7
		27.0-27.3	2.5	11.6	36.1	9.9	4.4	2.3	33.2	.25	5.1

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

		Grain-size distribution in percent of total weight											
Test hole no.	Location no.	Depth sampled (ft)	Clay and silt	Very fine sand	Fine sand	Medium sand	Coarse sand	Very coarse sand	Gravel	Median grain size	Uniformity coefficient		
			(<0.0625 mm)	(0.0625-0.125 mm)	(0.125-0.25 mm)	(0.25-0.5 mm)	(0.5-1.0 mm)	(1.0-2.0 mm)	(>2.0 mm)	(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	5.6	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		
HD 22 th	413021N0723232.1	92.0-93.6	25.7	7.1	45.7	8.2	12.1	1.1	0	.16	5.0		
		22.0-22.6	10.0	5.4	15.2	18.0	19.2	6.5	25.6	.53	12		
HD 23 th	412907N0723100.1	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		
		12.0-12.6	9.0	3.5	11.0	9.1	12.3	10.5	44.7	1.4	38		
HB 2 th	413651N0722054.1	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		
		17.6-18.0	2.8	6.0	23.1	30.5	27.0	8.3	2.4	.38	3.7		
HB 4 th	413604N0722057.1	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		
		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		
		42.0-42.9	13.1	4.1	14.6	14.3	11.2	4.8	38.0	.64	33		
<u>Town of Lyme</u>													
L 1 th	412211N0722140.1	37.0-38.6	1.4	18.5	71.5	8.0	.6	0	0	.17	2.1		
		52.0-53.0	13.4	21.4	60.9	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		
L 2 th	412439N0722520.1	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		
		67.0-68.6	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		
		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			
<u>Town of Madison</u>													
MA 29 th		411728N0723659.1	12.0-13.6	6.9	7.0	12.0	10.1	6.9	4.4	52.6	2.6	63	
	31.5-32.0		48.3	9.0	14.3	14.9	10.5	1.5	1.3	.07	-		
<u>Town of Marlborough</u>													
MB 11 th	413843N0722853.1	12.0-13.6	2.0	.2	50.0	45.3	2.2	.4	0	.24	2.0		
		22.0-23.3	1.5	27.1	51.5	17.1	2.3	.4	0	.17	2.5		
		23.3-23.6	20.3	38.6	30.2	4.7	2.8	2.2	1.3	.11	4.7		
		32.0-32.3	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		
<u>Town of Middletown</u>													
MT 126 th	413342N0724455.1	58.0-59.0	18.4	3.2	8.5	12.9	21.6	10.3	25.1	.63	51		
<u>Town of Old Lyme</u>													
OL 38 th	412130N0721823.1	7.0-7.6	7.9	2.8	6.0	9.0	19.2	9.0	46.2	1.5	35		
		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		
OL 39 th	412126N0721901.1	12.0-13.0	.7	0	5.9	32.9	47.9	10.7	1.9	.58	2.5		
		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		

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

Grain-size distribution in percent of total weight											
Test hole no.	Location no.	Depth sampled (ft)	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)	Median grain size (mm)	Uniformity coefficient
Town of Old Lyme--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	51
		17.0-17.9	11.1	4.7	12.9	23.5	27.4	7.1	13.4	.47	11
		27.0-28.6	16.2	10.0	18.7	17.7	23.3	5.1	8.9	.31	17
		37.0-37.2	6.2	2.6	10.0	14.3	20.4	8.4	38.2	.89	13
		37.2-37.5	15.1	13.8	41.9	25.3	2.2	1.6	0	.18	7.8
OL 41	412091N0721848.1	7.0-7.6	6.4	1.7	4.8	18.0	27.3	20.0	21.9	.81	6.5
		17.0-18.6	1.1	6.5	38.8	45.1	8.6	0	0	.26	2.4
		27.0-27.9	6.1	6.5	35.9	46.1	5.3	.2	0	.26	3.1
		37.0-37.3	.8	4.7	34.8	49.7	9.1	1.0	0	.29	2.4
		37.3-38.0	28.3	27.9	33.8	9.4	.6	0	0	.11	7.0
OL 42	411958N0721922.1	17.0-18.0	46.9	31.4	17.2	2.6	1.6	.4	0	.07	5.1
		32.0-33.3	41.6	6.4	12.7	10.2	8.5	5.0	15.5	.14	130
Town of Old Saybrook											
OS 48	411905N0722127.1	27.0-28.6	14.0	21.4	32.5	17.2	14.0	1.0	0	.17	4.9
		37.0-38.0	37.7	24.1	35.0	2.5	.6	0	0	.09	4.1
		52.0-52.4	5.6	42.5	45.5	5.8	.4	.2	0	.13	2.2
		52.4-52.9	.6	1.4	6.4	13.1	23.8	31.0	23.7	1.1	5.1
		52.9-53.3	9.8	5.8	13.2	16.1	14.6	7.9	32.7	.64	16
		62.0-62.4	2.2	4.9	14.9	26.4	27.3	10.5	13.8	.52	4.7
		62.4-62.8	7.6	6.7	10.8	12.4	15.1	8.0	39.6	.89	24
		70.0-75.0	16.0	7.5	16.9	16.3	19.9	8.2	15.1	.38	35
Town of Portland											
P 19	413403N0723522.1	42.0-43.6	9.9	4.4	28.5	50.8	6.4	0	0	.28	5.0
		57.0-58.6	15.8	2.9	25.7	41.5	13.5	.6	0	.27	7.9
		97.0-98.3	25.4	16.9	31.1	18.6	7.4	.8	0	.15	31
		98.3-98.6	25.0	.7	15.7	32.1	24.5	2.1	0	.30	20
P 20	413408N0723502.1	42.0-43.4	11.0	6.0	19.7	47.9	15.1	.4	0	.30	6.7
Town of Salem											
SH 3	412741N0721737.1	12.0-12.4	8.9	5.2	9.1	8.9	7.3	6.2	54.5	2.6	58
		47.0-47.4	7.2	4.9	9.2	9.1	9.9	7.3	52.3	2.4	48
		47.4-47.7	11.7	6.1	12.3	20.1	37.8	6.0	6.1	.50	14
SH 4	412743N0721724.1	12.0-13.4	1.9	9.4	35.7	38.9	12.1	.6	1.3	.26	2.8
		13.4-13.6	6.3	4.8	10.5	12.5	7.7	5.1	53.1	2.6	49
		27.0-27.1	2.9	5.0	22.4	15.8	1.2	3.3	49.4	1.8	31
		27.1-27.8	4.4	5.1	40.3	37.7	9.6	1.4	1.6	.25	2.4
		37.0-37.9	3.9	2.2	12.0	28.3	33.0	14.8	5.7	.54	4.2

Table 5.—Analyses of chemical and physical characteristics of water from streams in the lower Connecticut River basin
Chemical constituents in milligrams per liter, except as indicated

Station number	Stream and location	Date of collection	Instantaneous discharge (cfs)	Percent of long-term average discharge (%)	Silica (SiO ₂)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	NI- ₃ (NO ₃)	Soils due on evaporation at 180°C	Hardness as CaCO ₃ Calcium, Noncalcium magnesium	Detergents as MBAS ^{1/}	Turbidity (1/100 ft)	pH	Dolor	Specific conductance (microhm-cm at 25°C)	Water temperature (°C)	
01192700	Metabasett River at East Berlin	5-4-56	--	--	7.4	0.74	0.08	22	7.2	7.9	1.4	68	24	8.2	0.0	13	137	85	29	--	--	6.7	8	218	15.5
01192890	Copinchus 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 Radlyne	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	Menunketesuck River near Clinton	4-24-62	16	75	4.8	.09	.00	3.3	1.4	3.6	.4	11	8.6	4.0	.0	.3	33	14	5	--	.7	6.4	16	54	12.0
		11-28-62	17	80	5.0	.09	.03	4.3	1.4	3.8	.4	6	13	5.0	.1	.3	45	17	12	0.0	.4	6.1	14	59	2.0
		4-17-63	12	56	5.8	.03	.03	6.8	.6	3.7	.5	14	9.1	5.3	.1	.3	40	20	8	.0	.6	6.9	11	60	11.0
01195200	Neck River near Madison	4-24-62	10	99	5.6	.29	.00	4.8	2.4	5.1	1.1	12	13	6.0	.1	1.2	48	22	12	--	.7	6.2	18	77	14.0
		11-28-62	9.5	94	11	.15	.01	6.0	2.5	5.6	1.1	8	18	8.5	.2	1.6	68	26	13	.0	.4	5.8	19	90	3.0
		4-17-63	8.4	83	6.7	.18	.10	4.9	2.2	5.6	1.2	10	12	8.7	.1	1.0	54	21	19	.0	.7	6.2	19	54	10.5
Connecticut drinking water standards (recommended limits) ^{2/}																									
Desirable limit																									
Desirable range																									
Maximum limit																									
Desirable range																									
1/ Methylene Blue Active Substance.																									
2/ Measured in °F, converted to °C.																									
3/ Connecticut State Department of Health, 1972.																									
4/ Optimum range 0.8-1.2 mg/l.																									

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.)

SURFACE WATER			QUALITY OF WATER ^{4/}				GROUND WATER			Remarks
A. Streamflow measurements			Surface Water	Ground Water						
Water year ^{1/}	Publication	Publication	Chemical analysis	Temperature	Chemical analysis	Temperature	Publication	Well records	Water levels ^{6/}	
1905-06	C.G.S.B. 44 ^{2/}	Professional Paper 44			X		H.A. 243		X	
1928	W.S.P. 661	W.S.P. 102			X		W.S.P. 102	X		
1929	W.S.P. 681 and 1201	W.S.P. 110			X		W.S.P. 110	X		
1930	W.S.P. 696	W.S.P. 144	X				W.S.P. 149	X		
1931	W.S.P. 711	W.S.P. 232			X		W.S.P. 232	X		
1932	W.S.P. 726	W.S.P. 374			X	X	W.S.P. 374	X		
1933	W.S.P. 741	W.S.P. 449			X	X	W.S.P. 427			Bibliography
1934	W.S.P. 756	W.S.P. 537			X		W.S.P. 449	X		
1935	W.S.P. 781	W.S.P. 540			X		W.S.P. 537	X		
1936	W.S.P. 801	W.S.P. 658	X				W.S.P. 540	X		
1937	W.S.P. 821	W.S.P. 1299	X				W.S.P. 992			Bibliography
1938	W.S.P. 851	W.S.P. 1450	X				W.S.P. 1071		X	For 1946
1939	W.S.P. 871	W.S.P. 1499-H			X		W.S.P. 1096		X	For 1947
1940	W.S.P. 891	W.S.P. 1881	X	X			W.S.P. 1126		X	For 1948
1941	W.S.P. 921	W.S.P. 2091	X	X			W.S.P. 1156		X	For 1949
1942	W.S.P. 951	W.S.P. 2143	X	X			W.S.P. 1165		X	For 1950
1943	W.S.P. 971	W.S.P. 2151	X	X			W.S.P. 1191		X	For 1951
1944	W.S.P. 1001	C.G.W.S.B. GW-2			X		W.S.P. 1265		X	For 1953
1945	W.S.P. 1031	C.G.W.S.B. GW-4			X		W.S.P. 1321		X	For 1954
1946	W.S.P. 1051	C.G.W.S.B. GW-5			X		W.S.P. 1404		X	For 1955
1947	W.S.P. 1081	C.W.R.B. 1			X	X	W.S.P. 1499-H	X		Wells in Berlin and New Britain
1948	W.S.P. 1111	Bull. 1133-G	X	X	X	X	W.S.P. 1537		X	For 1956-57
1949	W.S.P. 1141 and 1381	W.R.D.C. (1971)	X	X	X	X	W.S.P. 1782			For 1958-62
1950	W.S.P. 1171	W.R.D.C. (1972) ^{2/}	X	X	X	X	W.S.P. 1864			Bibliography
1928-1950	W.S.P. 1301						W.S.P. 1977		X	For 1963-67
1951	W.S.P. 1201 and 1381						W.S.P. 2140			For 1968-72
1952	W.S.P. 1231									
1953	W.S.P. 1271	^{1/} Water years start on October 1 and end September 30 and are numbered for the year in which they end.					C.G.W.S.B. GW-2	X	X	
1954	W.S.P. 1331 and 1381	^{2/} Data for Salmon River near East Hampton.					C.G.W.S.B. GW-4	X	X	
1955	W.S.P. 1381	^{3/} Includes compilation of peak stages and discharges for water years 1936-60.					C.G.W.S.B. GW-5	X	X	
1956	W.S.P. 1431						C.G.W.S.B. GW-7	X	X	
1957	W.S.P. 1501 and C.W.R.B. 1	^{4/} Water analyses also published in reports of the Connecticut State Dept. of Environmental Protection and the Connecticut State Dept. of Health.					C.W.R.B. 1	X		
1958	W.S.P. 1551						C.W.R.B. 2		X	For 1956-59
1959	W.S.P. 1621	^{5/} Also contains analyses of suspended sediment.					C.W.R.B. 7		X	For 1960-64
1960	W.S.P. 1701	^{6/} Periodic water level measurements in observation wells available for indicated calendar years as shown in "Remarks" column.					C.W.R.B. 10	X	X	CANEL site ^{7/}
1951-1960	W.S.P. 1721						C.W.R.B. 13		X	For 1965-66
1961	W.S.P. 1901 and S.W.D.C. (1961)	^{7/} CANEL, Connecticut Atomic Nuclear Engine Laboratories.					Bull. 1133-G	X		
1962	W.S.P. 1901 and S.W.D.C. (1962)									
1963	W.S.P. 1901 and S.W.D.C. (1963)									
1964	W.S.P. 1901 and S.W.D.C. (1964)									
1965	W.S.P. 1901 and W.R.D.C. (1965)									
1966	W.S.P. 2101 and W.R.D.C. (1966)									
1967	W.S.P. 2101 and W.R.D.C. (1967)									
1968	W.S.P. 2101 and W.R.D.C. (1968)									
1969	W.S.P. 2101 and W.R.D.C. (1969)									
1970	W.S.P. 2101 and W.R.D.C. (1970)									
1971	W.R.D.C. (1971)									
1972	W.R.D.C. (1972)									
B. Stage and discharge of major floods										
W.S.P. 798 (1936)	W.S.P. 1420 (1955)									
W.S.P. 847	W.S.P. 1671 ^{2/}									
W.S.P. 867 (1938)	Circ. 377									
W.S.P. 966 (1938)										

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 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)
41	1.98	0.5	8.94
1	1.98	1.0	8.94
		3.0	8.84
Time after pumping started (minutes)		4.0	8.76
.00	1.97	5.0	8.69
.50	1.97	6.0	8.61
2.50	1.97	7.0	8.55
4.0	1.97	8.0	8.47
5.0	1.99	10	8.36
6.0	2.01	12	8.25
7.0	2.04	15	8.11
8.0	2.07	20	7.93
10	2.14	25	7.78
12	2.24	30	7.65
15	2.38	35	7.55
20	2.53	40	7.45
25	2.73	50	7.29
30	2.86	60	7.17
40	3.08	75	6.96
50	3.22	90	6.84
60	3.35	105	6.73
75	3.54	120	6.64
90	3.67	150	6.46
105	3.78	180	6.32
120	3.89	210	6.20
150	4.07	240	6.10
180	4.21	270	6.02
210	4.34	300	5.92
240	4.46	330	5.86
270	4.57	360	5.78
300	4.66	420	5.64
330	4.75	480	5.53
360	4.84	540	5.47
420	5.00	600	5.40
480	5.15	660	5.34
540	5.30	720	5.27
600	5.44	780	5.20
660	5.54	840	5.14
720	5.62	960	4.99
780	5.70	1,080	4.83
840	5.78	1,200	4.71
960	5.89	1,320	4.64
1,080	6.01	1,440	4.59
1,200	6.15	1,560	4.51
1,320	6.28	1,680	4.42
1,440	6.40	1,800	4.28
1,560	6.49	1,920	4.21
1,680	6.58	2,040	4.18
1,800	6.67	2,160	4.14
1,920	6.79	2,280	4.08
2,040	6.89	2,400	4.05
2,160	6.97	2,520	3.90
2,280	7.03	2,640	3.82
2,400	7.07	2,760	3.78
2,520	7.12		
2,640	7.18		
2,760	7.26		
2,880	7.33		
3,060	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
Time after pumping started (minutes)		1,440	14.31
0.0	4.03	1,560	14.50
.5	4.03	1,680	14.65
1.0	4.03	1,800	14.79
1.5	4.03	1,920	14.92
2.0	4.04	2,040	15.04
2.5	4.05	2,160	15.16
3.0	4.06	2,280	15.27
4.0	4.11	2,400	15.38
5.0	4.17	2,520	15.48
6.0	4.25	2,640	15.59
7.0	4.34	2,880	15.79
8.0	4.43	3,120	16.36
10	4.63	3,360	16.48
12	4.83	3,600	16.62
15	5.13	3,840	16.77
20	5.59	4,080	16.89
25	5.98	4,320	17.00
30	6.33	4,560	17.15
35	6.62	4,800	17.27
40	6.90	5,040	17.36
50	7.35	5,280	17.42
60	7.74	5,520	17.48
75	8.19	5,640	17.54
90	8.66	5,760	17.62
105	8.90	6,120	17.76
120	9.12	6,480	17.86
150	9.63	6,840	17.89
180	9.96	7,200	18.00
210	10.23	7,560	18.12
240	10.54	7,920	18.23
270	10.81	8,280	18.24
300	11.04	8,640	18.35
330	11.23	9,000	18.42
360	11.42	9,360	18.54
420	11.74	9,720	18.51
480	11.98	10,080	18.61
540	12.21	10,800	18.76
600	12.41	11,520	18.79
		12,240	18.90
		12,960	18.91
		13,680	18.98

