HYDROLOGIC DATA OF THE NASHUA AND SOUHEGAN RIVER BASINS, MASSACHUSETTS

By

Bruce P. Hansen, R. A. Brackley, and Virginia de Lima

U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 87-221

Records of surface-water discharges, selected wells and borings, and chemical analyses of water in the Nashua and Souhegan River basins, Massachusetts

Prepared in cooperation with the

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF WATER RESOURCES

Boston, Massachusetts
1989

DEPARTMENT OF THE INTERIOR

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U.S. GEOLOGICAL SURVEY

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Plate is in pocket

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CONVERSION FACTORS

The following factors may be used to convert inch-pound units published herein to metric (International System) units.

Multiply inch-pound units	By	To obtain metric units
	Length	
inch (in.)	25.4*	millimeter (mm)
foot (ft)	0.30	meter (m)
mile (mi)	1.6	kilometer (km)
	Area	
square mile (mi^2)	2.590	square kilometer (km^2)
	Flow	
cubic foot per second (ft^3/s)	0.02832	cubic meter per second (m^3/s)
cubic foot per second per square mile [$(ft^3/s)/mi^2$]	0.01093	cubic meter per second per square kilometer [$(m^3/s)/mi^2$]
gallon per minute (gal/min)	0.06308	liter per second (L/s)

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

* Exact.

DEFINITION OF TERMS

Definition of terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined as follows:

Color is expressed in units of the platinum-cobalt scale proposed by Hazen (1892, p. 427-428). A unit of color is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion.

The extent to which water is colored by material in solution is reported as part of the water analysis because a significant color in water may indicate the presence of organic material that may have some bearing on the dissolved-solids content.

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

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.482 gallons per second, 448.8 gallons per minute, or 646,317 gallons per day.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Instantaneous discharge is the discharge at a particular instant of time and the column is labeled "Discharge (ft^2/s)".

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

Gage height is the water-surface elevation referred to some arbitrary gage datum.

Gaging station is a particular site on a stream where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is obtained.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$). If the hardness exceeds the alkalinity (in milligrams per liter of $CaCO_3$ or other equivalent units), the excess is termed "noncarbonate hardness".

Micrograms per liter (µg/L, UG/L) is a precise unit for expressing the concentration of chemical constituents in solution. One thousand micrograms per liter is equivalent to 1 milligram per liter. See the following page.

Milligrams per liter (mg/L, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in the table below. Concentration of suspended sediment expressed in milligrams per liter is based on the weight of sediment in a liter of water-sediment mixture.

Ion	Multiply by	Ion	Multiply by
Ammonia as (NH_4^{+1})	0.05544	Iron (Fe^{+3})*	0.05372
Bicarbonate (HCO_3^{-1})	.01639	Magnesium (Mg^{+2})	.08226
Calcium (Ca^{+2})	.04990	Manganese (Mn^{+2})	.03640
Carbonate (CO_3^{-2})	.03333	Nitrate (NO_3^{-1})	.01613
Chloride (Cl^{-1})	.02821	Nitrite (NO_2^{-1})	.02174
Copper (Cu^{+2})*	.03148	Potassium (K^{+1})	.02557
Fluoride (F^{-1})	.05264	Sodium (Na^{+1})	.04350
Hydrogen (H^{+1})	.99216	Sulfate (SO_4^{-2})	.02082

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

pH is a symbol denoting the relative concentration of hydrogen ions in a solution; pH values range from 0 to 14—the lower the value, the more acidic is the solution; that is, the more hydrogen ions it contains.

Refusal is a drilling term indicating the depth of a drill hole at which further penetration is impossible or impractical with the equipment being used.

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

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromsiemens per centimeter at 25 degrees Celsius. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

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ABSTRACT

This report presents, in tabular form, hydrologic data collected during an investigation of water resources in the parts of the Nashua River basin and the Souhegan River basin which lie in Massachusetts.

Data presented in this report include selected information on wells and test borings; streamflow records; and chemical analyses of surface water, ground water, and rainfall. A map at a scale of 1:48,000 shows the location of all data sites.

INTRODUCTION

The Nashua and Souhegan Rivers are tributary to the Merrimack River and are located in north-central Massachusetts and south-central New Hampshire. The area covered by this report is comprised of the parts of the Nashua River basin (445 mi^2) and the Souhegan River basin (9 mi^2) which lie in Massachusetts. This area includes all or parts of the cities and towns of Ashburnham, Ashby, Ayer, Bolton, Boylston, Clinton, Dunstable, Fitchburg, Gardner, Groton, Harvard, Holden, Lancaster, Leominster, Lunenburg, Paxton, Pepperell, Princeton, Rutland, Shirley, Sterling, Townsend, West Boylston, and Westminster.

The hydrologic data presented in this report were collected in the mid 1970's during two investigations of the water resources of the Nashua and Souhegan River basins. These investigations were conducted by the U.S. Geological Survey in cooperation with the Massachusetts Department of Environmental Management, Division of Water Resources. The data complement interpretive reports (Brackley and Hansen, 1977 and Virginia de Lima, in preparation.)

Data include selected information on wells and test borings, streamflow records, and results of chemical analyses of surface water, ground water, and rainfall. (See pl. 1 for locations of all hydrologic-data-collection sites.)

The authors wish to acknowledge the public officials, consulting firms, industrial concerns, well drillers, and individual homeowners who have given their time and information to this study.

NUMBERING AND LOCATION OF HYDROLOGIC-DATA COLLECTION SITES

Surface-Water Stations

Records are listed in downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. All stations are numbered consecutively in downstream order in this report.

Ground-Water Sites

The well-numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The number consists of 14 digits and 1 letter. The first six digits denote the degrees, minutes, and seconds of latitude followed by a letter denoting north or south. Seven digits following the letter denote degrees, minutes, and seconds of longitude. The last digit is a sequential number for wells within a 1-second grid. The system provides the geographic location of the well and a unique number for each well.

A local numbering system for wells and borings also is used in this report. The first letter indicates whether the hole is a well (W), auger boring (A), bridge boring (B), roadway boring (R), or miscellaneous boring (X); and the number indicates the order in which the well or boring was inventoried within the town. A separate series of numbers beginning with "1" is used within each town. In tables and on the map (pl. 1), only the number is shown beside well locations, or the number plus "A", "B", or "R" for borings within the designating town boundaries.

COLLECTION AND EXAMINATION OF HYDROLOGIC DATA

Streamflow

The data collected at continuous-record gaging stations consist of records of stage and measurements of discharge. Records of stage are obtained either from graphic water-stage recorders that provide a continuous record of the fluctuations or from digital recorders that punch tape at 15-, 30-, or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks on the measurement of stream discharge (see also SELECTED REFERENCES).

More detailed information than that published for the gaging stations, such as discharge measurements, gage-height record, and rating tables, is on file in the district office. The long-term gaging-station records (through 1967) have been analyzed to give several statistical summaries including (1) the number of days in each year that the daily discharge was between selected limits (duration tables); (2) the lowest mean discharge for selected numbers of consecutive days in each year; and (3) the highest mean discharge for selected numbers of consecutive days in each year.

Measurements of streamflow made at low-flow discharge stations are made during periods when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the potential low flow of the stream.

Solutes

The methods of collecting and analyzing the water samples for determining the kinds and concentrations of solutes are described by Skougstad and others (1979). One sample may define adequately the water quality in a stream at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may differ widely, depending on the rates of water discharge, the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several locations across the channel to determine accurately the solute load. Temperal variations in solute load are only defined by periodic sampling over a period of time.

Ground-water quality does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site.

Solids are dissolved from the atmosphere by precipitation. The amount and type of solids may be affected by the source of airborne particles, the wind direction and velocity, and the rainfall intensity and duration. Samples of rainfall were collected during selected periods.

Temperature

Water temperatures are measured at most water-quality stations. In addition, water temperatures are taken concurrently with most discharge measurements at surface-water stations. Large streams have a small daily temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. To convert temperature data shown in degrees Celsius (^{o}C) to degrees Fahrenheit (^{o}F) or vice versa, use the following formulas.

$$^{o}F = 9/5\ (^{o}C) + 32$$
$$^{o}C = 5/9\ (^{o}F - 32)$$

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TABLE 1.—DESCRIPTION OF SELECTED WELLS AND BORINGS

LOCAL WELL NUMBER: LETTER PREFIX INDICATES--A, U.S. GEOLOGICAL SURVEY AUGER BORING; B, BRIDGE BORING; R, ROADWAY BORING; W, WELL OR TEST WELL (THE "W" IS OMITTED FROM PLATE 1 TO CONSERVE SPACE); X, MISCELLANEOUS TEST BORING.

LATITUDE-LONGITUDE: NUMBER FOLLOWING DECIMAL POINT IS A SEQUENTIAL NUMBER FOR WELLS OR BORINGS IN A 1-SECOND GRID.

ALTITUDE OF LAND-SURFACE DATUM: ALTITUDES ARE EXPRESSED IN FEET ABOVE SEA LEVEL; THOSE PRECEOED BY A MINUS SIGN ARE BELOW SEA LEVEL.

METHOD DRILLED: A, AIR-ROTARY; B, BORED OR AUGERED; C, CABLE TOOL; D, DUG; H, HYDRAULIC-ROTARY; J, JETTED; P, AIR-PERCUSSION; R, REVERSE-ROTARY; T, TRENCHED; V, DRIVEN; W, DRIVE-WASH.

WELL FINISH: C, POROUS CONCRETE; F, GRAVEL WALL WITH PERFORATED OR SLOTTED CASING; G, GRAVEL WALL WITH COMMERCIAL SCREEN; H, HORIZONTAL GALLERY OR COLLECTOR; O, OPEN END; P, PERFORATED OR SLOTTED CASING; S, SCREEN; T, SAND POINT; W, WALLED OR SHORED; X, OPEN HOLE IN AQUIFER (GENERALLY CASED TO AQUIFER).

WELL DEPTH: DEPTH OF FINISHED WELL, IN FEET BELOW LAND SURFACE.

WELL USE: A, ANODE; D, DRAINAGE; G, SEISMIC HOLE; H, HEAT RESERVOIR; O, OBSERVATION; P, OIL OR GAS; R, RECHARGE; T, TEST; U, UNUSED; W, WATER WITHDRAWAL; X, WASTE DISPOSAL; Z, DESTROYED.

WATER-BEARING MATERIAL: PRINCIPAL WATER-BEARING ZONE.

ADJECTIVE (FIRST CHARACTER)	
1	VERY FINE GRAINED
2	FINE GRAINED
3	MEDIUM GRAINED
4	COARSE GRAINED
5	VERY COARSE GRAINED
6	CLAYEY
7	SILTY
8	SANDY
9	GRAVELLY
O	CAVERNOUS
A	ARGILLACEOUS
B	BOULDERY
C	CALCAREOUS
D	DENSE
E	CONCRETIONARY
F	IRONSTAINED OR IRON CEMENTED
G	GRANULAR
H	HARD
I	INTERBEDDED
J	JOINTED OR FRACTURED
K	COLUMNAR
L	LAMINATED OR BANDED
M	MASSIVE
N	NONCALCAREOUS
O	ORGANIC
P	POORLY SORTED
Q	CHERTY OR SILICEOUS
R	REDBED
S	SOFT
U	UNCONSOLIDATED
V	SEMICONSOLIDATED
W	WELL SORTED
X	CROSS BEDDED
Y	SHALY OR SLATY
Z	WEATHERED

LITHOLOGY (SECOND CHARACTER)	
A	ALLUVIUM
B	SEDIMENTARY ROCK, UNCLASSIFIED
C	CONGLOMERATE
D	DOLOMITE
E	GYPSUM OR ANHYDRITE
F	SHALE
G	GRAVEL
H	IGNEOUS, GRANULAR (GABBRO, GRANITE, ETC.)
I	IGNEOUS, APHANITIC OR GLASSY (BASALT, ETC.)
J	IGNEOUS, UNCONSOLIDATED (TUFF, VOLCANIC ASH)
K	SAPROLITE
L	LIMESTONE
M	MARL OR SHELL MARL
N	METAMORPHIC, CORASE GRAINED (GNEISS, MARBLE, QUARTZITE)
O	METAMORPHIC, FINE GRAINED (SCHIST, SLATE)
P	CLAY
Q	SILT OR LOESS
R	SAND AND GRAVEL
S	SAND
T	TILL
U	UNCONSOLIDATED SEDIMENT
V	SANDSTONE
W	SILTSTONE
X	SILTY SAND
Y	CLAYEY GRAVEL
Z	OTHER

WATER LEVEL: LEVELS ARE GIVEN IN FEET BELOW LAND SURFACE; "+" INDICATES WATER LEVEL ABOVE LAND SURFACE; "F" INDICATES FLOWING WELL.

WATER USE: A, AIR CONDITIONING; B, BOTTLING; C, COMMERICAL; D, DEWATERING; E, POWER GENERATION; F, FIRE PROTECTION; H, DOMESTIC; I, IRRIGATION; M, MEDICINAL; N, INDUSTRIAL (INCLUDES MINING); P, PUBLIC SUPPLY; R, RECREATION; S, STOCK; T, INSTITUTIONAL; U, UNUSED; V, REPRESSURIZATION; W, RECHARGE; X, DESALINATION--PUBLIC SUPPLIES; Y, DESALINATION--OTHER SUPPLIES.

PUMPAGE, YIELD: IN GALLONS PER MINUTE (GAL/MIN).

PUMPAGE, DRAWDOWN: THE DIFFERENCE BETWEEN STATIC WATER LEVEL AND PUMPING LEVEL.

PUMPAGE, TIME: THE FOLLOWING CODES ARE USED FOR PUMPING PERIODS OF LESS THAN 1 HOUR: A, THROUGH 15 MINUTES; B, 15 TO 30 MINUTES; C, 30 TO 45 MINUTES; D, 45 TO 59 MINUTES.

LOG: D, DRILLER'S LOG; E, ELECTRIC LOG; G, GEOLOGIST'S LOG AVAILABLE IN TABLE 2.

QW: TYPE OF CHEMICAL ANALYSIS AVAILABLE IN TABLE 3. C, COMPLETE; J, CONDUCTANCE AND CHLORIDE K, CONDUCTANCE; L, CHLORIDE; M, MULTIPLE (INCLUDES ONE COMPLETE AND ONE OR MORE PARTIAL); P, PARTIAL.

TABLE I.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS

[A dash indicates no data are available.]

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					ASHBURNHAM														
A	1	423853N0715737.1	1058	US GEOL SURVEY	1966	B	4	-	20	T	--	T	12	11-66	U	--	--	--	G	-
B	1	423904N0715821.1	1063	MDPW	1935	-	--	-	18	T	--	--	--	--	U	--	--	--	D	-
B	2	423632N0715534.1	849	MDPW	1967	W	--	O	22	T	--	3R	6	12-67	U	--	--	--	D	-
W	2	424021N0715200.1	1285	WAAG OLAVI	1963	-	6	X	285	W	95	--	35	7-63	S	24	67	1	-	-
W	3	424117N0715242.1	1130	JOHNSON EINO J	--	D	--	-	30	W	--	U	--	--	H	--	--	--	-	P
W	4	424209N0715446.1	1175	SPORTSMAN CLUB	--	D	--	-	10	W	--	--	--	--	H	--	--	--	-	P
W	5	424204N0715450.1	1185	SPORTSMAN CLUB	--	D	--	-	11	W	--	--	--	--	H	--	--	--	-	P
W	6	424027N0715205.1	1305	AM TEL AND TEL	1967	-	6	X	425	W	11	O	22	12-67	C	7	--	6	-	P
W	7	423959N0715342.1	1140	COUTURIER M	--	-	--	-	120	W	--	--	--	--	H	--	--	--	-	-
W	8	423927N0715444.1	1209	FRANCAVILLE S	--	-	--	-	220	W	--	--	--	--	H	--	--	--	-	P
W	9	424001N0715342.1	1135	CAMP WINNEKENG	--	-	6	S	35	W	--	--	--	--	H	--	--	--	-	P
W	10	423822N0715336.1	1150	SALONEN TOREKO	--	-	--	-	--	W	--	--	--	--	H	--	--	--	-	P
W	11	423827N0715328.1	1155	KALLINEN EDITH	1965	P	6	X	330	W	160	--	55	12-65	H	3	--	--	-	-
W	12	423837N0715230.1	1140	KIMBALL BRUCE F	1967	A	6	X	300	W	34	--	10	4-67	H	3	--	--	-	-
W	13	423859N0715311.1	1257	RIX JOHN	--	-	--	-	180	W	--	--	--	--	H	--	--	--	-	P
W	14	423841N0715150.1	1255	RICE JAMES P	1965	-	6	X	250	W	153	--	--	--	H	3	--	4	-	P
W	15	423840N0715501.1	1315	DUNN JOHN A	1962	-	6	X	345	W	10	--	18	5-62	H	3	--	--	-	-
W	16	423725N071533S.1	1135	THOMA MARTIN	1965	-	6	X	200	W	10	--	--	--	H	7	--	4	-	-
W	17	423659N0715317.1	1145	CLAUMS LEANDER	--	-	--	-	100	W	--	--	--	--	H	--	--	--	-	-
W	18	423937N0715138.1	1200	PENDIEBURY JOHN	1970	A	6	X	325	W	30	--	40	1-71	H	.5	--	--	-	-
W	19	442326N071551O.1	848	KENYON RESTHOME	--	-	--	-	186	W	--	--	--	--	T	--	--	--	-	P
W	20	423921N0715331.1	1149	OBRIEN FRANCIS	1968	A	6	X	110	W	76	--	29	8-68	H	20	--	--	-	-
W	21	423916N0715318.1	1165	BOY SCOUTS AMER	I 46	C	8	X	145	W	8	--	8	6-46	H	6	--	--	-	-
W	22	423811N0715534.1	1195	MACMULLEN EDSON	1966	A	6	X	205	W	9	--	20	9-66	H	25	--	--	-	-
X	1	423933N0715900.1	1038	BURRAGEVILL DAM	1969	V	1	O	41	T	--	7S	15	7-69	U	--	--	--	D	-
X	2	423934N0715857.1	1040	BURRAGEVILL DAM	1969	V	1	O	38	T	--	7R	18	8-69	U	--	--	--	D	-
X	3	423935N0715854.1	1030	BURRAGEVILL OAM	1969	V	1	O	10	T	--	7S	4	8-69	U	--	--	--	D	-
X	4	423936N0715852.1	1048	BURRAGEVILL DAM	1969	V	1	O	6	T	--	--	--	--	U	--	--	--	D	-
X	5	423622N0715534.1	870	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	O	5-63	U	--	--	--	D	-
X	6	423622N0715538.1	870	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	D	5-63	U	--	--	--	D	-
X	7	423628N0715536.1	860	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	D	5-63	U	--	--	--	D	-
X	8	423630N071561I.1	965	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	D	3-63	U	--	--	--	D	-
X	9	423635N0715627.1	985	ASHBURNHAM TOWN	1963	V	2	O	8	T	--	--	D	3-63	U	--	--	--	D	-
X	10	42371ON0715559.1	1015	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	D	5-63	U	--	--	--	D	-
X	11	423720N0715541.1	1012	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	D	5-63	U	--	--	--	D	-
X	12	423743N0715438.1	1030	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	D	5-63	U	--	--	--	D	-
X	13	423759N0715438.1	985	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	D	3-63	U	--	--	--	D	-
X	14	423754N0715418.1	949	ASHBURNHAM TOWN	1963	V	2	O	10	T	--	--	--	--	U	--	--	--	D	-
X	15	423811N0715457.1	1100	ASHBURNHAM TOWN	1963	V	2	O	8	T	--	--	--	--	U	--	--	--	D	-
X	16	423810N0715449.1	1055	ASHBURNHAM TOWN	1963	V	2	O	8	T	--	--	--	--	U	--	--	--	D	-
X	17	423821N0715432.1	1035	ASHBURNHAM TOWN	1963	V	2	O	8	T	--	--	--	--	U	--	--	--	D	-
					ASHBY															
W	1	424023N0714749.1	730	BARBER ROGER	1964	-	6	X	160	W	6	--	10	8-64	H	12	--	--	-	-
W	2	424045N0714745.1	715	WAYRANEN RAY	1964	-	6	X	145	W	5	--	12	2-64	H	1	--	8	-	-
W	3	424026N0714743.1	712	WAYRANEN HENRY	1964	-	6	X	240	W	16	--	29	--	H	3	--	--	-	-
W	4	424021N0714747.1	720	HARTU OTTO	1963	-	6	X	227	W	4	--	26	10-63	H	2	--	--	-	-
W	5	424220N0725322.1	1220	WATATIG SKI	1967	-	6	X	180	W	5	H	25	--	R	9	--	4	-	P
W	6	424146N0715053.1	1155	JOKI UNTO	1965	-	--	X	60	W	60	--	F	9-65	H	17	--	2	-	-
W	7	424125N0715046.1	1064	LEMIEUR JOHN	1964	-	6	X	300	W	9	H	40	10-64	H	5	--	2	-	-
W	8	424123N0715052.1	1055	OLKKLA OIVA	1965	-	6	X	165	W	14	H	5	--	H	50	--	--	-	-
W	9	424059N0715013.1	980	INGERSON HENRY	--	-	--	-	265	-	5	H	--	--	-	--	--	--	-	-
W	10	424037N0715034.1	1040	CUDMORE A OOUG	1971	P	6	X	215	W	15	H	--	--	H	20	--	--	-	-
W	11	424009N0714928.1	885	KULJU ANDREW	1965	-	6	X	160	W	35	H	30	8-65	H	40	--	2	-	-
W	12	424019N0714917.1	930	WOODRUFF W R	1965	-	6	X	220	W	87	H	--	--	H	45	--	2	-	-
W	13	424112N0714906.1	800	MYERS ARTHUR E	1966	-	6	X	300	W	8	H	25	7-66	H	25	--	2	-	-
W	14	423956N0715056.1	1210	SCANLON RICHARD	1965	-	6	X	220	W	134	H	--	--	H	25	--	4	-	P
W	15	424004N0714935.1	875	KAIVOLA	1964	-	--	X	200	W	13	H	40	9-64	H	2	--	3	-	-
W	16	424002N0714930.1	900	MASON LEON	1964	-	6	X	140	W	13	--	50	9-64	H	12	--	--	-	P
W	17	424000N0714929.1	890	WALSH EDWARD	1965	-	6	X	143	W	5	H	--	--	H	30	--	2	-	P
W	18	423852N0714732.1	750	MICRO TOOL CO	1967	R	8	X	110	W	6	--	6	7-72	N	20	--	--	-	-
W	19	423919N071474I.1	670	MISSLIN ALFRED	1946	-	--	-	108	W	--	--	60	-46	H	6	--	--	-	-
W	20	423926N0714744.1	685	RAJALA JOHN	1925	V	1	T	35	W	--	R	28	--	H	--	--	--	-	-
W	21	423929N0714747.1	685	LANGILLE EDMUND	1958	W	2	S	28	W	--	R	7	-58	H	50	--	--	-	-
W	22	423932N0714749.1	670	MORRILL P	1958	W	1	S	36	W	--	R	28	--	H	35	--	--	-	-
W	23	424004N071490I.1	800	VANVOOR8IS B	--	-	--	-	212	U	10	--	--	--	H	--	--	--	-	-
W	24	424006N0714901.1	825	MILLER	1965	-	6	X	105	W	15	--	5	10-65	H	5	--	--	-	-
W	25	424150N0714715.1	655	LAHTI HAROLD	1964	-	6	X	51	W	15	--	--	--	S	35	19	2	-	-
W	26	424101N0714756.1	755	QUADRELLE P	--	-	--	-	200	W	--	--	--	--	H	--	--	--	-	-
W	27	424034N0714648.1	565	SAARI RICHARD	1965	R	8	X	156	-	23	--	26	-65	-	--	--	--	-	-
W	28	424031N0714653.1	565	STEINUS HUGO W	1966	-	6	X	200	W	5	--	--	--	H	2	--	2	-	-
W	29	424055N0714754.1	725	CALLAHAN R	1971	D	36	O	20	W	--	T	--	--	H	.3	--	--	-	P
W	30	423946N0714740.1	645	COMEAU HOMER N	1965	-	6	X	283	W	20	--	10	5-65	C	7	--	--	-	-
W	31	423820N0714739.1	700	JOYCE FRANCIS	--	-	--	-	--	W	--	--	--	--	H	--	--	--	-	P
W	32	423824N0714738.1	690	KOSKI WALTER	--	-	--	-	10	W	--	R	--	--	H	--	--	--	-	P
W	33	423831N0714738.1	695	BEAL RAYMOND	--	-	--	-	--	W	--	--	--	--	H	--	--	--	-	P
W	34	424009N0714827.1	840	CURRAN JAMES	--	-	6	X	101	W	15	--	8	-52	H	18	--	--	-	P
W	35	424020N0714843.1	860	LOMEGHO PHILIP	1971	A	--	-	130	W	--	--	--	--	H	--	--	--	-	P

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					ASHBY --CONTINUED														
W	36	424029N0714848.1	890	TJILIKKOLA	--	-	--	--	W	--	--	--	--	H	--	--	--	-	P
W	37	424029N0714850.1	890	KOEHLER E E	1964	-	6	X	130	W	6	--	28	8-64	H	7	101	3	-	P
W	38	424002N0714805.1	790	BOURN COLIN	1971	A	6	X	240	W	95	--	40	3-71	H	3	--	--	-	P
W	39	423925N0714806.1	760	ROSS LEO	1953	C	6	X	96	W	16	--	F	--	H	3	--	--	-	-
W	40	423916N0714811.1	880	HONKALA DONALD	1964	-	6	X	185	W	60	--	35	9-64	H	12	--	3	-	P
W	41	423817N0714714.1	695	JAKOBOWICZ J H	1966	-	6	X	300	W	18	--	68	5-66	H	3	--	--	-	-
W	42	424213N0714901.1	990	BOYNTON ALVAH R	1965	-	6	X	365	W	10	H	100	4-65	H	45	--	--	-	-
W	43	424142N0714754.1	770	PHILBRICK OREN	1965	-	6	X	540	W	--	H	--	--	S	--	--	--	-	-
W	44	424137N0714649.1	672	GERRY PAUL	--	-	--	-	100	W	--	H	--	--	H	--	--	--	-	-
W	45	424049N0714635.1	630	SPIEGEL JOSEPH	--	-	6	-	220	W	--	H	160	-70	H	6	--	--	-	P
W	46	424107N0714655.1		STONE KENNETH	--	-	--	-	--	W	--	--	--	--	H	--	--	--	-	P
W	47	424028N0714807.1	825	OUELLETTE R	--	-	--	-	--	W	--	--	--	--	H	--	--	--	-	P
W	48	424026N0714820.1	785	BOLDUC JOSEPH	--	D	50	W	7	W	--	T	2	9-72	H	--	--	--	-	P
W	49	424044N0714730.1	655	SAARI RICHARD E	1965	-	6	X	180	W	57	H	--	--	H	15	--	2	-	-
W	50	423930N0714727.1	670	MANTYLA EERO	1 72	-	4	-	415	W	--	H	415	--	H	20	--	--	-	-
W	51	423911N0714735.1	690	SOMERO ROY	1964	-	8	-	113	W	8	H	6	-64	H	10	--	--	-	-
W	52	424040N0714911.1		ASHBY TOWN	--	-	--	-	--	W	--	H	--	--	P	--	--	--	-	-
W	53	424137N0715119.1			--	-	--	-	--	-	--	H	--	--	-	--	--	--	-	-
W	54	424130N0715112.1		ASHBY TOWN	--	-	--	-	--	W	--	H	--	--	R	--	--	--	-	-
W	55	424053N0714745.1	705	FITZGERALD E S	1972	D	36	O	12	W	--	R	3	8-72	H	--	--	--	-	P
					AYER														
B	1	423331N0713508.1	237	MDPW	1931	W	--	O	19	T	--	--	--	--	U	--	--	--	D	-
B	2	423331N0713508.2	241	MDPW	1931	-	--	-	42	T	--	--	13	-31	U	--	--	--	D	-
B	3	423328N0713603.1	226	MDPW	1931	-	--	-	36	T	--	--	--	--	U	--	--	--	D	-
B	4	423308N0713428.1	213	MDPW	1941	-	--	-	48	T	--	--	--	--	U	--	--	--	D	-
W	1	423333N0713336.1	230	AYER TOWN	1942	V	2	-	41	T	41	R	--	--	U	--	--	--	D	-
W	2	423304N0713439.1	230	AYER TOWN	1942	-	--	-	62	T	--	R	4	8-42	U	100	3	32	D	-
W	3	423309N0713711.1	208	AYER ICE CO	--	V	2	O	29	W	29	R	10	10-58	N	50	--	--	G	-
W	4	423328N0713521.1	225	HARTNETT TANNER	--	-	--	G	60	W	--	R	--	--	C	520	--	--	G	-
W	5	423303N0713512.1	220	FORT DEVENS	--	V	2	D	75	W	--	R	--	--	P	--	--	--	G	-
W	8	423305N0713453.1	230	AYER TOWN	1952	C	12	S	60	T	--	G	5	--	U	550	3	--	-	-
W	9	423305N0713453.2	230	AYER TOWN	1952	W	12	-	60	T	--	3R	6	6-52	U	750	--	--	D	-
W	12	423448N0713632.1	220	AYER TOWN	1967	W	2	P	24	T	--	8R	--	--	U	--	--	--	D	-
W	13	423442N0713605.1	220	AYER TOWN	1967	W	2	P	36	T	--	--	--	--	U	--	--	--	D	-
W	15	423310N0713701.1	210	AYER TOWN	1967	W	2	P	29	T	--	R	8	12-67	U	--	--	--	D	-
W	17	423412N0713549.1	227	TOMS FOOD WORLD	1958	C	8	X	392	W	29	--	4	3-58	C	5	--	--	-	-
W	18	423448N0713601.1	220	AYER GAME FARM	--	P	6	X	290	W	15	N	8	--	H	10	--	--	-	-
W	19	423338N0713516.1	260	PRIEST H B	1961	A	6	X	152	W	0	--	73	8-61	H	15	--	--	-	-
W	20	423347N0713525.1	235	COLD STORAGE CO	1954	-	8	-	25	T	25	S	--	--	U	--	--	--	D	-
W	21	423349N0713530.1	220	KLEENIT INC	1955	W	2	-	16	T	16	2S	4	1-55	U	--	--	--	D	-
W	25	423311N0713311.1	233	AYER TOWN	1942	W	2	O	58	T	--	8G	--	--	U	--	--	--	D	-
W	26	423337N0713309.1	231	AYER TOWN	1942	W	2	O	65	T	--	S	--	--	U	--	--	--	D	-
W	27	423307N0713421.1	238	AYER TOWN	1952	W	2	O	55	T	--	R	--	--	U	--	--	--	D	-
W	28	423315N0713506.1	225	AYER TOWN	1942	W	2	O	27	T	27	R	--	--	U	--	--	--	D	-
W	39	423324N0713519.1	220	HARTNETT TANNER	1956	W	2	O	44	T	--	--	10	11-56	U	--	--	--	D	-
W	40	423321N0713524.1	230	HARTNETT TANNER	1956	W	2	O	57	T	57	R	11	11-56	U	60	2	6	D	-
W	41	423315N0713516.1	218	HARTNETT TANNER	1955	W	2	D	58	T	--	R	3	4-55	U	52	1	6	D	-
W	42	423327N0713525.1	224	HARTNETT TANNER	1955	W	2	O	52	T	52	6R	6	--	U	--	--	--	D	-
W	43	423327N0713641.1	212	FORT DEVENS	1966	-	18	S	93	W	108	R	9	1-66	P	600	11	117	D	-
					BOLTON														
B	1	422722N0713844.1	230	MDPW	--	-	--	-	70	T	--	S	3	--	U	--	--	--	D	-
W	18	422723N0713639.1	530	TURNER PAUL	1958	C	6	X	90	W	33	--	38	-58	H	5	--	--	-	-
W	19	422729N0713638.1	485	CRISPIN	1954	C	6	X	116	W	36	--	15	-54	H	2	--	--	-	-
W	20	422729N0713638.2	485	CRISPIN	1954	C	6	X	264	U	41	--	50	-54	H	1	--	--	-	-
W	43	422736N0713823.1	235	BOLTON TOWN	1968	W	2	S	90	T	--	9X	8	11-68	U	9	--	--	D	-
W	44	422711N0713801.1	380	NASHOBA SCHOOL	1960	W	2	S	68	T	70	6S	14	3-60	U	0	--	--	D	-
W	59	422744N0713556.1	558	PRESCOTT LEE R	1968	A	6	X	188	W	25	--	20	10-68	H	4	--	--	-	-
W	60	422547N0713927.1	310	RUNAWAY BRK CC	1956	-	12	S	128	W	128	R	52	1-56	I	1230	--	48	D	P
W	62	422659N0713759.1	385	NASHOBA SCHOOL	1960	A	8	X	300	W	39	--	7	4-60	T	80	--	24	-	P
W	63	422731N0713833.1	235	DEERFOOT FARMS	1949	-	10	S	128	W	--	R	26	11-49	-	--	--	--	D	-
W	64	422631N0713728.1	515	BOLTON FRUIT CO	1959	-	6	X	195	W	53	--	19	1-59	-	15	--	--	-	-
W	65	422715N0713837.1	243	BOLTON FRUIT CO	1953	W	2	S	25	W	--	S	12	8-53	-	20	--	2	D	-
W	69	422705N0713709.1	485	BARTLETT R A MD	1966	P	6	X	600	W	6	--	--	--	H	.5	--	--	-	-
W	72	422759N0713757.1	255	BOISSE ROBT	1961	-	6	S	70	W	--	U	40	-61	H	7	--	--	-	-
W	78	422812N0713745.1	260	COMERFORD JOHN	1951	C	6	X	287	W	114	--	39	9-51	H	30	--	--	-	-
W	79	422803N0713750.1	264	CROSSMAN A J	1948	C	6	S	75	W	--	--	43	8-48	H	25	--	--	-	-
W	80	422804N0713754.1	260	DAY GEORGE	1944	-	6	S	46	W	--	--	10	1-44	H	25	--	--	-	-
W	81	422800N0713750.1	266	DURIVAGE F M	1963	-	6	S	70	W	--	--	38	1-63	H	40	--	--	-	-
W	85	422746N0713736.1	395	CRAIN F B	1954	-	6	X	253	W	10	--	27	8-54	H	9	--	--	-	-
W	97	422639N0713724.1	450	HINES RICHARD	1953	C	6	X	31	W	11	--	10	2-53	H	20	--	--	-	-
W	106	422712N0713706.1	495	PLATTER	1969	-	6	X	125	W	3	--	5	4-69	H	25	--	--	-	-
W	109	422701N0713704.1	515	RHODES SUSAN G	1966	P	6	X	185	W	16	--	--	--	H	3	--	--	-	-
W	111	422703N0713851.1	235	TOBIN JOHN J	1960	W	1	S	70	W	--	S	15	4-60	H	15	--	--	D	-
W	115	422704N0713851.1	229	LEOMINSTER CITY	1961	-	1	S	93	T	92	9S	2	2-61	U	65	--	--	D	-
W	116	422707N0713849.1	229	LEOMINSTER CITY	1961	-	1	S	93	T	93	9S	0	2-61	U	65	--	--	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
BOLTON --CONTINUED																		
W 117	422708N0713846.1	231	LEOMINSTER CITY	1961 -	1	S	102	T	101	8R	+1	2-61	U	60	--	--	D	-
W 118	422731N0713831.1	246	LEOMINSTER CITY	1961 -	1	S	127	T	127	R	21	3-61	U	--	--	--	D	-
W 119	422733N0713833.1	235	LEOMINSTER CITY	1961 -	1	O	87	T	--	8P	--	--	U	--	--	--	D	-
W 120	422734N0713828.1	235	LEOMINSTER CITY	1961 -	1	S	125	T	125	9S	6	2-61	U	60	--	--	D	-
W 121	422728N0713834.1	250	LEOMINSTER CITY	1961 -	2	S	103	T	103	R	22	3-61	U	45	--	--	D	P
W 122	422748N0713804.1	245	SCHNEIDER HARRY	1968 C	6	-	125	W	75	--	25	-68	H	20	--	--	-	-
W 123	422753N0713750.1	275	KUNST JOHN	1966 W	2	S	60	W	--	R	21	6-61	H	--	--	--	-	-
W 124	422750N0713732.1	380	LEMAY RICHARD A	-- A	--	X	248	W	--	--	--	--	H	--	--	--	-	P
BOYLSTON																		
W 2	422234N0714159.1	615	ROSE JAMES J	-- -	--	X	100	W	--	--	--	--	H	--	--	--	-	-
W 3	422236N0714157.1	585	PARKER ALBERT C	1963 -	6	X	240	W	9	--	48	10-63	H	2	--	--	-	-
W 4	422216N0714248.1	540	SULLIVAN R W JR	1955 C	6	X	130	W	4	--	12	1-55	H	15	--	--	-	-
W 5	422223N0714206.1	530	OLIN PAUL A	1951 C	6	X	102	W	8	--	18	12-51	H	5	--	--	-	-
W 44	422140N0714252.1	500	MOORE DAVID	1966 -	6	X	90	W	52	--	8	10-66	H	5	40	4	-	-
W 45	422129N0714244.1	532	POPE ALFRED F	1968 P	6	X	300	W	13	--	--	--	H	8	--	--	-	-
W 46	422120N0714210.1	555	ZEPP WARREN B	1952 C	6	X	77	W	17	--	4	9-52	H	5	--	--	-	-
W 54	422050N0714237.1	630	TAYLOR GEORGE	1967 P	6	X	200	W	28	--	--	--	H	3	--	--	-	-
W 57	422036N0714352.1	550	MOORE JOHN W	1962 P	6	X	130	W	14	--	10	3-62	H	8	--	--	-	-
W 65	422027N0714439.1	440	WOOD NELSON P	1957 W	2	P	22	W	--	U	--	8-57	H	11	--	--	-	-
W 66	422033N0714437.1	460	GARFIELD H S	-- -	6	X	73	W	10	--	9	5--	H	10	--	--	-	-
W 67	422057N0714432.1	565	WILLIAMS F R	1950 C	6	X	206	W	3	--	40	11-50	H	3	--	--	-	-
W 68	422206N0714250.1	525	BARTLETT ROBT	1959 P	6	X	328	W	16	--	21	6-59	H	2	--	--	-	-
W 69	422141N0714249.1	500	MOORE JOHN W	1960 -	6	X	93	W	6	--	18	7-60	H	5	--	--	-	-
W 70	422158N0714345.1	450	BRIGHAM HERBERT	1957 P	6	X	255	W	20	--	10	12-57	H	4	--	--	-	-
W 71	422120N0714329.1	520	KASSAY ATTILA	1960 P	6	X	88	W	4	--	15	4-60	H	6	--	--	-	-
W 72	422155N0714147.1	570	CUTLER HOWARD B	1967 P	6	X	180	W	30	--	25	6-67	H	20	--	--	-	-
W 77	422233N0714155.1	560	CHIARELLJ LUIGI	1943 C	6	X	71	W	--	--	7	12-43	H	5	--	--	-	-
W 79	422048N0714212.1	629	WEAUER ROBERT R	1969 A	6	X	90	W	30	H	6	10-69	H	4	--	--	-	-
W 80	422120N0714243.1	560	SPENCER KNOLLIN	1964 -	6	X	102	W	13	H	20	12-64	H	5	--	--	-	-
W 85	422017N0714446.1	415	BOYLSTON W D	-- -	12	G	78	W	--	R	--	--	P	32--	--	--	-	-
CLINTON																		
B 1	422436N0714052.1	272	MDPW	1936 -	--	-	21	T	--	4S	+16	3-36	U	--	--	--	D	-
B 2	422557N0714048.1	251	MDPW	1940 W	--	-	80	T	--	R	--	--	U	--	--	--	D	-
W 1	422434N0714048.1	270	VAN BRODE MILL	1946 C	12	S	51	W	--	U	11	7-46	N	100	11	4	-	-
W 3	422508N0714001.1	252	HOPFMAN BROS	1945 C	8	S	37	W	--	U	11	7-45	N	100	10	--	-	-
W 4	422440N0714207.1	328	CLINTON TOWN	1967 W	2	P	20	T	--	--	1	9-67	U	15	--	--	-	P
W 5	422435N0714053.1	560	VAN BRODE MILL	1964 W	2	S	54	T	--	--	--	--	U	15	--	--	D	-
W 6	422436N0714046.1	555	VAN BRODE MILL	1964 W	2	-	21	T	--	--	--	--	U	--	--	--	D	-
W 7	422423N0714015.1	365	RYLL JOHN	1948 C	6	X	70	W	0	--	20	7-48	H	2	--	--	-	-
W 8	422441N0714021.1	378	SULLIVAN F J	1966 P	6	X	500	W	7	--	25	6-66	H	5	--	--	-	-
W 9	422515N0714133.1	320	VAN BRODE MILL	1967 W	2	S	46	T	55	--	24	7-67	U	--	--	--	D	-
W 10	422517N0714133.1	310	VAN BRODE MILL	1967 W	2	O	61	T	--	--	--	--	U	--	--	--	D	-
W 11	422518N0714139.1	300	SUPRENANT MFG	1961 C	24	G	36	W	--	4G	7	4-61	N	250	13	--	D	P
W 12	422520N0714139.1	298	SUPRENANT MFG	1961 C	12	G	40	W	40	4G	4	4-61	N	273	18	27	D	P
W 13	422024N0714142.1	305	SUPRENANT MFG	1963 C	12	S	97	W	97	3G	14	8-63	N	302	66	24	D	P
W 14	422522N0714141.1	298	SUPRENANT MFG	1963 C	12	G	54	W	--	3R	10	9-63	N	400	16	24	D	P
W 15	422520N0714134.1	300	GORHAM FRANK	1957 P	6	X	75	W	--	--	--	--	H	--	--	--	-	-
W 16	422530N0714142.1	315	QUEENEY JAMES	1960 P	6	X	313	W	38	--	--	--	H	.5	--	--	-	-
W 17	422533N0714119.1	295	MARINE PLASTICS	1961 P	8	X	1000	W	35	--	18	3-61	N	15	--	--	-	-
W 18	422525N0714131.1	298	CLINTON PLASTIC	1963 C	8	S	65	W	--	4G	4	1-63	N	300	15	--	D	P
W 19	422605N0714117.1	265	COLONIAL PRESS	1963 -	18	G	122	W	123	R	48	11-63	N	1040	30	176	D	-
W 20	422601N0714122.1	270	COLONIAL PRESS	1963 -	2	S	83	T	--	R	18	4-63	U	35	--	--	D	-
W 21	422555N0714130.1	295	COLONIAL PRESS	1963 -	2	O	185	T	185	SP	--	--	U	--	--	--	D	-
W 22	422550N0714135.1	310	COLONIAL PRESS	1963 -	2	O	148	T	146	SP	--	--	U	--	--	--	D	-
W 23	422603N0714119.1	265	COLONIAL PRESS	1963 -	2	S	54	T	--	R	12	4-63	U	50	--	--	D	P
X 1	422354N0714101.1	355	MDC	1957 B	4	X	49	T	19	--	2	11-57	U	--	--	--	-	-
X 2	422506N0714112.1	310	CLINTON SR HIGH	1960 V	2	O	55	T	--	Y	2	3-60	U	--	--	--	D	-
X 3	422502N0714113.1	315	ST JOHNS CHURCH	1966 V	2	O	13	T	13	--	--	--	U	--	--	--	D	-
X 4	422447N0714110.1	375	OUR LADY JASNA	1960 V	2	O	16	T	9	--	--	--	U	--	--	--	D	-
DUNSTABLE																		
W 21	424027N0713150.1	252	GARDNER JOHN	-- D	36	W	50	W	--	U	7	4-39	H	--	--	--	-	-
W 31	423924N0713111.1	205	ENGLISH W G	-- D	36	W	11	W	--	U	6	6-39	H	--	--	--	-	-
W 32	423903N0713140.1	220	FEDL LAND BANK	-- D	36	W	25	U	--	U	21	6-39	U	--	--	--	-	-
W 33	423913N0713141.1	210		-- D	42	W	22	U	--	U	18	6-39	U	--	--	--	-	-
W 34	423928N0713152.1	240	CONNOLLY THOMAS	-- D	24	W	25	W	--	U	19	6-39	H	--	--	--	-	-
W 36	424012N0713145.1	225	HOUSE E	1930 D	6	O	60	W	--	--	--	--	H	--	--	--	-	-
W 37	424011N0713148.1	225	HOUSE E	-- D	42	W	10	U	--	U	6	6-39	U	--	--	--	-	-
W 39	424051N0713151.1	198		-- D	36	W	1 18	U	--	U	15	6-39	U	--	--	--	-	-
W 40	424112N0713147.1	210	TULLY CLARA	-- D	36	W	11	W	--	--	6	6-39	H	--	--	--	-	-
W 44	424143N0713236.1	190	MARTIN C V	-- D	36	W	25	W	--	U	12	6-39	H	--	--	--	-	-
W 45	424126N0713250.1	200	CHAPMAN E B	-- D	36	W	16	W	16	--	9	6-39	H	--	--	--	-	-
W 46	424053N0713255.1	200		-- D	48	W	12	U	--	U	9	6-39	U	--	--	--	-	-
W 64	423855N0713203.1	279	TROTMAN GERALD	1969 R	6	X	189	W	109	--	145	-69	H	7	--	--	-	-
W 65	423856N0713201.1	275	HUNTER A	1971 R	--	X	413	W	100	--	--	--	H	7	--	--	-	-
W 66	423901N0713157.1	255	CLOUGH L	1973 D	--	O	15	W	--	R	--	--	H	--	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED		WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					DUNSTABLE --CONTINUED															
W	67	423919N0713141.1	225	LACOMBE HENRY	1945	V	4	S	209	W	--	S	--	--	H	--	--	--	-	-
					FITCHBURG															
B	1	423512N0714834.1	456	MDPW	1951	V	--	-	14	T	--	--	--	--	U	--	--	--	D	-
B	2	423452N0714746.1	438	MDPW	1953	V	1	-	34	T	--	--	--	--	U	--	--	--	-	-
W	1	423538N0714658.1	420	FITCHBURG CITY	1950	W	8	S	21	T	23	BG	4	5-50	U	30	2	5	D	-
W	2	423536N0714658.1	420	FITCHBURG CITY	1950	W	2	S	45	T	--	G	7	5-50	U	40	1	3	D	-
W	3	423535N0714707.1	420	FITCHBURG CITY	1950	W	2	-	17	T	17	BR	--	--	U	--	--	--	D	-
W	4	423423N0714637.1	360	FITCHBURG CITY	1950	W	2	O	5	T	--	--	--	--	U	--	--	--	D	P
W	5	423521N0714638.1	420	FITCHBURG CITY	1950	W	2	-	34	T	--	R	--	--	U	--	--	--	D	-
W	6	423519N0714641.1	400	FITCHBURG CITY	1950	W	2	O	13	T	--	2S	--	--	U	--	--	--	D	-
W	7	423517N0714644.1	390	FITCHBURG CITY	1950	W	2	O	14	T	--	2S	--	--	U	--	--	--	D	-
W	8	423514N0714646.1	385	FITCHBURG CITY	1950	W	2	-	19	T	--	Q	--	--	U	--	--	--	D	-
W	9	423419N0714630.1	362	FITCHBURG CITY	1950	W	8	S	60	T	66	4G	7	6-50	U	250	11	25	D	P
W	10	423417N0714626.1	363	FITCHBURG CITY	1950	W	2	S	40	T	--	G	11	7-50	U	20	0	3	D	-
W	11	423424N0714631.1	358	FITCHBURG CITY	1950	W	8	S	50	T	5B	R	4	6-50	U	390	12	23	D	-
W	12	423421N0714625.1	358	FITCHBURG CITY	1950	W	8	S	60	T	--	R	3	6-50	U	--	12	22	D	-
W	13	423442N0714626.1	370	FITCHBURG CITY	1950	W	2	S	40	T	--	--	--	--	U	35	11	4	D	-
W	14	423437N0714626.1	370	FITCHBURG CITY	1950	W	2	S	40	T	--	2S	7	5-50	U	30	--	--	D	-
W	15	423404N0714631.1	363	SIMONDS SAW STL	1946	V	12	G	60	W	60	R	12	--	N	400	18	--	-	-
W	16	423346N0714626.1	355	FALULAH PAPER	--	V	2	-	57	W	--	R	--	--	N	--	--	--	-	P
W	17	423650N0714752.1	730	KELLY BARTOW	1968	P	6	X	700	W	7	--	51	9-68	H	2	--	--	-	-
W	18	423534N0714630.1	470	PIERCE ERNEST	1966	P	6	X	175	W	11	--	5	7-66	H	3	--	--	-	-
W	19	423404N0714708.1	435	WACH POTATO CHP	1961	P	6	X	460	W	45	--	60	5-61	N	200	--	--	-	-
W	20	423407N0714702.1	425	CHUBBYS MARKET	1954	C	8	X	291	W	32	--	10	5-54	C	72	--	--	-	-
W	21	423609N0714716.1	585	WILSON BERNARD	1965	-	6	X	705	W	35	--	50	5-65	H	2	--	--	-	-
W	22	423319N0714509.1	380	GOTHAM INDUSTRY	1965	W	2	S	46	T	--	--	6	5-65	U	60	2	3	-	-
W	23	423352N0714619.1	352	PIERMAROCCHI F	1967	A	6	S	61	W	--	BG	28	3-67	C	60	11	--	D	-
W	24	423344N0714636.1	370	DUVAL CAMILLE	1960	P	6	X	208	W	46	--	--	--	H	6	--	--	-	-
W	25	423540N0714747.1	750	FORD MAYNARD	1965	P	6	X	510	W	2	--	D	6-65	H	--	--	--	-	-
W	26	423532N0714843.1	750	CROCKER C T 3RD	1966	P	6	X	204	W	7	--	18	6-66	H	4	--	--	-	-
W	27	423540N0714825.1	685	CROCKER DOUGLAS	1965	-	6	X	265	W	144	--	20	4-65	H	12	--	--	-	-
W	28	423552N0714852.1	810	HARROWER NORMAN	1965	P	6	X	700	W	67	--	50	5-65	H	2	--	--	-	-
W	29	423508N0714833.1	465	FITCHBURG CITY	1965	P	6	X	990	W	60	--	F	12-65	P	33	--	--	-	-
W	30	423453N0714628.1	368	MATTHEWS MOTORS	1962	P	6	X	130	W	65	--	10	9-62	C	200	--	--	-	-
W	31	423505N0714637.1	378	PLAZA CAR WASH	1965	W	2	S	29	W	--	R	8	5-65	C	35	--	--	-	-
W	32	423427N0714644.1	368	ST BERNARDS CEM	1966	W	8	S	46	W	--	4S	1	7-66	I	140	26	24	D	P
W	33	423509N0714643.1	378	BERKEY PHOTO	1969	C	12	G	36	W	--	R	9	4-69	C	125	9	24	D	-
W	34	423315N0714703.1	500	KING MITCHELL E	1951	C	6	X	74	W	14	--	--	--	H	6	--	--	-	-
W	35	423317N0714657.1	500	FORREST ANGLINE	1965	-	6	X	90	W	22	--	10	3-65	H	15	--	--	-	-
W	36	423324N0714702.1	488	CHRISTIAN F	1963	P	6	X	140	W	16	--	7	4-63	H	7	--	--	-	-
W	37	423419N0714653.1	390	RUSSO CONST CO	1971	P	6	X	42	T	40	--	5	3-71	U	50	--	--	-	-
W	38	423358N0714616.1	370	AZARIAN PLASTIC	1964	W	2	O	27	T	--	3R	14	11-64	U	35	3	6	-	P
W	39	423407N0714622.1	363	SIMONDS S + S	1965	C	18	G	44	W	--	4G	18	2-65	N	400	15	24	D	-
W	40	423433N0714955.1	540	FITCHBURG PAPER	1952	-	8	X	280	W	56	--	+3	4-52	N	80	--	28	-	-
W	41	423437N0714955.1	525	FITCHBURG PAPER	1956	-	8	O	55	T	49	--	--	--	U	--	--	--	D	-
W	42	423432N0715001.1	530	FITCHBURG PAPER	1956	-	8	-	71	T	71	--	--	--	U	--	--	--	D	-
W	43	423417N0714712.1	410	GR AMER PLASTIC	1956	-	8	X	645	T	10	--	9	3-56	U	25	--	--	-	-
W	44	423506N0714904.1	485	WATATIC SPIN	1944	C	8	S	59	T	--	S	8	12-44	U	100	8	--	D	-
W	45	423350N0714621.1	351	FALULAH PAPER	1964	C	18	G	68	W	72	R	18	9-64	N	900	32	24	D	-
W	46	423355N0714624.1	355	FALULAH PAPER	1968	C	18	G	62	W	--	R	20	10-68	N	710	20	25	D	P
W	47	423448N0714726.1	425	FITCHBURG G & E	1966	-	6	X	360	W	50	--	13	2-66	C	2	--	--	-	-
W	48	423333N0714614.1	365	LEOMINSTER CITY	1953	-	8	S	55	T	62	R	9	12-53	U	200	3	29	D	-
W	49	423352N0714942.1	755	OAK HILL CC	1968	-	6	X	400	W	70	--	43	8-68	I	45	--	12	-	-
W	50	423348N0714932.1	755	OAK HILL CC	1965	-	6	X	400	W	34	--	--	--	I	30	--	--	-	-
W	51	423703N0714955.1	968	CASASSA EUGENE	1964	-	6	X	270	W	76	--	62	6-64	H	1	--	--	-	-
W	52	423614N0715049.1	960	WIITA AHTI O	1967	-	6	-	184	W	50	--	50	3-67	H	3	--	--	-	-
W	53	423519N0715049.1	870	DESGRDSEILLIERS	1953	-	6	X	200	W	27	--	22	3-53	-	8	--	--	-	-
W	54	423758N0714745.1	750	FERGUSON WM	1946	-	6	X	172	W	9	--	--	--	H	2	--	--	-	-
W	55	423644N0715059.1	1092	FAIRBANKS ROBT	1964	-	6	X	160	W	17	--	20	9-64	H	1	--	--	-	-
W	56	423719N0714707.1	810	WEEKS NORMAN	1961	-	6	X	400	W	18	--	12	1-61	H	1	--	--	-	-
W	57	423611N0715032.1	1010	ROMAND A J	--	-	6	X	220	W	40	--	--	--	H	6	--	--	-	-
W	58	423433N0715014.1	595	SOLOMITO A J	1964	P	6	X	115	W	46	--	--	--	H	3	--	--	-	-
W	59	423347N0714914.1	758	LAMOTHE ALBERT	1965	-	6	X	135	W	10	--	38	7-65	H	125	--	--	-	-
W	60	423328N0714954.1	848	GODIN ROBT A	1965	-	6	X	895	W	46	--	--	6-65	H	--	--	--	-	-
W	61	423529N0714825.1	625	DEJONGE LOUIS	1961	C	8	X	550	W	--	--	10	9-61	-	45	--	--	-	-
W	62	423343N0714826.1	812	COOK R P	1953	-	6	X	120	W	24	--	13	8-53	H	6	--	--	-	-
W	63	423711N0715101.1	1150	BROWN DMITRI P	1957	-	6	X	430	W	36	--	123	12-57	H	6	--	--	-	-
W	64	423740N0715018.1	1000	STEWART DIAN B	1967	-	6	X	220	-	104	--	--	--	-	2	--	3	-	-
W	65	423322N0714640.1	428	LEOMINSTER CITY	1950	W	2	S	45	T	--	S	--	--	U	12	3	1	D	-
X	1	423248N0714503.1	318	FITCHBURG CITY	1968	W	2	O	27	T	--	2S	2	3-68	U	--	--	--	D	-
X	2	423244N0714506.1	322	FITCHBURG CITY	1968	W	2	O	30	T	--	2S	4	3-68	U	--	--	--	D	-
X	3	423245N0714510.1	322	FITCHBURG CITY	1968	W	2	O	20	T	--	2S	2	3-68	U	--	--	--	-	-
X	4	423338N0715046.1	589	FITCHBURG CITY	1968	W	2	O	14	T	--	9S	2	6-68	U	--	--	--	D	-
X	5	423354N0714610.1	350	FITCHBURG CITY	1968	W	2	D	21	T	--	--	D	6-68	U	--	--	--	-	-
X	6	423346N0714611.1	349	FITCHBURG CITY	1968	W	2	O	18	T	--	--	D	6-68	U	--	--	--	D	-
X	7	423336N0714606.1	345	FITCHBURG CITY	1968	W	2	O	12	T	--	--	D	6-68	U	--	--	--	D	-
X	8	423330N0714601.1	332	FITCHBURG CITY	1968	W	2	O	16	T	--	4R	4	6-68	U	--	--	--	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					FITCHBURG --CONTINUED													
X 9	423324N0714555.1	332	FITCHBURG CITY	1968 W	2	O	9	T	--	4R	7	6-68	U	--	--	--	D	-
X 10	423311N0714538.1	338	FITCHBURG CITY	1968 W	2	O	9	T	--	3S	7	6-68	U	--	--	--	D	-
X 11	423400N0714646.1	370	FITCHBURG CITY	1968 W	2	O	10	T	--	--	D	6-68	U	--	--	--	D	-
					GARDNER													
W 76	423710N0715805.1	1085	CAMP COLLER	1964 -	6	X	90	W	8	--	16	-64	H	25	--	--	-	P
					GROTON													
W 1	423845N0713138.1	235	FITZPATRICK J	-- D	36	W	26	W	--	--	11	6-39	H	--	--	--	-	-
W 4	423808N0713405.1	270	GOSSELIN ROBT	1966 -	6	X	251	W	33	--	37	9-66	H	--	--	--	-	-
W 5	423826N0713412.1	250	GOSSELIN BLDRS	1967 -	6	X	203	W	101	--	28	6-67	H	8	195	3	-	-
W 9	423905N0713411.1	235	MANDERSON M	1965 -	6	X	188	W	53	--	15	5-65	H	3	--	--	-	-
W 10	423914N0713411.1	230	PRIEST DAVID B	1967 P	6	X	320	W	56	--	37	12-67	H	4	--	--	-	-
W 11	423825N0713334.1	300	ENGLISH HAROLD	1969 P	6	X	530	W	23	--	--	--	H	2	--	--	-	-
W 12	423824N0713339.1	300	ENGLISH GERARD	1966 -	6	X	100	W	12	--	10	4-66	H	5	--	--	-	-
W 16	423756N0713848.1	270	ARCHAMBAULT L S	1969 P	6	X	310	W	15	--	5	8-69	H	2	--	--	-	-
W 17	423847N0713915.1	280	ROBERTSON N	1965 -	4	X	26	W	8	--	17	2-65	H	--	--	--	-	-
W 18	423859N0713928.1	288	WEATHERBEE R N	1960 P	6	X	220	W	18	--	10	4-60	H	2	--	--	-	-
W 19	423851N0713920.1	285	STERN MILTON	-- -	--	-	125	W	--	--	--	--	H	--	--	--	-	P
W 23	423546N0713323.1	330	JOHNSON NORMAN	1961 P	6	X	160	W	61	--	--	--	H	6	--	--	-	-
W 24	423654N0713436.1	335	ONEILL EDW J	1951 C	6	X	106	W	76	--	20	12-51	H	4	--	--	-	-
W 25	423700N0713512.1	250	WILLETS M L	1967 P	6	X	380	W	10	--	10	11-67	H	1	--	--	-	-
W 26	423635N0713637.1	218	KEZAR WM B	1949 C	6	X	70	W	36	--	20	7-49	H	3	--	--	-	-
W 27	423658N0713644.1	250	HAYES JOSEPH S	1958 P	6	X	230	W	40	--	14	5-58	H	10	--	--	-	-
W 28	423801N0713401.1	275		1962 P	6	X	140	W	15	--	8	10-62	H	2	--	--	-	-
W 29	423923N0713249.1	262	HOLT JOHN E	1965 P	6	X	245	W	10	--	--	--	H	10	--	--	-	-
W 30	423749N0713721.1	320	NORRIS DAVID L	1970 P	6	X	185	W	12	--	--	--	H	2	--	--	-	-
W 31	423842N0713223.1	240	DOLIVE JANET	1957 -	6	X	100	W	10	--	10	10-57	H	2	--	--	-	-
W 33	423502N0713456.1	295	WHITE DOUGLAS	1967 -	6	X	143	W	8	--	21	6-67	H	12	--	3	-	-
W 47	423715N0713834.1	265	BERTOZZI RALPH	1960 P	6	X	101	W	18	--	--	--	H	15	--	--	-	-
W 49	423752N0713258.1	302	LIVINGSTONE MEL	-- -	6	X	58	W	22	--	--	--	H	10	--	--	-	-
W 50	423630N0713632.1	228	FLOYD HARRY	1949 C	6	X	174	W	31	--	17	7-49	H	2	--	--	-	-
W 51	423713N0713654.1	290	NORRIS DANA T	1960 P	6	X	350	W	9	--	6	5-60	H	2	--	--	-	-
W 52	423842N0713913.1	281	BRITT M C	1953 -	2	P	28	W	23	0	22	-53	H	90	--	--	-	-
W 53	423801N0713851.1	270	BUSCEMI	1954 -	6	X	80	W	74	0	6	8-72	H	12	--	--	-	-
W 54	423553N0713341.1	325	COUNTRY CLUB	1958 -	6	X	200	W	60	--	0	-58	H	10	--	--	-	-
W 55	423518N0713413.1	310	RENNER MAYNARD	-- -	--	-	80	W	--	--	--	--	H	--	--	--	-	-
W 56	423902N0713335.1	248	FORWARD LEONARD	1973 C	6	X	275	W	45	--	30	9-73	H	3	--	--	-	-
W 59	423837N0713346.1	275	NAYLOR EDWIN L	1964 V	2	T	20	W	--	R	12	--	H	--	--	--	-	-
W 60	423830N0713412.1	242	MILLER CHARLES	1965 R	6	X	135	W	--	--	--	--	H	7	--	--	-	-
W 61	423808N0713408.1	255	HANNEMANN PETER	1969 W	2	T	26	W	--	S	--	--	H	--	--	--	-	-
W 62	423851N0713206.1	278	BELL LESLIE G	1964 W	2	S	85	W	--	S	30	-64	H	6	--	--	-	-
W 63	423737N0713636.1	232	GREENHOW PHILIP	1973 -	--	-	500	W	--	--	--	--	H	--	--	--	-	-
W 64	423736N0713635.1	228	ANDREASSEN W	1973 -	--	X	380	W	--	--	--	--	H	--	--	--	-	-
W 65	423835N0713336.1	270	GROTON TOWN	1963 W	2	O	37	T	38	2R	1	5-63	U	--	--	--	D	-
W 66	423837N0713324.1	270	GROTON TOWN	1963 W	2	O	26	T	29	2R	4	6-63	U	--	--	--	D	-
W 67	423838N0713332.1	268	GROTON TOWN	1963 W	2	O	26	T	29	R	1	6-63	U	--	--	--	D	-
W 68	423546N0713620.1	211	GROTON TOWN	1663 W	2	O	66	T	--	6S	7	6-63	U	--	--	--	D	-
W 69	423738N0713504.1	210	GROTON TOWN	1963 W	2	O	22	T	22	S	2	6-63	U	--	--	--	D	-
W 70	423833N0713424.1	212	GROTON TOWN	1963 W	2	O	25	T	25	2S	1	6-63	U	--	--	--	D	-
W 71	423739N0713445.1	225	GROTON TOWN	1963 W	2	O	18	T	18	2S	1	6-63	U	--	--	--	D	-
W 72	423741N0713438.1	235	GROTON TOWN	1663 W	2	O	18	T	20	S	4	6-63	U	--	--	--	D	-
W 73	423738N0713618.1	202	GROTON TOWN	1963 W	2	-	54	T	--	R	10	6-63	U	--	--	--	D	-
W 74	423835N0713209.1	220	GROTON TOWN	1963 W	2	O	35	T	35	2R	3	12-63	U	--	--	--	D	-
W 75	423658N0713547.1	250	GROTON TOWN	1966 W	2	O	62	T	--	S	4	5-66	U	--	--	--	D	-
					HARVARD													
B 1	423210N0713448.1	234	MDPW	1942 W	--	-	20	T	--	--	--	--	U	--	--	--	D	-
B 2	423214N0713542.1	255	MDPW	1941 W	--	O	92	T	92	S	--	--	U	--	--	--	D	-
B 3	423307N0713714.1	226	MDPW	1943 W	1	-	28	T	--	--	--	--	U	--	--	--	D	-
B 5	423122N0713425.1	246	MDPW	1949 W	1	-	40	T	--	R	2	9-49	U	--	--	--	D	-
B 6	423126N0713456.1	321	MDPW	1949 W	1	-	29	T	39	--	--	--	U	--	--	--	D	-
B 7	423120N0713404.1	307	MDPW	1949 W	1	-	26	T	--	R	12	11-49	U	--	--	--	D	-
B 10	423114N0713800.1	218	MDPW	1949 W	1	-	58	T	--	8P	1	12-49	U	--	--	--	D	-
B 11	423102N0713633.1	265	MDPW	1950 W	1	-	108	T	--	S	26	1-50	U	--	--	--	D	-
B 12	423101N0713626.1	275	MDPW	1949 W	1	-	82	T	--	2S	35	12-49	U	--	--	--	D	-
B 13	423109N0713557.1	333	MDPW	1949 W	1	-	31	T	--	6R	3	12-49	U	--	--	--	D	-
W 4	422842N0713512.1	567	MORSE C B MD	1954 C	6	X	88	W	--	--	13	7-54	H	13	--	--	-	-
W 6	422830N0713521.1	582	PILKINGTON D W	1953 -	6	X	80	W	15	--	31	-53	H	8	--	--	-	-
W 10	422911N0713507.1	565	SMITH CLARENCE	1952 C	6	X	147	W	11	--	30	10-52	H	6	--	--	-	-
W 11	422912N0713507.1	565	KROPP GEO V	1952 C	6	X	133	W	21	--	10	2-52	H	20	--	--	-	-
W 12	422917N0713459.1	570	NEWMAN C A	1964 P	6	X	83	W	8	--	--	--	H	40	--	--	-	-
W 14	422755N0713603.1	528	GROSS ERVIN JR	1960 P	6	X	175	W	30	--	25	10-60	H	4	--	--	-	-
W 15	422825N0713530.1	565	KLEIN J LESTER	1960 P	6	X	64	W	18	--	--	--	H	14	--	--	-	-
W 16	422828N0713541.1	505	LAHANAS C J	1960 P	6	X	69	W	22	--	20	3-60	H	10	--	--	-	-
W 17	422825N0713548.1	465	HALL STANLEY B	1959 P	6	X	129	W	7	--	--	--	H	10	--	--	-	-
W 18	422828N0713546.1	473	TILLEY WM	1958 P	6	X	68	W	21	--	20	8-58	H	6	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					HARVARD --CONTINUED														
W	20	422830N0713614.1	385	HEINZ GOEHRING	1955 -	6	X	96	W	--	--	0	-SS	H	15	--	--	-	-
W	21	422854N0713620.1	360	GATES KENNETH M	1971 P	6	X	245	W	110	--	--	--	H	20	--	--	-	-
W	22	422927N0713458.1	520	STRONG R A	1953 C	6	X	89	W	10	--	10	7-53	H	4	--	--	-	-
W	23	422850N0713548.1	405	HOSIE JAMES	1964 -	6	X	102	-	19	--	10	--	H	6	--	--	-	-
W	24	422853N0713542.1	400	GRAHAM JOHN S	1962 P	6	X	95	W	14	--	7	9-62	H	40	--	--	-	-
W	25	422846N0713549.1	418	JOHANSSON EOW	1960 P	6	X	420	W	8	--	12	12-60	H	3	--	--	-	-
W	26	422848N0713539.1	450	FARLEY EDWARD	1955 P	6	X	155	W	30	--	7	6-55	H	10	--	--	-	-
W	27	422922N0713521.1	415	WETHERBEE R E	1957 P	6	X	130	W	2	--	--	--	H	4	--	--	-	-
W	28	422930N0713510.1	445	OSBOURNE A	1957 P	6	X	110	W	9	--	11	6-57	H	10	--	--	-	-
W	29	422932N0713509.1	445	STRANG DONALD B	1955 P	6	X	105	W	14	--	11	4-55	H	5	--	--	-	-
W	30	422949N0713424.1	520	GORDON HERBERT	1965 P	6	X	115	W	14	--	--	--	H	6	--	--	-	-
W	31	422938N0713508.1	405	WELLS IRVING	1961 P	6	X	85	W	28	--	3	3-61	H	7	--	--	-	-
W	32	422940N0713508.1	395	TITUS SIDNEY	1961 P	6	X	108	W	34	--	F	3-61	H	10	--	--	-	-
W	33	422935N0713437.1	520	LEE JOHN	1957 P	6	X	110	W	60	--	10	5-57	H	5	--	--	-	-
W	34	423010N0713529.1	362	LOZIER F	1960 P	6	X	42	W	6	--	2	4-60	H	20	--	--	-	-
W	35	422858N0713403.1	382	SMITH FRANKLIN	1965 P	6	X	100	W	7	--	--	--	H	5	--	--	-	-
W	36	423027N0713346.1	545	DUNLAP JAMES A	1958 P	6	X	175	W	2	--	19	9-58	H	5	--	--	-	-
W	37	422951N0713552.1	345	GREEN EYRIE CMP	1963 P	6	X	150	W	4	--	16	11-63	P	7	--	--	-	-
W	38	422931N0713701.1	419	SAWYER HELEN	1964 P	6	X	200	W	82	--	20	12-64	H	2	--	--	-	-
W	39	422923N0713646.1	432	MAXANT THED W	1970 P	6	X	195	W	92	--	60	10-70	H	4	--	--	-	-
W	40	422918N0713658.1	425	MAXANT WM T	1970 P	6	X	185	W	41	--	30	2-70	H	12	--	--	-	-
W	44	423250N0713423.1	250	MAXANT WM T	1949 C	6	X	140	W	26	--	+1	3-49	H	15	--	--	-	-
W	45	423235N0713433.1	285	HAWBUCK ORCHARD	1963 P	6	X	500	W	9	--	10	5-63	-	10	--	--	-	-
W	46	423231N0713433.1	280	DOE WM G	1958 P	6	X	100	W	9	--	12	7-58	H	8	--	--	-	-
W	47	423111N0713648.1	245	FORT DEVENS	1941 -	24	G	76	W	--	G	10	1-41	P	800	6	73	D	-
W	48	423111N0713648.2	245	FORT DEVENS	1940 W	2	S	76	O	--	R	3	12-40	U	40	01	10	D	-
W	57	423024N0713509.1	390	BURDICK	1949 C	6	X	126	W	60	JO	--	--	H	4	--	--	-	-
W	60	423209N0713432.1	288	WILKY DIANNE E	1970 P	6	X	100	W	61	--	--	--	-	6	--	--	-	-
W	61	423140N0713517.1	350	FOUNTAIN HUGH G	1959 P	6	X	72	W	1	--	--	--	H	5	--	--	-	-
W	62	423139N0713443.1	265	HARVARD COM CTR	1949 C	6	X	134	W	87	--	F	9-49	P	8	--	--	-	-
W	63	423136N0713417.1	280	REEHL WILLIAM	1966 P	6	X	130	W	23	--	20	10-66	C	6	--	--	-	-
W	64	423038N0713456.1	280	WOOD HENRY S	1961 P	6	X	90	W	44	--	2	8-61	H	10	--	--	-	-
W	65	423040N0713530.1	354	GREEN CARROLL	1964 P	6	X	65	W	5	--	40	12-64	H	10	--	--	-	-
W	66	423105N0713459.1	322	SISTD JOHN	1963 P	6	X	170	W	64	--	--	--	H	25	--	--	-	-
W	67	423120N0713512.1	385	TROY SHERMAN P	1960 P	6	X	175	W	3	--	20	4-60	H	2	--	--	-	-
W	68	422818N0713536.1	552	CALLAHAN J C	1952 P	6	X	81	W	24	--	20	10-52	H	20	--	--	-	-
W	69	423233N0713424.1	285	DOE ORLANDO	1954 P	6	X	98	W	38	--	8	6-54	H	4	--	--	-	-
W	75	423015N0713457.1	335	THOMAS GEORGE	1954 C	6	X	50	W	30	--	21	9-54	H	4	--	--	-	-
W	76	423002N0713608.1	450	TUFTS LANA	1965 P	6	X	70	W	5	--	--	--	H	4	--	--	-	-
W	77	423030N0713635.1	425	FRUITLANDS MUS	1969 P	6	X	350	T	20	--	20	9-69	U	18	--	--	-	-
W	78	423025N0713631.1	453	FRUITLANDS MUS	1948 C	6	X	275	W	26	--	3	4-48	H	9	--	--	-	-
W	79	422852N0713737.1	230	HARVARD TOWN	1971 W	2	O	48	T	47	T	4	8-71	U	--	--	--	D	-
W	80	422943N0713737.1	225	HARVARD TOWN	1971 W	2	O	19	T	19	--	--	--	U	--	--	--	D	-
W	81	423113N0713446.1	298	HARVARD TOWN	1971 W	2	D	33	T	33	T	2	7-71	U	--	--	--	D	-
W	82	423116N0713423.1	249	HARVARD TOWN	1971 W	2	O	50	T	5/	--	2	7-71	U	--	--	--	D	-
W	83	423051N0713429.1	258	HARVARD TOWN	1971 W	2	O	49	T	--	--	6	7-71	U	--	--	--	D	-
W	84	423050N0713434.1	260	HARVARD TOWN	1971 W	2	O	5	T	9	--	--	--	U	--	--	--	D	-
W	85	423051N0713423.1	260	HARVARD TOWN	1971 W	2	D	27	T	27	--	1	7-71	U	--	--	--	D	-
W	86	423137N0713433.1	249	HARVARD TOWN	1971 W	2	D	53	T	53	--	4	9-71	U	--	--	--	D	-
W	87	422946N0713512.1	355	HARVARD TOWN	1953 C	8	X	--	T	--	--	22	9-53	U	40	--	--	-	-
W	92	422943N0713649.1	435	DAY DORIS M	1960 C	6	X	186	W	--	--	--	--	H	20	--	--	-	-
W	93	423202N0713530.1	295	COX ELIZABETH	1970 A	6	X	200	W	--	--	--	--	H	--	--	--	-	-
W	94	423152N0713530.1	328	BISSON RAYMOND	1970 -	6	X	350	W	70	--	--	--	H	5	--	--	-	-
W	100	422958N0713357.1	568	BUNCH JERRY H	1966 -	6	X	124	W	15	--	15	7-70	H	--	--	--	-	-
W	101	423002N0713545.1	360	REEDY JOHN H	1965 -	--	-	95	W	10	--	23	--	H	--	--	--	-	-
W	102	423146N0713622.1	251	FORT DEVENS	1952 -	42	-	64	W	--	R	--	--	P	1050	--	--	-	-
W	103	422804N0713558.1	394	HORNE JOHN F	1955 C	6	X	110	W	6	--	12	-55	H	22	--	--	-	-
W	104	422836N0713718.1	281	HARRIS REV JOHN	1960 V	6	X	100	W	--	--	--	--	H	--	--	--	-	-
W	105	422836N0713717.1	300	HARRIS REV JOHN	-- V	6	X	250	W	--	--	--	--	H	--	--	--	-	-
					HOLDEN														
W	1	422208N0715423.1	885	CONDON CO	1949 C	8	X	100	W	30	--	40	8-49	N	20	--	--	-	-
W	2	422321N0714914.1	600	AHLFORS WILLIAM	1949 D	--	-	12	W	--	--	10	8-49	H	--	--	--	-	-
W	3	422319N0714920.1	610	SKANTZ CONRAD	1946 C	--	X	79	W	--	--	20	11-46	H	10	--	--	-	-
W	4	422309N0715007.1	610	WELCH JAMES E	-- D	30	-	14	W	--	U	20	8-49	H	--	--	--	-	-
W	5	422235N0715101.1	630	BRODEUR HECTOR	-- C	6	X	120	W	--	--	38	--	H	4	--	--	-	-
W	6	422306N0715112.1	670	DOMENITIS TONY	1942 C	6	X	107	W	--	--	37	8-49	H	26	--	--	-	-
W	7	422422N0715214.1	875	DOURDEVILLE T	-- D	30	W	22	U	--	W	21	8-49	U	--	--	--	-	-
W	8	422424N0715212.1	870	DOURDEVILLE T	-- D	30	W	22	U	--	W	18	8-49	U	--	--	--	-	-
W	9	422421N0715210.1	870	DOURDEVILLE T	-- D	30	W	17	U	--	W	16	8-49	U	--	--	--	-	-
W	10	422405N0715133.1	750	YOUNG HAROLD	-- C	6	X	104	W	--	--	--	--	S	40	--	--	-	-
W	11	421905N0715056.2	800	PATRIDGE WARREN	1939 C	6	X	97	W	--	--	19	--	H	5	--	--	-	-
W	12	421822N0715153.1	920	PAPALIA PHILIP	-- C	--	X	264	W	22	--	--	--	S	8	--	--	-	-
W	13	421933N0715103.1	862	PROUTY RICHARD	1946 C	6	X	390	W	23	--	105	8-49	H	8	--	--	-	-
W	14	421953N0715138.1	850	NIELSON A J	1941 C	6	X	114	W	18	--	8	11-41	S	5	--	--	-	-
W	15	421955N0715140.1	845	KNOWLTON E	1949 C	6	X	80	W	13	--	18	5-49	H	20	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER MEASURED DATE	WATER MEASURED USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					HOLDEN --CONTINUED													
W 16	421955N0715137.1	850	MAENPAA D A	--	C --	X	189	-	20	--	24	8-49	-	--	--	--	-	-
W 17	421926N0715241.1	810	KROPP O ARTHUR	--	D --	-	12	-	--	--	11	8-49	-	--	--	--	-	-
W 18	421917N0715322.1	905	DRAWBRIDGE GEO	--	C 6	X	135	W	12	--	11	8-49	S	50	--	--	-	-
W 19	422030N0715154.1	845	SKERRY LEWIS K	--	- --	-	100	W	--	--	15	-35	H	10	3	24	-	-
W 20	422029N0715159.1	875	PORTER A E	1931	C 6	X	60	W	--	--	22	-49	H	25	--	--	-	-
W 21	422001N0715333.1	860	WORCESTER CITY	--	C --	X	67	W	45	--	--	--	H	40	--	--	-	-
W 22	422002N0715333.2	860	WORCESTER CITY	1941	C 8	X	175	W	10	--	35	-91	H	20	--	--	-	-
W 23	422202N0715532.1	1025	HARRINGTON D F	1948	C 6	X	154	W	92	--	37	11-48	S	8	--	--	-	-
W 24	421952N0715043.1	745	NORDQUIST ERIC	--	D --	-	16	W	--	W	16	8-49	H	--	--	--	-	-
W 25	421946N0714959.1	745	OLESON HENRY	--	D 30	W	15	W	--	W	14	8-49	H	--	--	--	-	-
W 26	421915N0715000.1	725	LINDQUIST R	--	D 24	O	14	W	--	W	13	8-49	H	--	--	--	-	-
W 27	421950N0715039.1	730	NYGARD OSCAR	1932	D 30	W	9	W	--	W	6	8-49	S	--	--	--	-	-
W 28	422309N0715337.1	860	CORNWALL J P	1939	C 6	X	200	W	175	--	--	--	H	--	--	--	-	-
W 29	422330N0715235.1	745	NAPOLIS JAMES	--	D 30	W	20	W	--	W	--	--	H	--	--	--	-	-
W 30	422330N0715238.1	730	NAPOLIS JAMES	--	D 96	W	9	U	--	U	7	8-49	I	--	--	--	-	-
W 31	422057N0715010.1	695	OLSON E	1939	D 36	-	22	W	--	U	14	8-49	H	--	--	--	-	-
W 32	422143N0715042.1	650	BREWER CHAS H	1928	C 6	X	172	W	103	--	50	--	S	15	--	--	-	-
W 33	422104N0714929.1	805	HENRICKSON JOHN	1948	C 6	X	87	W	37	--	6	2-48	H	4	--	--	-	-
W 34	422005N0715341.1	890	WORCESTER CITY	--	C 6	X	175	-	--	--	18	8-49	-	--	--	--	-	P
W 35	422111N0715019.1	650	KOENIG THEODORE	1937	C 6	X	139	W	20	--	21	9-37	S	--	--	--	-	P
W 36	422203N0715146.1	760	DIMMICK	--	C --	-	--	W	--	--	--	--	S	--	--	--	-	-
W 37	411944N0715105.1	830	ALTONEN RICHARD	1947	V --	T	24	U	--	--	--	--	U	--	--	--	-	-
W 38	422122N0714940.1	745	ALBRECHT LESLIE	1948	C 6	X	145	W	27	--	50	4-48	H	4	--	--	-	-
W 39	422128N0714946.1	700	LAWTON HELEN G	1943	C 6	X	90	W	--	--	10	5-43	H	20	--	--	-	-
W 42	421914N0715004.1	720	COOPER W F	1957	P 6	X	98	W	22	--	10	8-57	H	4	--	--	-	-
W 44	422044N0715022.1	655	HOLDEN TOWN	1951	W 2	P	42	T	--	--	--	--	U	--	--	--	D	-
W 45	422202N0715043.1	590	HOLDEN TOWN	1951	- 2	-	76	T	--	7S	--	--	U	--	--	--	D	-
W 46	422153N0715008.1	558	HOLDEN TOWN	1951	W 2	S	110	T	--	S	15	10-51	U	20	2	5	D	P
W 47	422153N0714950.1	578	HOLDEN TOWN	1951	- 2	-	47	T	--	--	--	--	U	--	--	--	D	-
W 48	422201N0715004.1	565	HOLDEN TOWN	1951	- 2	-	73	T	--	4S	--	--	U	--	--	--	D	-
W 49	422140N0715013.1	565	HOLDEN TOWN	1951	- 2	-	70	T	--	8Q	--	--	U	--	--	--	D	-
W 50	422210N0715254.1	750	HOLDEN TOWN	1951	C 8	S	45	T	45	4R	12	9-51	U	115	11	--	D	-
W 51	422216N0715056.1	572	HOLDEN TOWN	1951	C 8	-	57	T	57	R	--	--	U	--	--	--	D	-
W 52	422230N0715108.1	588	HOLDEN TOWN	1951	C 8	S	44	T	55	4G	6	-51	U	140	22	--	D	P
W 53	422225N0715100.1	585	HOLDEN TOWN	1951	C 8	S	38	T	38	6R	--	--	U	--	--	--	D	-
W 54	422202N0715252.1	780	HOLDEN TOWN	1951	W 2	S	42	T	--	4S	5	-51	U	38	2	--	D	-
W 55	421920N0715020.1	718	HOLDEN TOWN	1951	C 8	-	97	T	97	--	--	--	U	--	--	--	D	-
W 56	422227N0715109.1	630	HOLDEN TOWN	1951	W 2	S	46	T	--	2S	4	-51	U	35	4	3	D	-
W 57	422157N0715017.1	560	HOLDEN TOWN	1951	C 8	-	44	T	44	R	--	--	U	--	--	--	D	-
W 58	422142N0715014.1	570	HOLDEN TOWN	1951	C 8	S	54	T	58	G	8	-51	U	--	--	--	D	P
W 59	422144N0715016.1	565	HOLDEN TOWN	1951	C 8	-	54	T	54	--	--	--	U	--	--	--	D	-
W 60	422235N0715403.1	715	HOLDEN TOWN	1951	C 8	-	41	T	--	R	--	--	U	--	--	--	D	-
W 61	422222N0715345.1	570	HOLDEN TOWN	1951	C 8	-	98	T	98	--	--	--	U	--	--	--	D	-
W 62	422216N0715052.1	572	HOLDEN TOWN	1951	C 8	-	63	T	63	R	--	--	U	--	--	--	D	-
W 63	422207N0715247.1	738	HOLDEN TOWN	1951	W 2	-	50	T	--	S	--	--	U	--	--	--	D	P
W 64	422209N0715249.1	738	HOLDEN TOWN	1951	W 2	S	39	T	45	4S	4	10-51	U	60	1	--	D	-
W 65	422207N0715254.1	750	HOLDEN TOWN	1954	C 24	G	40	W	--	4R	4	10-54	P	258	18	48	D	-
W 66	422230N0715104.1	590	HOLDEN TOWN	1958	C 24	G	41	W	--	9S	8	8-58	P	300	10	48	D	P
W 67	422232N0715110.1	600	HOLDEN TOWN	1959	C 24	G	37	W	--	4G	18	8-59	P	204	10	48	D	P
W 68	422243N0715120.1	590	HOLDEN TOWN	1966	W 2	S	24	W	32	R	4	2-66	P	60	--	2	D	-
W 69	421918N0715016.1	720	HOLDEN TOWN	1951	W 2	O	97	T	--	7R	--	--	U	--	--	--	D	-
W 70	421928N0715008.1	740	HOLDEN TOWN	1951	W 2	O	69	T	--	--	--	--	U	--	--	--	D	-
W 71	422009N0715057.1	250	SWIMMING POOL	1950	C 8	X	308	W	8	--	16	4-50	R	120	--	12	-	-
W 72	422404N0715232.1	800	SOBOL ANTHONY	1953	C 6	X	73	W	14	--	17	11-53	H	13	--	--	-	-
W 73	422356N0715124.1	732	MERCIER EDW F	1962	P 6	X	200	W	28	--	--	--	H	3	--	--	-	-
W 74	422322N0715050.1	660	ROBICHAUD E	1964	P 6	X	93	W	52	--	21	7-64	H	12	--	--	-	-
W 75	422331N0715050.1	695	MCLAUGHLIN JOHN	1955	P 6	X	58	W	28	--	21	5-55	H	10	--	--	-	-
W 76	422434N0715020.1	690	PETERS DOROTHY	1958	P 6	X	120	W	18	--	6	6-58	H	6	--	--	-	-
W 77	422316N0714935.1	650	GRANT MARJORIE	1970	P 6	X	200	W	8	--	35	2-70	H	4	--	--	-	-
W 78	422317N0714932.1	642	DRESSER WALDO	1965	- 6	X	400	W	15	--	145	10-65	H	.5	--	--	-	-
W 79	422315N0715118.1	685	LYMAN DORIS	1966	- 6	X	105	W	33	--	10	6-66	H	4	--	--	-	-
W 80	422310N0715123.1	670	PEABODY CURTIS	1951	C 6	X	110	W	35	--	35	4-51	H	.8	--	--	-	-
W 81	422259N0715113.1	642	ZIMMERMAN R J	1957	P 6	X	160	W	35	--	18	4-59	H	4	--	--	-	-
W 82	422237N0715052.1	640	BARRY WM J	1949	C 6	X	95	W	21	--	15	10-49	H	10	--	--	-	-
W 83	422217N0715106.1	598	HIGGINS FRANK C	1957	P 6	X	223	W	49	--	20	8-57	H	2	--	--	-	-
W 84	422204N0715057.1	612	HANDY ERNEST A	1957	P 6	X	140	W	60	--	22	6-57	H	10	--	--	-	-
W 85	422152N0715114.1	740	MCINTOSH K	1963	P 6	X	320	W	50	--	33	6-63	H	3	--	--	-	-
W 86	422139N0715100.1	710	JORDAN CHAS	1965	P 6	X	270	W	14	--	13	4-65	H	3	--	--	-	-
W 87	422128N0715154.1	792	CARLSON JOHN G	1950	C 6	X	105	W	78	--	--	--	H	4	--	--	-	-
W 88	422114N0715134.1	880	HOBBS S T	1950	C 6	X	200	W	72	--	56	8-50	H	10	--	--	-	-
W 89	422129N0715022.1	625	KRIEGER WALTER	1956	P 6	X	245	W	20	--	15	12-56	H	3	--	--	-	-
W 90	422119N0715023.1	635	COOLIDGE CHAS E	1957	P 6	X	150	W	10	--	26	10-57	H	4	--	--	-	-
W 91	422136N0714957.1	630	PIELASZCZYK S	1957	P 6	X	80	W	24	--	F	12-57	H	6	--	--	-	-
W 92	422136N0714955.1	638	BARRY JOSEPH F	1963	P 6	X	220	W	27	--	19	11-63	H	1	--	--	-	-
W 93	422056N0714926.1	805	SKANDIA BAKING	1950	C 8	X	145	W	31	--	19	9-50	C	2	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
							HOLOEN --CONTINUED											
W 94	422049N0714956.1	752	DESROCHES C R	1952	C	6	X	160	W	57	--	10	9-52	H	9	--	--	-	-
W 95	422037N0714949.1	782	WASKIEWICZ F	1952	C	6	X	160	W	60	--	35	8-52	H	8	--	--	-	-
W 96	422041N0714837.1	680	KIMBALL THOMAS	1963	P	6	X	102	W	30	--	--	--	H	12	--	--	-	-
W 97	422029N0714854.1	772	ZOKOWSKI EDWARD	1963	-	6	X	73	W	34	--	15	10-63	H	6	--	--	-	-
W 98	422034N0714854.1	778	BOMBA CHAS W	1952	P	6	X	88	W	31	--	20	2-52	H	2	--	--	-	-
W 99	422011N0715037.1	730	OLSON MFG CO	1969	C	12	G	27	W	--	4G	2	7-69	N	122	14	24	-	-
W 100	422014N0715031.1	710	REED PLASTICS	1971	C	12	S	31	W	--	3R	1	6-71	N	110	16	24	-	-
W 101	422046N0715039.1	735	ALMSTROM HOWARD	1951	W	2	S	80	W	--	U	64	8-51	H	2	--	--	-	-
W 102	422048N0715038.1	730	ZINNO CLARENCE	1957	P	6	X	160	W	102	--	55	7-57	H	10	--	--	-	-
W 103	422010N0715126.1	761	CONNER K F	1952	C	6	X	127	W	41	--	15	5-52	H	12	--	--	-	-
W 104	422006N0715131.1	780	LACROIX GEO L	1968	-	6	X	153	W	74	--	20	11-68	H	--	--	--	-	-
W 105	421948N0715154.1	860	PERRY ROGER	1958	P	6	X	108	W	9	--	33	2-58	H	4	--	--	-	-
W 106	421806N0715152.1	780	MCGRAIL WM H	1961	P	6	X	600	W	46	--	--	--	H	20	--	--	-	-
W 107	422133N0715411.1	955	RICHARDS H G	1953	C	6	X	118	W	S	O	23	12-53	H	5	--	--	-	-
W 108	422053N0715332.1	842	MOROSKI EDWARD	--	-	6	X	112	W	53	H	105	--	H	8	--	4	-	-
W 109	422027N0715240.1	930	FOLEY THOMAS	1968	W	2	S	22	T	--	7R	11	12-68	U	.5	--	--	-	-
W 110	422003N0715248.1	954	STARBARD K A	1952	C	6	X	70	W	15	H	22	2-52	H	2	--	--	-	-
W 111	421937N0715340.1	980	WHITE GEORGE A	1953	C	6	X	235	W	107	O	45	4-53	H	15	--	--	-	-
W 112	421941N0715337.1	982	REED A B	1959	P	6	X	225	W	46	O	50	8-59	H	20	--	--	-	-
W 113	421943N0715321.1	925	MASSEY ROBT K	1961	P	6	X	155	W	56	O	44	6-61	H	12	--	--	-	-
W 114	421926N0715241.2	810	LEMAY JOSEPH E	1958	P	6	X	125	W	11	O	--	--	H	5	--	--	-	-
W 115	422302N0715248.1	738	WARMER GORDON A	--	C	6	X	180	W	20	G	30	-70	H	4	--	--	-	-
W 116	422459N0715052.1	752	OUGAN DAVID	1971	-	--	-	217	W	60	H	--	--	H	11	--	--	-	-
W 117	422320N0715144.1	700	GARDNER INAS	1950	C	--	X	137	W	--	H	--	--	H	--	--	--	-	-
W 118	422316N0715127.1	685	CRYSTOFF W	1947	-	6	X	104	W	30	H	38	-68	H	13	--	--	-	-
W 119	422341N0715108.1	693	LINDQUIST OSCAR	1950	C	8	X	100	W	20	H	--	--	H	--	--	--	-	-
W 120	422211N0715309.1	810	GARDNER WARREN	1955	-	6	X	125	W	12	H	40	--	H	4	--	--	-	-
W 121	422142N0715005.1	605	HORSTMAN FRED	1940	D	--	W	8	W	--	S	4	--	H	10	--	--	-	-
W 122	422131N0714910.1	645	MARSHALL C	1953	D	30	W	8	W	--	R	5	10-72	H	20	--	--	-	-
W 123	422127N0714918.1	665	HINE STANLEY R	1962	A	--	X	100	W	--	--	--	--	H	--	--	--	-	-
W 124	422103N0712306.1	820	BLAKE W D	1968	A	8	X	295	W	--	H	--	--	H	2	--	--	-	-
W 125	422316N0715054.1	672	KEATING ROBERT	--	-	--	-	90	W	--	U	--	--	H	--	--	--	-	-
W 126	422328N0715121.1	715	CARVER EVERETT	1957	-	6	X	68	W	12	H	20	-71	H	5	--	--	-	-
W 127	422438N0715055.1	688	MASON ORRIN W	1969	A	4	X	217	W	10	H	10	6-69	H	50	--	--	-	-
W 128	422317N0714955.1	655	WARG ARTHUR A	1961	A	--	X	215	W	130	H	--	--	H	15	--	--	-	-
W 129	422219N0715118.1	662	FORSBERG E F JR	1952	C	6	X	61	W	13	H	14	1-52	H	2	--	--	-	-
W 130	422316N0714943.1	606	FORSBERG E F	1960	P	6	X	145	W	--	H	34	-60	H	4	--	--	-	-
W 131	422231N0714920.1	580	HOLDEN TOWN	1970	V	2	S	48	W	50	6S	18	12-70	F	--	--	--	D	-
W 132	422234N0714919.1	595	HOLDEN TOWN	1971	P	6	X	240	W	52	H	20	2-71	H	5	--	--	D	-
W 133	422355N0715057.1	630	HOLDEN TOWN	1965	V	2	S	32	T	--	R	2	12-65	U	50	4	1	D	-
W 134	422401N0715057.1	630	HOLDEN TOWN	1965	W	2	-	28	T	28	S	3	12-65	U	--	--	--	D	-
W 135	422326N0715041.1	601	HOLDEN TOWN	1965	W	2	-	20	T	19	--	--	--	U	--	--	--	D	-
W 136	422300N0715017.1	545	HOLDEN TOWN	1965	-	2	-	21	T	--	--	--	--	U	--	--	--	D	-
W 137	422200N0715031.1	565	HOLDEN TOWN	1966	W	2	S	44	T	38	S	6	1-66	U	20	--	--	D	-
W 138	422029N0715009.1	655	HOLDEN TOWN	1966	W	2	-	29	T	--	9S	3	1-66	U	--	--	--	D	-
W 139	422035N0715012.1	655	HOLOEN TOWN	1966	W	2	O	48	T	47	S	4	1-66	U	--	--	--	D	-
W 140	422042N0715019.1	648	HOLDEN TOWN	1966	W	2	S	50	T	55	9S	1	1-66	U	25	--	15	D	-
W 141	422217N0715336.1	785	HOLOEN TOWN	1966	W	2	O	40	T	41	6R	6	1-66	U	--	--	--	D	-
W 142	422018N0715035.1	713	HOLOEN TOWN	1966	W	2	O	18	T	--	--	--	--	U	--	--	--	D	-
W 143	422310N0715209.1	638	HOLDEN TOWN	1966	W	2	O	21	T	--	--	--	--	U	--	--	--	D	-
W 144	422314N0715212.1	670	HOLOEN TOWN	1966	W	2	O	19	T	--	--	--	--	U	--	--	--	D	-
W 145	422220N0715238.1	730	HOLOEN TOWN	1953	W	2	O	38	T	38	--	--	--	U	--	--	--	D	-
W 146	422216N0715246.1	738	HOLDEN TOWN	1953	W	2	O	45	T	--	S	--	--	U	--	--	--	D	-
W 147	422219N0715245.1	738	HOLOEN TOWN	1953	W	2	O	48	T	--	9S	--	--	U	--	--	--	D	-
W 148	422218N0715249.1	731	HOLOEN TOWN	1953	W	2	O	44	T	--	S	4	11-53	U	--	--	--	D	-
W 149	422222N0715253.1	750	HOLDEN TOWN	1953	W	2	O	58	T	--	S	16	10-53	U	--	--	--	D	-
W 150	422214N0715250.1	735	HOLOEN TOWN	1953	V	2	S	38	T	--	S	--	--	U	--	--	--	D	-
W 151	422212N0715216.1	730	HOLDEN TOWN	1953	-	8	S	41	T	41	R	--	--	U	--	--	--	D	-
W 152	422207N0715254.1	742	HOLOEN TOWN	1953	W	2	O	55	T	55	S	--	--	U	--	--	--	D	-
W 153	422303N0715329.1	740	HOLDEN TOWN	1953	W	2	O	41	T	41	9S	3	5-3	U	--	--	--	D	-
W 154	422303N0715132.1	605	HOLDEN TOWN	1953	W	2	O	22	T	--	9S	--	--	U	--	--	--	D	-
W 155	422221N0715105.1	580	HOLDEN TOWN	1953	-	2	O	50	T	--	9S	6	11-53	U	--	--	--	D	-
W 156	422227N0715109.2	575	HOLOEN TOWN	1953	W	2	O	47	T	47	9S	10	11-53	U	--	--	--	D	-
W 157	422202N0715045.1	600	HOLDEN TOWN	1953	W	2	O	48	T	48	S	2	11-53	U	--	--	--	D	-
W 158	422222N0715131.1	645	HOLDEN TOWN	1953	W	2	O	37	T	37	6R	9	11-53	U	--	--	--	D	-
W 159	422227N0715130.1	650	HOLDEN TOWN	1953	W	2	O	43	T	--	S	19	11-53	U	--	--	--	D	-
W 160	422259N0715001.1	510	HOLDEN TOWN	1953	W	2	O	37	T	37	2S	6	11-53	U	--	--	--	D	-
W 161	422303N0714959.1	510	HOLDEN TOWN	1953	W	2	O	49	T	49	9S	--	--	U	--	--	--	D	-
W 162	422230N0714954.1	535	HOLDEN TOWN	1953	W	2	O	24	T	24	--	--	--	U	--	--	--	D	-
W 163	422227N0715050.1	570	HOLOEN TOWN	1953	W	2	S	41	T	41	8R	1	11-53	U	--	--	--	D	-
W 164	422130N0715402.1	885	LARSON ROLF L	1962	R	6	X	124	W	--	O	60	8-62	H	8	--	--	-	-
W 165	422115N0715020.1	643	HEINOLD THOMAS	--	-	6	X	85	W	--	--	--	--	H	3	--	--	-	-
W 166	422043N0714840.1	675	PARKER C R	1965	C	6	X	111	W	--	--	--	--	H	14	--	--	-	P
W 167	422253N0715019.1	563	MOC	1927	-	--	-	25	T	25	--	--	--	U	--	--	--	D	-
W 168	422258N0715223.1	723	MOC	1927	-	--	-	60	T	60	--	--	--	U	--	--	--	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
								HOLDEN --CONTINUED											
X	1	422340N0715251.1	730	WORCESTER CITY	1930	-	--	28	T	--	--	--	--	U	--	--	--	D	-
X	2	422340N0715258.1	720	WORCESTER CITY	1930	-	--	51	T	--	--	--	--	U	--	--	--	D	-
X	3	422340N0715304.1	720	WORCESTER CITY	1930	-	--	35	T	--	--	--	--	U	--	--	--	D	-
								LANCASTER											
B	1	423114N0713802.1	219	MDPW	1949	W	1	79	T	--	3S	2	10-49	U	--	--	--	D	-
B	2	423116N0713810.1	230	MDPW	1949	V	--	123	T	--	--	19	12-49	U	--	--	--	D	-
B	3	423111N0714135.1	369	MDPW	--	V	--	46	T	--	--	22	--	U	--	--	--	D	-
B	4	422651N0714010.1	234	MDPW	--	V	--	50	T	--	R	10	--	U	--	--	--	D	-
W	1	422731N0714135.1	378	PREST JUDGE W	--	D	42	33	U	--	T	4	5-39	U	--	--	--	-	-
W	2	422738N0714138.1	375	BAYARD	--	D	30	18	U	--	T	5	5-39	U	--	--	--	-	-
W	3	422803N0714116.1	290	DEXTER WILLIAM	--	D	30	11	U	--	T	4	5-39	U	--	--	--	-	-
W	4	422806N0714120.1	298	DEXTER WILLIAM	--	D	36	13	U	--	T	5	5-39	U	--	--	--	-	-
W	5	422854N0714107.1	250	MCCANN ICE CRM	--	D	36	14	U	--	W	9	5-39	U	--	--	--	-	-
W	6	422703N0714224.1	470	THAYER B	--	D	30	14	U	--	T	5	5-39	U	--	--	--	-	-
W	7	422711N0714139.1	355	WILLIAM	--	D	30	20	U	--	W	15	5-39	U	--	--	--	-	-
W	8	422519N0714254.1	340	LANCASTER TOWN	1935	W	2	26	T	20	2S	--	--	U	--	--	--	D	-
W	9	422511N0714254.1	335	LANCASTER TOWN	1935	W	2	58	T	60	4R	+2	2-35	U	25	--	--	D	P
W	10	422506N0714254.1	330	LANCASTER TOWN	1935	W	2	56	T	--	4R	+3	1-35	U	10	1	2	D	P
W	11	422502N0714254.1	330	LANCASTER TOWN	1935	W	2	64	T	65	4R	+4	2-35	U	15	6	2	D	P
W	12	422508N0714253.1	340	LANCASTER TOWN	1935	W	2	66	T	65	2G	F	5-35	U	35	--	--	D	-
W	13	422502N0714252.1	340	LANCASTER TOWN	1935	W	2	93	T	93	R	--	--	U	--	--	--	D	-
W	14	422453N0714254.1	330	LANCASTER TOWN	1935	W	2	78	T	--	R	--	--	U	--	--	--	D	-
W	15	422500N0714253.1	335	LANCASTER TOWN	1935	V	2	74	T	--	R	--	--	U	--	--	--	D	-
W	16	422611N0714130.1	260	LANCASTER TOWN	1934	W	2	84	T	--	S	--	--	U	--	--	--	D	-
W	17	422825N0714058.1	240	LANCASTER TOWN	1934	W	2	22	T	--	P	--	--	U	--	--	--	D	-
W	18	422619N0713944.1	246	LANCASTER TOWN	1962	C	24	145	W	--	SR	--	--	P	740	11	48	D	P
W	19	422620N0713943.1	245	LANCASTER TOWN	1968	-	8	120	T	130	3S	7	2-68	U	150	11	48	D	P
W	20	423117N0714207.1	415	HOWARD JOHNSON	1954	C	6	503	W	58	--	20	6-54	C	10	--	--	-	-
W	21	423117N0714207.2	415	HOWARD JOHNSON	1954	C	8	63	W	58	U	27	8-61	C	16	27	--	-	-
W	22	423113N0714137.1	368	BOY SCOUTS	1970	A	6	413	W	164	--	10	4-70	H	2	--	--	-	-
W	23	423051N0714122.1	355	HOWE ROBERT	--	A	6	320	W	--	--	10	7-70	H	3	--	--	-	-
W	24	423054N0714255.1	405	ROBINSON GEORGE	--	-	--	100	W	--	--	--	--	H	--	--	--	-	-
W	25	423054N0714252.1	408	ELMO EDWARD	1964	P	6	140	W	37	N	--	--	H	5	--	--	-	-
W	26	423114N0714236.1	422	MDPW MAINT BLDG	1968	P	6	300	W	24	N	15	6-68	H	8	--	--	-	-
W	27	423144N0714130.1	395	BLANCHETTE	1965	-	6	134	W	125	--	130	--	H	--	--	--	-	-
W	28	423126N0714102.1	355	WINTHROP JACK	1967	W	2	86	T	86	7P	--	--	U	--	--	--	D	-
W	29	423121N0714056.1	345	YMCA CAMP LOWE	1963	V	2	31	W	38	R	10	11-63	P	15	--	--	-	-
W	30	423115N0714108.1	365	DAIGLE ANTONIO	1966	V	3	60	W	--	S	40	11-66	H	--	--	--	D	-
W	31	423137N0714001.1	385	BROWN DAVID	1956	P	6	290	W	10	O	58	3-56	H	1	--	--	-	-
W	32	423057N0714125.1	355	GOULD MORRIS	1957	W	2	30	W	--	R	8	7-57	H	10	--	--	-	-
W	33	423056N0714112.1	360	HUNTER DONALD	1965	-	--	295	W	110	O	--	--	H	1	--	--	-	-
W	34	423048N0714105.1	354	DOYLE COTTAGE	1970	P	6	300	W	135	O	5	10-70	H	2	--	--	-	-
W	35	423036N0714056.1	400	POPOLI ALPHONSE	1965	V	2	23	W	--	S	7	8-65	H	20	--	--	-	-
W	36	422738N0714300.1	492	TYLER ROBT	1965	-	6	105	W	24	N	15	3-65	H	--	--	--	-	-
W	37	422659N0714215.1	445	FABIAN N W	1966	P	6	270	W	30	--	19	7-66	H	2	--	--	-	-
W	38	422636N0714110.1	295	ATLANTIC UNION	1962	V	--	54	T	--	--	--	--	W	--	--	--	-	-
W	39	422619N0714056.1	235	BARMAR PRODUCT	1966	W	2	35	T	42	R	7	11-66	U	60	--	--	D	-
W	40	422808N0713913.1	245	LANCASTER TOWN	1949	W	2	26	T	68	7R	3	7-49	U	--	--	--	D	-
W	41	422817N0714057.1	238	LANCASTER TOWN	1949	W	2	84	T	84	R	--	--	U	--	--	--	D	-
W	42	422632N0714140.1	275	LANCASTER TOWN	--	W	2	52	T	52	6R	--	--	W	--	--	--	D	-
W	43	422609N0714128.1	265	LANCASTER TOWN	1750	W	2	32	T	32	6R	--	--	W	--	--	--	D	-
W	44	422614N0714132.1	268	LANCASTER TOWN	1950	W	2	115	T	125	6R	--	--	W	--	--	--	D	-
W	45	422611N0714135.1	268	LANCASTER TOWN	1950	W	2	125	T	125	9S	+3	8-50	W	--	--	--	D	-
W	46	422610N0714146.1	278	LANCASTER TOWN	1950	W	2	55	T	--	S	--	--	U	--	--	--	D	-
W	47	422608N0714153.1	280	LANCASTER TOWN	1950	W	2	15	T	15	T	--	--	U	--	--	--	D	-
W	48	422609N0714149.1	283	LANCASTER TOWN	1950	W	2	91	T	91	S	--	--	U	--	--	--	D	-
W	49	422613N0714049.1	265	LANCASTER TOWN	1955	W	2	28	T	--	--	--	--	U	--	--	--	D	-
W	50	422627N0713949.1	238	LANCASTER TOWN	1958	W	2	115	T	115	S	--	--	U	--	--	--	D	-
W	51	422607N0713946.1	280	LANCASTER TOWN	1960	W	2	53	T	--	R	31	5-60	U	--	--	--	D	-
W	52	422618N0713932.1	264	LANCASTER TOWN	1960	W	2	81	T	81	R	12	5-60	U	50	--	--	D	-
W	53	422613N0713950.1	260	LANCASTER TOWN	1960	W	2	110	T	110	2S	15	6-60	U	45	--	--	D	-
W	54	422623N0713946.1	240	LANCASTER TOWN	1960	W	2	122	T	122	S	+5	--	U	42	--	--	D	-
W	55	423115N0713830.1		INDUST SCHOOL	--	-	--	--	W	--	R	--	--	T	--	--	--	-	-
W	56	422924N0714257.1	271	LEOMINSTER CITY	1963	-	2	104	T	103	7S	--	--	U	--	--	--	D	-
W	57	422934N0714301.1	272	LEOMINSTER CITY	1963	-	2	119	T	118	7S	3	3-63	U	--	--	--	D	-
W	58	422928N0714248.1	272	LEOMINSTER CITY	1963	-	2	98	T	97	7S	3	4-83	U	--	--	--	D	-
W	59	422927N0714242.1	271	LEOMINSTER CITY	1963	-	2	37	T	--	7S	--	--	U	--	--	--	D	-
W	60	422937N0714315.1	275	LEOMINSTER CITY	1963	-	2	57	T	--	2S	4	4-63	U	3	--	--	D	-
W	61	422938N0714308.1	271	LEOMINSTER CITY	1963	-	2	132	T	--	--	--	--	U	--	--	--	D	-
W	62	423054N0713956.1	415	GLEEZEN KENT	1971	R	6	250	W	18	O	230	-71	H	6	--	--	-	-
W	63	422942N0714301.1	275	LEOMINSTER CITY	1963	W	2	104	T	104	S	--	--	U	--	--	--	D	-
W	64	423118N0714129.1	365	SPARLING SEDA	1974	-	8	500	W	160	--	--	--	H	--	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
								LEOMINSTER											
B	1	423310N0714557.1	387	MDPW	1936	V	1	-	38	T	--	--	--	--	U	--	--	--	D	-
B	2	423235N0714510.1	364	MDPW	1948	V	1	-	52	T	--	--	D	12-48	U	--	--	--	D	-
B	3	423213N0714443.1	347	MDPW	1948	V	--	-	59	T	--	--	--	--	U	--	--	--	D	-
W	1	423032N0714330.1	335	GERRY WILLIAM	--	D	30	W	4	Z	--	U	3	5-39	U	--	--	--	-	-
W	2	423036N0714331.1	340	LAMOUREUX W	--	D	30	W	3	Z	--	--	D	5-39	U	--	--	--	-	-
W	3	423040N0714332.1	335	LAMOUREUX W	--	D	30	W	8	U	--	--	5	5-39	U	--	--	--	-	-
W	4	423040N0714332.2	335	LAMOUREUX W	--	D	36	W	10	U	--	--	9	5-39	U	--	--	--	-	-
W	5	423107N0714508.1	391	US PLASTIC CO	--	D	48	W	0	Z	--	--	--	--	U	--	--	--	-	-
W	6	423245N0714719.1	500	POWERS R	1880	D	60	W	4	U	--	U	2	5-39	U	--	--	--	-	-
W	7	423012N0714448.1	410	MCCAFFERY W F	1926	C	6	X	128	U	9	--	40	1-27	U	--	--	--	-	-
W	8	423155N0714709.1	550	CHANEY	1841	D	36	W	16	U	--	U	4	5-39	U	--	--	--	-	-
W	9	423243N0714713.1	500	MERRIAM H F C	1890	D	48	W	26	U	--	U	14	5-39	U	--	--	--	-	-
W	10	423144N0714404.1	350		--	D	40	W	4	U	--	U	0	5-39	U	--	--	--	-	-
W	11	423154N0714405.1	363	PIERCE G E	--	D	24	W	11	Z	--	U	4	11-63	H	--	--	--	-	-
W	12	423111N0714538.1	410	TISDALE L	--	D	30	W	10	U	--	U	8	5-39	U	--	--	--	-	-
W	13	423104N0714404.1	345	VERGE	--	D	24	-	26	U	--	U	19	5-39	U	--	--	--	-	-
W	14	423037N0714426.1	325	VISCOLOID CO	--	C	8	X	596	U	--	--	--	--	U	--	--	--	-	-
W	15	422913N0714526.1	525	HADLEY GEORGE	--	D	--	W	8	U	--	U	2	5-39	U	--	--	--	-	-
W	16	422902N0714547.1	520	GERRY	--	D	36	W	13	U	--	U	10	5-39	U	--	--	--	-	-
W	18	423230N0714423.1	385		--	D	24	W	11	U	--	U	6	5-39	U	--	--	--	-	-
W	19	423254N0714452.1	385	WYMAN J P	--	D	24	W	8	U	--	U	3	5-39	U	--	--	--	-	-
W	20	423229N0714431.1	365	PHELPS E H	1880	D	--	W	10	U	--	U	4	5-39	U	--	--	--	-	-
W	21	423119N0714601.1	410	GT AMER NOVELTY	1932	C	6	X	120	W	--	--	--	--	N	--	--	--	-	-
W	22	423257N0714348.1	515	HARRIS C W	--	D	24	W	12	U	--	U	4	5-39	U	--	--	--	-	-
W	23	423107N0714549.1	398	LEOMINSTER CITY	1951	-	12	G	41	W	41	R	1	6-51	P	600	17	240	D	P
W	24	423116N0714610.1	430	LEOMINSTER ICE	1959	R	8	X	202	W	37	--	19	-59	N	40	--	24	-	P
W	25	423115N0714611.1	450	LEOMINSTER ICE	1963	R	6	O	270	W	37	--	22	-63	N	35	--	--	-	-
W	26	422912N0714539.1	534	LECLERC ARMAND	1965	P	6	X	415	W	30	--	38	5-65	H	20	--	--	-	-
W	27	422912N0714534.1	536	BILOTTA RAYMOND	1957	P	6	X	230	W	10	--	47	12-57	H	10	--	--	-	-
W	28	422911N0714525.1	538	WILSON TREVOR C	1956	P	6	X	70	W	8	--	11	3-56	H	5	--	--	-	-
W	29	422913N0714523.1	530	CONNOLLY JAMES	1966	-	6	X	328	W	14	--	22	9-66	H	--	--	--	-	-
W	30	422900N0714458.1	548	DONATELLY V N	1960	P	6	X	235	W	7	--	--	--	H	.5	--	--	-	-
W	31	422949N0714517.1	493	LAGOY CONST CO	1957	P	6	X	103	W	6	--	13	9-57	H	2	--	--	-	-
W	32	422958N0714646.1	635	POWERS GERDON	1966	-	6	X	153	W	15	--	147	9-66	H	5	--	--	-	-
W	33	423012N0714645.1	640	PRINGLE J W	1962	P	6	X	300	W	9	--	7	7-62	H	6	--	--	-	-
W	34	423049N0714645.1	640	WILLRUTH THEO	1957	P	6	X	385	W	190	--	85	2-57	H	1	--	--	-	-
W	35	423051N0714642.1	600	TERRY THOMAS J	1966	P	6	X	235	W	4	--	30	10-66	H	3	--	--	-	-
W	36	423053N0714640.1	588	FRYE ROY L	1952	C	6	X	67	W	18	--	14	11-52	H	7	--	--	-	-
W	37	423056N0714649.1	675	RIVARD ALBERT J	1967	P	6	X	162	W	--	--	--	--	H	2	--	--	-	-
W	38	423108N0714701.1	670	PORTER HOWARD	1958	P	6	X	250	W	10	--	14	1-58	H	2	--	--	-	-
W	39	423105N0714621.1	515	LAVALLEE JOS A	1964	P	6	X	240	W	170	--	--	--	H	1	--	--	-	-
W	40	423054N0714622.1	510	NEARY ARTHUR	1964	V	2	P	17	T	--	6R	5	6-64	U	--	--	--	D	-
W	41	423051N0714613.1	485	MARSHALL OLEN P	1952	C	6	X	135	W	0	--	F	6-52	H	4	--	--	-	-
W	42	423102N0714612.1	473	COURTOIS	1965	-	6	X	145	W	22	--	80	8-65	H	--	--	--	-	-
W	43	423118N0714602.1	415	A J RENZI CO	1965	P	6	X	360	W	36	--	12	1-65	N	75	--	--	D	-
W	44	423103N0714546.1	402	LANCO PLASTICS	1966	P	6	X	950	W	--	--	--	--	-	100	--	--	-	-
W	45	423105N0714532.1	378	FIXIT AUTO BODY	1966	P	6	X	265	W	24	--	21	10-66	C	4	--	--	-	-
W	46	423100N0714530.1	370	TOCCI GERARDO	1965	W	2	S	24	W	24	3R	12	1-65	H	30	--	--	D	-
W	47	423045N0714522.1	387	TOCCI AMERIGO	1964	V	2	O	14	T	--	--	--	--	U	--	--	--	D	-
W	48	423036N0714511.1	364	MILLER PLASTICS	1957	V	2	P	18	T	--	--	--	--	U	--	--	--	-	-
W	49	423051N0714512.1	368	AMOCO CHEM CORP	1970	P	6	X	1000	W	26	--	13	11-70	-	150	--	24	-	-
W	50	423101N0714505.1	375	REFRIGERI UGO	1965	P	6	X	450	W	11	--	51	4-65	C	30	--	--	-	-
W	51	423116N0714507.1	382	GABARELLI	1965	-	6	X	325	-	22	--	315	7-65	-	--	--	--	-	-
W	52	423130N0714528.1	412	VENTRA PLASTIC	1967	P	6	X	1120	W	--	--	--	--	N	30	--	--	-	-
W	53	423124N0714548.1	398	STD PYROXOLOID	1964	C	8	S	31	W	--	R	8	11-64	N	100	8	8	D	-
W	54	423138N0714520.1	352	STAR MFG CO	1965	-	6	X	645	W	21	--	--	--	N	50	--	--	D	-
W	55	423137N0714522.1	352	TILTON T COOK	1955	P	6	X	503	W	21	--	12	11-55	H	31	--	--	-	-
W	56	423137N0714521.1	352	TILTON COOK CO	1966	P	6	X	965	W	28	--	40	4-65	-	20	--	--	-	-
W	57	423151N0714533.1	435	DAY WM H	1965	P	6	X	300	W	64	--	--	--	H	4	--	--	-	-
W	58	423154N0714540.1	500	KAVANAUGH D L	1965	-	6	X	207	-	110	--	--	--	-	--	--	--	-	-
W	59	423208N0714513.1	385	LYNCH BRUCE H	1967	P	6	X	125	W	7	--	17	11-67	H	75	--	--	-	-
W	60	423139N0714624.1	422	KINGMAN E B CO	1964	W	2	O	17	T	--	--	--	--	U	--	--	--	-	-
W	61	423145N0714700.1	510	LEOM SKI AREA	1965	W	2	P	32	T	--	--	--	--	U	--	--	--	D	-
W	62	423201N0714627.1	481	DESPO ALEXANDER	1956	P	6	X	140	W	9	--	22	11-56	H	3	--	--	-	-
W	63	423235N0714637.1	480	RUBIN L	1965	-	6	X	145	-	4	--	--	--	H	6	--	--	-	-
W	64	423255N0714618.1	535	DOYLE LOUISE	1965	P	6	X	750	W	47	--	--	--	H	.5	--	--	-	-
W	65	423255N0714618.2	535	DOYLE LOUISE I	1965	P	6	X	68	W	16	--	6	7-65	H	55	--	--	-	-
W	66	423324N0714634.1	425	GRN ACRE NURS	1960	P	6	X	390	W	5	--	20	9-60	H	7	--	--	-	-
W	67	423350N0714516.1	475	FITZGERALD E V	1966	P	6	X	230	W	5	--	--	--	H	12	--	--	-	-
W	68	423357N0714507.1	491	TWINING MARION	1964	P	6	X	85	W	12	--	18	8-64	H	10	--	--	-	-
W	69	423400N0714453.1	508	DEBONIS FLAVIO	1965	-	6	X	145	W	32	--	--	--	C	10	--	--	-	-
W	70	423316N0714436.1	476	MAINVILLE A L	1957	P	6	X	327	W	7	--	--	--	H	.2	--	--	-	-
W	71	423234N0714456.1	338	PLASTICRAFT	1962	C	12	G	27	W	46	R	4	4-62	N	100	18	8	D	P
W	72	423159N0714335.1	486	DESHARNAIS GEO	1965	P	6	X	390	W	21	--	--	--	H	8	--	--	-	-
W	73	423146N0714328.1	513	ROMANO NICHOLAS	1965	P	6	X	250	W	19	--	25	4-65	H	3	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED		WELL DIAMETER (IN)	FINISH	DEPTH (FT)	USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	USE	PUMPAGE YIELD (GPM)	PUMPAGE OD (FT)	PUMPAGE TIME (HR)	LOG	QW
					LEOMINSTER --CONTINUED															
W	74	423134N0714356.1	335	GOODWIN JEAN	1964	-	6	X	122	-	10	--	15	11-64	H	--	--	--	-	-
W	75	423110N0714345.1	300	PAM PLASTIC CO	1964	P	6	X	610	W	--	--	12	8-64	-	100	--	--	-	-
W	76	423126N0714449.1	368	LAVERDIERE A	1965	P	6	X	400	W	115	--	--	--	H	15	--	--	-	-
W	77	423057N0714433.1	361	CLEAR SHIELD CO	1966	P	6	X	840	W	100	--	75	12-66	N	120	--	--	-	-
W	78	423046N0714440.1	380	DOYLE WORKS	1964	P	6	X	235	W	62	--	34	11-64	N	85	--	--	-	-
W	79	423016N0714402.1	324	HILLTOP PLASTIC	1966	C	8	S	97	W	--	2S	--	--	N	40	--	4	D	-
W	80	423014N0714456.1	400	LEOM MOTEL RLTY	1965	W	2	P	22	T	22	2R	3	5-65	U	5	--	--	D	-
W	81	423221N0714521.1	319	FOSTER GRANT	1958	C	8	X	300	W	16	--	F	1-58	N	90	--	24	-	-
W	82	423254N0714713.1	478	LEOMINSTER CITY	1961	-	2	O	23	T	--	--	--	--	U	--	--	--	D	-
W	83	422927N0714337.1	360	LEOMINSTER CITY	1957	-	2	O	25	T	--	9S	25	8-57	U	--	--	--	D	-
W	84	422929N0714332.1	348	LEOMINSTER CITY	1957	-	2	O	27	T	--	--	--	--	U	--	--	--	D	-
W	85	422835N0714345.1	325	LEOMINSTER CITY	1957	-	24	G	81	W	--	9S	3	11-57	P	288	17	7	D	-
W	86	422840N0714346.1	330	LEOMINSTER CITY	1957	-	18	G	54	W	--	4R	9	11-57	P	322	10	7	D	-
W	87	422836N0714349.1	328	LEOMINSTER CITY	1957	-	18	G	53	W	53	4R	7	2-57	P	550	30	I40	D	-
W	88	423032N0714507.1	357	LEOMINSTER CITY	1956	-	8	S	38	T	33	9S	1	12-56	U	155	20	120	D	-
W	89	423035N0714509.1	358	LEOMINSTER CITY	1956	-	2	O	28	T	28	--	--	--	U	--	--	--	D	-
W	90	423039N0714501.1	352	LEOMINSTER CITY	1956	-	2	S	33	T	--	3S	4	12-56	U	50	--	--	D	-
W	91	423043N0714502.1	348	LEOMINSTER CITY	1956	-	2	O	29	T	29	--	--	--	U	--	--	--	D	-
W	92	423039N0714455.1	346	LEOMINSTER CITY	1956	-	2	S	36	T	--	9S	2	3-56	U	18	--	--	D	-
W	93	423034N0714458.1	351	LEOMINSTER CITY	1956	-	2	S	41	T	41	S	3	3-56	U	8	--	--	D	-
W	94	423144N0714237.1	395	LEOMINSTER CITY	1954	-	2	-	59	T	--	6S	1	1-54	U	15	--	--	D	-
W	95	423242N0714504.1	325	LEOMINSTER CITY	1954	-	2	S	53	T	--	S	--	--	U	--	--	--	D	-
W	96	423028N0714517.1	382	LEOMINSTER CITY	1954	-	2	O	34	T	--	S	--	--	U	--	--	--	D	-
W	97	423021N0714403.1	290	LEOMINSTER CITY	1954	-	2	O	53	T	--	--	--	--	U	--	--	--	D	-
W	98	423022N0714359.1	280	LEOMINSTER CITY	1954	-	2	O	58	T	--	S	2	3-54	U	20	--	--	D	-
W	99	423019N0714407.1	301	LEOMINSTER CITY	1954	-	2	S	58	T	58	S	--	--	U	0	--	--	D	-
W	100	423018N0714419.1	325	LEOMINSTER CITY	1954	-	2	O	15	T	--	--	--	--	U	--	--	--	D	-
W	101	423031N0714402.1	290	LEOMINSTER CITY	1954	-	2	S	57	T	--	9S	2	3-54	U	25	--	--	D	-
W	102	423002N0714337.1	295	LEOMINSTER CITY	1954	-	2	O	69	T	--	--	--	--	U	--	--	--	D	-
W	103	423247N0714316.1	390	LEOMINSTER CITY	1954	-	2	-	34	T	--	6S	1	3-54	U	25	--	--	D	-
W	104	423144N0714445.1	298	LEOMINSTER CITY	1954	-	2	O	43	T	43	--	--	--	U	--	--	--	D	-
W	105	423013N0714501.1	395	LEOMINSTER CITY	1954	-	2	O	37	T	--	2Y	3	3-54	U	15	--	--	D	-
W	106	422936N0714433.1	421	LEOMINSTER CITY	1954	-	2	O	31	T	--	--	--	--	U	--	--	--	D	-
W	107	423035N0714416.1	300	LEOMINSTER CITY	1954	-	2	O	23	T	--	--	--	--	U	--	--	--	D	-
W	108	422954N0714344.1	300	LEOMINSTER CITY	1954	-	2	O	47	T	--	--	--	--	U	--	--	--	D	-
W	109	422954N0714339.1	290	LEOMINSTER CITY	1954	-	2	S	33	T	--	4S	--	--	U	--	--	--	D	-
W	110	422955N0714334.1	280	LEOMINSTER CITY	1954	-	2	O	51	T	--	2S	--	--	U	--	--	--	D	-
W	111	423259N0714706.1	476	LEOMINSTER CITY	1954	-	2	O	15	T	--	--	--	--	U	--	--	--	D	-
W	112	423111N0714408.1	292	LEOMINSTER CITY	1954	-	2	O	68	T	--	--	--	--	U	--	--	--	D	-
W	113	423126N0714602.1	415	LEOMINSTER CITY	1954	-	2	O	31	T	--	--	10	10-54	U	--	--	--	D	-
W	114	422940N0714326.1	310	LEOMINSTER CITY	1954	-	2	O	10	T	10	--	--	--	U	--	--	--	D	-
W	115	423217N0714256.1	390	LEOMINSTER CITY	1955	-	2	O	20	T	--	--	2	7-55	U	--	--	--	D	-
W	116	423149N0714518.1	328	LEOMINSTER CITY	1955	-	2	O	38	T	--	--	2	7-55	U	--	--	--	D	-
W	117	423346N0714421.1	435	LEOMINSTER CITY	1955	-	2	O	47	T	47	2S	2	1-55	U	--	--	--	D	-
W	118	423341N0714415.1	441	LEOMINSTER CITY	1955	-	2	O	25	T	--	--	1	1-55	U	--	--	--	D	-
W	119	423051N0714558.1	426	LEOMINSTER CITY	1955	-	2	O	24	T	--	--	1	2-55	U	--	--	--	D	-
W	120	423143N0714634.1	425	LEOMINSTER CITY	1953	-	2	-	17	T	--	--	--	--	U	--	--	--	D	-
W	121	423019N0714429.1	345	LEOMINSTER CITY	1959	-	2	O	29	T	--	--	--	--	U	--	--	--	D	-
W	122	422928N0714329.1	355	LEOMINSTER CITY	1959	-	2	O	35	T	--	--	--	--	U	--	--	--	D	-
W	123	422949N0714858.1	754	LEOMINSTER CITY	1963	-	2	O	21	T	--	--	--	--	U	--	--	--	D	-
W	124	423240N0714309.1	410	CORMIER EDWARD	1970	R	6	X	150	W	15	--	50	-70	H	--	--	--	-	-
W	125	423242N0714305.1	410	GENDRON RENE A	1963	R	8	X	245	W	15	--	20	-69	H	75	--	--	-	-
W	126	423242N0714308.1	390	KIMBALL CHARLES	--	A	6	-	160	-	14	--	F	--	-	--	--	--	-	-
W	127	423239N0714455.1	330	LEOMINSTER CITY	1950	W	2	O	28	T	--	R	--	--	U	--	--	--	D	-
W	128	423238N0714453.1	330	LEOMINSTER CITY	1950	W	2	S	33	-	--	R	3	7-50	-	30	19	8	D	-
W	129	423156N0714441.1	308	LEOMINSTER CITY	1950	W	2	O	35	T	--	R	--	--	U	--	--	--	D	-
W	130	423147N0714429.1	297	LEOMINSTER CITY	1950	W	2	S	52	T	--	--	--	--	U	10	--	--	D	-
W	131	423139N0714436.1	296	LEOMINSTER CITY	1950	W	2	O	50	T	--	--	--	--	U	--	--	--	D	-
W	132	423131N0714416.1	290	LEOMINSTER CITY	1950	W	2	O	30	T	--	--	--	--	U	--	--	--	D	-
W	133	423150N0714444.1	302	LEOMINSTER CITY	1950	W	2	O	30	T	--	--	--	--	U	--	--	--	D	-
W	134	423146N0714439.1	300	LEOMINSTER CITY	1950	W	2	O	40	T	--	--	--	--	U	--	--	--	D	-
W	135	423143N0714428.1	295	LEOMINSTER CITY	1950	W	2	O	30	T	--	--	--	--	U	--	--	--	D	-
W	136	423223N0714437.1	318	LEOMINSTER CITY	1950	W	2	O	42	T	--	--	--	--	U	--	--	--	D	-
W	137	423217N0714446.1	315	LEOMINSTER CITY	1950	W	2	O	65	T	--	--	--	--	U	3	--	--	D	-
W	138	423256N0714548.1	385	LEOMINSTER CITY	1950	W	2	O	18	T	--	--	--	--	U	--	--	--	D	-
W	139	423227N0714451.1	318	LEOMINSTER CITY	1950	W	2	O	62	T	--	--	--	--	U	--	--	--	D	-
W	140	423132N0714412.1	294	LEOMINSTER CITY	1950	W	2	O	8	T	8	--	--	--	U	--	--	--	D	-
W	141	423128N0714411.1	294	LEOMINSTER CITY	1950	W	2	O	10	T	10	--	--	--	U	--	--	--	D	-
W	142	423128N0714359.1	292	LEOMINSTER CITY	1950	W	2	O	17	T	17	--	--	--	U	--	--	--	D	-
W	143	423331N0714354.1	386	LEOMINSTER CITY	1950	W	2	O	17	T	--	--	--	--	U	--	--	--	D	-
W	144	423331N0714350.1	380	LEOMINSTER CITY	1950	W	2	O	17	T	--	--	--	--	U	--	--	--	D	-
W	145	423331N0714347.1	375	LEOMINSTER CITY	1950	W	2	O	19	T	--	--	--	--	U	--	--	--	D	-
W	146	423029N0714451.1	370	LEOMINSTER CITY	1950	W	2	O	35	T	--	S	--	--	U	--	--	--	D	-
W	147	423028N0714451.1	372	LEOMINSTER CITY	1950	W	2	O	15	T	--	R	--	--	U	--	--	--	D	-
W	148	423026N0714451.1	373	LEOMINSTER CITY	1950	W	2	O	18	T	--	R	--	--	U	--	--	--	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED		WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
						LEOMINSTER --CONTINUED														
W	149	423204N0714633.1	433	LEOMINSTER CITY	1950	W	2	O	8	T	8	--	--	--	U	--	--	--	D	-
W	150	423202N0714634.1	432	LEOMINSTER CITY	1950	W	2	O	6	T	6	--	--	--	U	--	--	--	D	-
W	151	423159N0714634.1	432	LEOMINSTER CITY	1950	W	2	O	5	T	5	--	--	--	U	--	--	--	D	-
W	152	423241N0714655.1	472	LEOMINSTER CITY	1950	W	2	O	12	T	--	--	--	--	U	--	--	--	D	-
W	153	423237N0714653.1	472	LEOMINSTER CITY	1950	W	2	O	16	T	--	--	--	--	U	--	--	--	D	-
W	154	423231N0714456.1	323	LEOMINSTER CITY	1950	W	2	S	35	T	--	S	--	--	U	--	--	--	D	-
W	155	423225N0714522.1	321	LEOMINSTER CITY	1950	W	2	O	53	T	--	--	--	--	U	--	--	--	D	-
W	156	423228N0714522.1	328	LEOMINSTER CITY	1950	W	2	O	26	T	23	--	--	--	U	--	--	--	D	-
W	157	423113N0714601.1	399	LEOMINSTER CITY	1950	W	2	S	37	T	--	R	2	8-50	U	50	2	9	D	-
W	158	423245N0714454.1	320	LEOMINSTER CITY	1950	W	2	O	28	T	--	--	--	--	U	--	--	--	D	-
W	159	423109N0714558.1	400	LEOMINSTER CITY	1950	W	2	O	27	T	--	R	--	[illegible]	U	--	--	--	D	-
W	160	423115N0714552.1	399	LEOMINSTER CITY	1950	W	2	O	21	T	--	R	--	--	U	--	--	--	D	-
W	161	423112N0714550.1	399	LEOMINSTER CITY	1950	W	2	S	41	T	41	R	0	9-50	U	70	1	5	D	P
W	163	423248N0714521.1	386	LEOMINSTER CITY	1950	W	2	O	52	T	--	P	50	7-50	U	--	--	--	D	-
W	164	422933N0714407.1	385	LEOMINSTER CITY	1950	W	2	O	18	T	--	--	--	--	U	--	--	--	D	-
W	165	423310N0714322.1	359	LEOMINSTER CITY	1950	W	2	O	19	T	--	--	--	--	U	--	--	--	D	-
W	166	422955N0714325.1	285	LEOMINSTER CITY	1963	W	2	O	50	T	--	S	--	--	U	--	--	--	D	-
X	1	423246N0714456.1	325	FITCHBURG CITY	1968	W	2	O	12	T	--	--	D	6-68	U	--	--	--	D	-
X	2	423241N0714451.1	325	FITCHBURG CITY	1968	W	2	O	16	T	--	2R	12	6-68	U	--	--	--	D	-
X	3	423233N0714449.1	320	FITCHBURG CITY	1968	W	2	O	8	T	--	--	D	6-68	U	--	--	--	D	-
X	4	423356N0714436.1	440	LEOMINSTER CITY	1963	V	2	O	10	T	--	--	D	4-63	U	--	--	--	D	-
X	5	423342N0714411.1	440	LEOMINSTER CITY	1963	V	2	O	10	T	--	--	D	4-63	U	--	--	--	D	-
X	6	423331N0714356.1	395	LEOMINSTER CITY	1963	W	2	O	10	T	--	--	D	4-63	U	--	--	--	D	-
X	7	423319N0714416.1	470	LEOMINSTER CITY	1963	W	2	O	6	T	--	--	D	4-63	U	--	--	--	D	-
X	8	423204N0714351.1	475	LEOMINSTER CITY	1963	W	2	O	20	T	--	--	D	4-63	U	--	--	--	D	-
X	9	423133N0714355.1	35	LEOMINSTER CITY	1963	W	2	O	4	T	4	--	D	4-63	U	--	--	--	D	-
X	10	423019N0714404.1	300	LEOMINSTER CITY	1963	W	2	O	10	T	--	--	D	4-63	U	--	--	--	D	-
X	11	423033N0714449.1	350	LEOMINSTER CITY	1963	W	2	O	30	T	--	9S	10	4-63	U	--	--	--	D	-
X	12	423029N0714510.1	362	LEOMINSTER CITY	1963	W	2	O	26	T	--	BR	6	4-63	U	--	--	--	D	-
X	13	423013N0714531.1	400	LEOMINSTER CITY	1963	W	2	O	16	T	--	BR	5	4-63	U	--	--	--	D	-
X	14	422947N0714532.1	470	LEOMINSTER CITY	1963	W	2	O	6	T	--	--	D	4-63	U	--	--	--	D	-
X	15	423323N0714503.1	405	RAND-WHITNEY	1964	V	2	O	12	T	--	--	--	--	U	--	--	--	D	-
X	16	423125N0714406.1	285	LEOMINSTER CITY	1963	W	2	O	10	T	--	--	6	-63	U	--	--	--	D	-
						LUNENBURG														
W	1	423414N0714238.1	317	LUNENBURG TOWN	1961	C	24	G	31	W	--	4R	2	7-61	P	290	14	191	D	P
W	2	423230N0714042.1	315	KEATING P S	1971	C	12	G	83	W	--	R	11	1-71	N	1560	21	12	D	P
W	3	423229N0714042.1	315	P J KEATING CO	1964	C	12	G	76	W	--	R	4	9-64	N	940	14	24	D	-
W	4	423209N0714136.1	365	KEATING P J	1971	C	8	S	21	-	21	R	2	9-71	N	62	4	3	D	P
W	5	424243N0713242.1	360	NIEMI GENE	1968	-	6	X	150	-	60	--	140	2-68	-	4	--	--	-	-
W	6	423257N0714113.1	305	PERRAULT HENRY	1967	-	6	X	410	W	117	--	30	11-67	H	.8	--	--	-	-
W	7	423252N0714111.1	305	CONNORS JOHN	1968	P	8	S	57	W	--	R	2	11-68	H	50	18	--	-	-
W	8	423311N0714139.1	335	NASH RALPH A SR	1964	P	6	X	260	W	68	--	33	6-64	H	4	--	--	-	-
W	9	423333N0714138.1	298	PERRAEULT ROBT	1969	C	8	S	30	W	30	R	4	8-69	H	6	18	--	-	-
W	10	423342N0714139.1	325	PATRY ROBT	1968	P	6	X	190	W	41	--	35	1-68	H	15	--	--	-	-
W	11	423432N0714140.1	372	DELMONICO LEON	1965	-	6	X	160	-	72	--	--	--	H	1	--	--	-	-
W	12	423451N0714150.1	391	LAMBERT ERNEST	1953	C	6	X	100	W	10	--	13	11-53	H	2	--	--	-	-
W	13	423436N0714154.1	395	BARROWS JOSEPH	1950	C	6	X	117	W	17	--	18	11-50	H	10	--	--	-	-
W	14	423450N0714100.1	467	FREEMAN ELMER L	1958	P	6	X	295	W	13	--	11	11-58	H	1	--	--	-	-
W	15	423508N0714047.1	507	WHITNEY RAYMOND	1962	C	6	X	133	W	17	--	4	3-62	H	6	--	--	-	-
W	16	423532N0714041.1	480	PEARSON WILLIAM	1964	-	6	X	366	-	4	--	2	6-64	H	--	--	--	-	-
W	17	423533N0714055.1	480	PROCTOR CARL W	1951	A	8	S	35	W	38	T	10	6-51	H	5	--	--	-	-
W	18	423422N0714246.1	360	CADWELL HOWARD	1956	P	6	X	90	W	41	--	19	12-56	H	4	--	--	-	-
W	19	423341N0714350.1	449	RIVERS ROBT	1968	P	6	X	250	W	159	--	--	--	H	12	--	--	-	-
W	20	423404N0714403.1	528	DEBONIS A	1960	P	6	X	390	W	119	--	--	--	H	2	--	--	-	-
W	21	423402N0714411.1	630	MURPHY GEO A	1968	P	6	X	300	W	218	--	147	1-68	H	100	--	--	-	-
W	22	423418N0714529.1	495	PIERMARINI DINO	1950	C	6	X	95	W	30	--	15	5-50	H	4	--	--	-	-
W	23	423408N0714555.1	423	MCGINNIS ROBT E	1965	P	6	X	200	W	25	--	--	--	H	2	--	--	-	-
W	24	423453N0714517.1	500	HANEY OSWALD	1958	-	6	X	150	W	--	--	40	8-58	H	.5	--	--	-	-
W	25	423507N0714455.1	574	FOOTE DANA	1967	-	6	X	145	-	13	--	14	11-67	H	40	--	--	-	-
W	26	423520N0714506.1	641	WHITE EDGAR	1955	P	6	X	160	W	--	--	18	3-55	H	2	--	--	-	-
W	27	423526N0714501.1	650	PENDLETON F E	1957	P	6	X	200	W	22	--	35	1-57	H	3	--	--	-	-
W	28	423618N0714611.1	465	PICARD ARTHUR R	1964	P	6	X	140	W	22	--	16	11-64	H	3	--	--	-	-
W	29	423625N0714541.1	578	MAPLEWOOD GOLF	1965	-	6	X	500	-	--	--	--	--	H	1	--	--	-	-
W	30	423628N0724518.1	568	CHARRON	1965	-	6	X	305	-	10	--	20	10-65	H	--	--	--	-	-
W	31	423627N0714511.1	550	GIONET RUDOLPH	1967	-	6	X	527	W	--	--	30	6-67	H	100	520	4	-	-
W	32	423625N0714506.1	515	KOIVISTO E	1963	P	6	X	185	W	5	--	19	10-93	H	2	--	--	-	-
W	33	423628N0714453.1	555	KELLEY HENRY D	1969	P	6	X	265	W	63	--	--	--	H	12	--	--	-	-
W	34	423632N0714455.1	545	MARQUART ROBT T	1963	P	6	X	245	W	82	--	30	7-63	H	10	--	--	-	-
W	35	423633N0714442.1	568	LEBLANC ROLAND	1969	P	6	X	190	W	13	--	40	7-69	H	50	--	--	-	-
W	36	423626N0714421.1	592	SCHUSTER W A SR	1955	P	6	X	80	W	8	--	18	8-55	H	13	--	--	-	-
W	37	423628N0714418.1	570	TACKETT R L	1965	P	6	X	83	W	7	--	--	--	H	4	--	--	-	-
W	38	423621N0714318.1	515	HOPE RUBBER CO	1965	P	6	X	165	W	19	--	--	--	N	12	--	--	-	-
W	39	423703N0714452.1	570	DAOUST HAROLD	1965	P	6	X	335	W	102	--	--	--	H	40	--	--	-	-
W	40	423710N0714454.1	600	OKSANEN W O	1962	P	6	X	245	W	124	--	--	--	H	.7	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					LUNENBURG --CONTINUED													
W 41	423710N0714451.1	595	WEINSTEIN JDEL	1969 P	6	X	210	W	117	--	75	7-69	H	9	--	--	-	-
W 42	423724N0714455.1	555	BYRON RICHARD G	1964 P	6	X	135	W	57	--	--	--	H	6	--	--	-	-
W 43	423722N0714528.1	605	RIIKONEN TOIVO	1964 -	6	X	204	-	23	--	25	4-64	H	5	--	2	-	-
W 44	423757N0714452.1	640	LEPPALA AUGUST	1969 P	6	X	180	W	27	--	--	--	H	6	--	--	-	-
W 45	423655N0714253.1	375	DUNLOP WALTER A	1959 P	6	X	65	W	33	--	15	10-59	H	15	--	--	-	-
W 46	423654N0714259.1	378	GAUDETTE M A	1963 P	6	X	127	W	22	--	21	9-63	H	6	--	--	-	-
W 47	423621N0714249.1	375	OELEBLANC	1953 -	1	D	10	T	--	--	--	--	U	--	--	--	-	-
W 48	423635N0714243.1	375	HEATH WILMA	1953 -	2	T	28	W	--	R	11	7-53	H	42	--	--	-	-
W 49	423618N0714211.1	365	FROTTON	1953 -	1	O	24	T	24	S	--	--	U	--	--	--	-	-
W 50	423619N0714207.1	365	GALLANT	1953 -	1	T	23	W	--	R	--	--	H	--	--	--	D	-
W 51	423622N0714200.1	365	OGRADY	1953 -	1	T	18	W	--	R	--	--	H	20	--	--	-	-
W 52	423625N0714147.1	380	KOKOSKA KENNETH	1967 -	6	X	245	-	10	--	10	10-67	H	4	--	--	-	-
W 53	423633N0714206.1	372	SAWYER	1753 -	1	T	24	W	--	R	--	--	H	30	--	--	-	-
W 54	423639N0714212.1	372	THELIN	1953 -	1	T	20	W	--	R	--	--	H	25	--	--	D	-
W 56	423649N0714212.1	372	MEYER	1953 -	1	T	16	T	--	--	--	--	-	0	--	--	D	-
W 57	423657N0714209.1	378	HICKORY HILLS	1953 -	--	-	20	T	--	--	--	--	-	--	--	--	D	-
W 58	423704N0714212.1	385	CEFALO	1953 -	1	O	5	-	--	--	--	--	-	0	--	--	D	-
W 59	423705N0714215.1	375	DEL ROSSI ALVIN	1970 P	6	X	155	W	10	--	--	--	H	10	--	--	-	-
W 60	423703N0714232.1	380	BENT CHARLES	1968 P	6	X	145	W	15	--	10	11-68	H	4	--	--	-	-
W 61	423654N0714227.1	371	THOMAS LOUIE	1959 W	1	S	14	W	--	R	3	9-59	H	25	--	--	-	-
W 62	423620N0714204.1	367	TUCKER	1953 -	1	T	23	W	--	R	--	--	H	50	--	--	-	-
W 64	423711N0714147.1	375	HICKORY HILLS	1957 -	--	S	20	T	--	R	4	7-57	U	50	--	--	-	-
W 65	423710N0714151.1	365	HICKORY HILLS	1957 -	--	S	33	T	--	R	4	7-57	U	60	--	--	-	-
W 66	423623N0714151.1	374	HICKORY HILLS	1957 -	--	O	15	T	--	--	--	--	U	--	--	--	-	-
W 67	423613N0714150.1	358	HICKORY HILLS	1957 -	--	O	12	T	--	--	--	--	U	--	--	--	-	-
W 68	423616N0714158.1	361	HICKORY HILLS	1957 -	--	O	15	T	--	--	--	--	U	--	--	--	-	-
W 69	423618N0714157.1	359	HICKORY HILLS	1957 -	--	O	16	T	--	--	--	--	U	--	--	--	-	-
W 70	423617N0714206.1	365	HICKORY HILLS	1957 -	--	S	23	T	--	R	1	7-57	U	75	3	3	-	-
W 71	423404N0714228.1	320	LUNENBURG WD	1965 -	24	S	35	W	--	R	7	12-64	P	350	--	--	-	-
W 72	423407N0714234.1	320	LUNENBURG WD	1965 -	24	S	38	W	--	R	3	1-65	P	200	--	--	D	-
W 73	423418N0714619.1	362	LUNENBURG WD	1945 W	2	O	44	T	--	R	5	-45	U	50	--	--	-	-
W 74	423533N0714139.1	380	LUNENBURG WD	1960 -	2	S	45	T	--	R	--	--	U	30	--	--	D	-
W 75	423529N0714144.1	381	LUNENBURG WD	1960 -	2	S	38	T	40	R	3	4-60	U	50	--	--	D	-
W 76	423618N0714238.1	382	HORN G D	1962 D	48	O	15	W	--	--	--	--	H	--	--	--	-	-
W 77	423719N0714205.1	402	HARTE DORIS L	1956 D	36	O	20	W	--	6S	5	7-72	H	--	--	--	-	-
W 78	423605N0714317.1	518	MOVSESSION R	1930 O	36	W	20	W	--	T	10	-47	H	10	--	--	-	-
W 79	423743N0714459.1	638	FITZGERALD R A	1965 A	6	X	120	W	--	--	--	--	H	2	--	--	-	-
W 80	423536N0714100.1	450	PROCTOR MS C W	1951 -	6	X	320	W	38	--	26	6-51	H	.5	--	--	-	-
W 81	423536N0714507.1	625	AHOKAS JACOB	1956 C	6	X	73	W	3	--	20	-56	H	5	--	--	-	-
W 82	423742N0714459.1	638	FITZGERALD R A	1969 C	6	X	96	W	--	--	--	--	H	8	--	--	-	-
W 83	423548N0714016.1	325	SPURGEON LOWELL	1959 C	6	X	100	W	3	--	30	-59	H G	25	--	--	-	-
W 84	423318N0714202.1	372	ANKER DAVID	1 72 R	6	X	200	W	25	--	--	--	H	40	--	--	-	-
W 85	423445N0714216.1	368	FREEL MICHAEL J	1971 O	34	O	14	W	--	R	4	9-73	H	--	--	--	-	-
W 86	423331N0714256.1	420	STILLMAN EDWARD	-- -	6	X	200	W	--	--	--	--	H	--	--	--	-	-
W 87	423536N0714126.1	385	EWEN JAMES P	1959 D	33	O	40	W	--	S	38	9-72	H	2	--	--	-	-
W 88	423250N0714120.1	310	LAVALLEE JOSEPH	1964 A	8	X	255	Z	177	--	--	--	U	--	--	--	-	-
W 89	423250N0714120.2	310	LAVALLEE JOSEPH	1964 D	24	O	18	W	177	R	12	6-72	H	--	--	--	-	-
W 90	423249N0714112.1	300	WILLIAMS M	1960 D	36	O	16	W	--	R	5	-60	H	--	--	--	-	-
W 91	423246N0714121.1	308	ROBICHAUD P	-- D	--	-	12	W	--	R	--	--	H	--	--	--	-	-
W 92	423456N0714159.1	375	CAMERON WILLIAM	1973 A	6	X	278	W	--	--	25	10-73	H	3	--	--	-	-
W 93	423331N0714139.1	298	LYNCH CHARLES E	1973 A	6	X	250	W	60	--	15	5-73	H	--	--	--	-	-
W 94	423308N0714137.1	327	STEPTON FRED G	-- C	4	O	75	W	70	--	31	-62	H	28	--	--	-	-
W 95	423310N0714122.1	299	WILLIS NANCY J	1969 W	--	S	30	W	--	R	--	--	H	40	--	--	-	-
W 96	423257N0714121.1	300	MOUNT JIM B	1964 V	1	S	31	W	--	R	--	--	H	20	--	--	-	-
W 97	423247N0714124.1	311	MERCHANT DAVID	1958 V	6	X	190	W	--	--	--	--	H	32	--	--	-	-
W 98	423241N0714115.1	310	LUNENBURG TOWN	1972 W	2	O	23	T	--	S	--	--	U	--	--	--	D	-
W 99	423237N0714114.1	310	LUNENBURG TOWN	1972 W	2	O	35	T	--	S	4	10-72	U	10	--	--	D	-
W 100	423354N0714208.1	335	LUNENBURG TOWN	1972 W	2	S	50	T	--	R	12	10-72	U	35	--	--	D	-
W 101	423354N0714213.1	319	LUNENBURG TOWN	1972 W	2	S	57	T	--	R	10	10-72	U	15	--	--	D	-
W 102	423355N0714209.1	319	LUNENBURG TOWN	1972 W	2	S	47	T	--	R	10	10-72	U	50	--	--	-	-
W 103	423308N0714152.1	321	LUNENBURG TOWN	1972 W	2	O	21	T	--	--	--	--	U	--	--	--	D	-
W 104	423308N0714149.1	320	LUNENBURG TOWN	1972 W	2	O	21	T	--	--	--	--	U	--	--	--	D	-
W 105	423310N0714147.1	315	LUNENBURG TOWN	1972 W	2	O	21	T	--	--	--	--	U	--	--	--	D	-
W 106	423302N0714159.1	340	LUNENBURG TOWN	1972 W	2	O	57	T	--	--	--	--	U	--	--	--	D	-
W 107	423343N0714146.1	321	LUNENBURG TOWN	1972 W	2	O	29	T	--	BR	14	10-72	U	--	--	--	-	-
W 108	423348N0714216.1	330	LUNENBURG TOWN	1973 W	2	S	42	T	--	BR	4	11-73	U	20	--	--	D	-
W 109	423351N0714214.1	325	LUNENBURG TOWN	1973 W	2	O	39	T	--	BR	--	--	U	--	--	--	D	-
W 110	423247N0714109.1	305	LUNENBURG TOWN	1973 W	2	O	34	T	--	R	--	--	U	--	--	--	D	-
W 111	423246N0714109.1	308	LUNENBURG TOWN	1973 W	2	O	29	T	--	R	--	--	U	--	--	--	D	-
W 112	423238N0714101.1	308	LUNENBURG TOWN	1973 W	2	O	22	T	--	--	--	--	U	--	--	--	D	-
W 113	423359N0714200.1	328	LUNENBURG TOWN	1973 W	2	O	26	T	--	BR	5	1-73	U	--	--	--	D	-
W 114	423336N0714156.1	328	LUNENBURG TOWN	1973 W	2	O	25	T	--	BR	5	1-73	U	--	--	--	D	-
W 115	423356N0714205.1	325	LUNENBURG TOWN	1973 W	2	S	42	T	--	R	5	1-73	U	60	--	--	D	-
W 116	423446N0714202.1	385	LUNENBURG TOWN	1974 W	2	O	19	T	--	--	--	--	U	--	--	--	D	-
W 117	423442N0714203.1	378	LUNENBURG TOWN	1974 W	2	O	18	T	--	--	--	--	U	--	--	--	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED		WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
								LUNENBURG --CONTINUED												
W	118	423437N0714201.1	349	LUNENBURG TOWN	1974	W	2	O	14	T	--	--	--	--	U	--	--	--	D	-
W	119	423334N0714204.1	348	LUNENBURG TOWN	1974	W	2	O	21	-	--	--	--	--	-	--	--	--	D	-
W	120	423335N0714221.1	265	LUNENBURG TOWN	1974	W	2	S	49	T	--	6S	23	1-74	U	0	--	--	D	-
W	121	423335N0714036.1	370	LUNENBURG TOWN	1974	W	2	O	33	T	--	--	--	--	U	--	--	--	D	-
W	122	423335N0714030.1	325	LUNENBURG TOWN	1974	W	2	O	48	T	--	--	--	--	U	--	--	--	D	-
W	123	423355N0714039.1	330	LUNENBURG TOWN	1974	W	2	O	43	T	--	T	--	--	U	--	--	--	D	-
W	124	423401N0714037.1	330	LUNENBURG TOWN	1974	W	2	O	35	T	--	R	7	5-74	U	10	--	--	D	-
W	125	423350N0714026.1	325	LUNENBURG TOWN	1974	W	2	O	13	T	--	--	--	--	U	--	--	--	D	-
W	126	423339N0714048.1	325	LUNENBURG TOWN	1974	W	2	O	40	T	--	6R	--	--	U	--	--	--	D	-
W	127	423346N0714048.1	325	LUNENBURG TOWN	1974	W	2	O	31	T	31	R	--	--	U	--	--	--	D	-
W	128	423338N0714041.1	338	LUNENBURG TOWN	1974	W	2	O	57	T	--	8R	--	--	U	--	--	--	D	-
W	129	423229N0714152.1	352	LUNENBURG TOWN	1974	W	2	S	44	T	--	R	8	7-74	U	--	--	--	D	-
W	130	423225N0714152.1	355	LUNENBURG TOWN	1974	W	2	S	33	T	--	8R	9	9-74	U	25	--	--	D	-
W	131	423231N0714203.1	360	LUNENBURG TOWN	1974	W	2	S	36	T	--	6X	6	8-74	U	.5	--	--	D	-
W	132	423220N0714220.1	375	LUNENBURG TOWN	1974	W	2	S	49	T	--	6X	2	8-74	U	.5	--	--	D	-
W	133	423216N0714054.1	302	LUNENBURG TOWN	1975	W	2	S	81	T	--	6X	2	1-75	U	--	--	--	D	-
W	134	423220N0714048.1	301	LUNENBURG TOWN	1975	W	2	O	87	T	--	9S	--	--	U	--	--	--	D	-
W	135	423203N0714059.1	340	LUNENBURG TOWN	1975	W	2	S	71	T	71	9S	5	1-75	U	25	--	--	D	-
W	136	423217N0714045.1	299	LUNENBURG TOWN	1975	W	2	S	91	T	--	S	3	1-75	U	--	--	--	D	P
W	137	423213N0714046.1	299	LUNENBURG TOWN	1975	W	2	S	91	T	--	9S	3	1-75	U	60	--	--	D	-
									PAXTON											
W	6	422030N0715447.1	1000	MORRIS D H	1942	C	6	X	109	W	--	--	18	4-42	H	8	--	--	-	-
W	10	422011N0715614.1	1050	ERSKINE L M JR	1971	P	6	X	255	W	80	--	--	--	H	7	--	--	-	-
W	18	421916N0715539.1	1130	SAVIGNAC	--	O	--	-	30	W	--	--	--	--	H	--	--	--	-	P
W	20	422018N0715616.1	1048	JONES ROBERT E	1964	-	6	X	201	W	103	0	35	-64	H	5	--	--	-	-
W	22	422017N0715614.1	1041	GLEASON HAROLD	1954	C	6	X	195	W	83	0	23	9-54	H	1 30	--	--	-	-
W	25	421940N0715505.1	1027	ANNA MARIA COLL	1954	C	6	X	223	W	23	0	34	2-54	P	40	--	--	-	-
W	26	421946N0715508.1	1015	ANNA MARIA COLL	1959	C	8	X	300	W	18	0	24	2-59	P	23	--	--	-	-
W	38	421910N0715438.1	1109	PAXTON TOWN	1950	W	2	O	17	T	--	--	--	--	U	--	--	--	D	-
W	39	421928N0715442.1	1115	PAXTON TOWN	1950	W	2	O	19	T	--	--	--	--	U	--	--	--	D	-
									PEPPERELL											
W	1	423946N0713423.1	230	HEBERT LOUIS	1908	O	36	W	11	U	--	--	5	4-39	U	--	--	--	-	-
W	2	424007N0713418.1	190	WINN H C	1910	O	24	W	15	U	--	U	6	4-39	U	--	--	--	-	-
W	3	423955N0713310.1	208	MAYNARD	--	D	36	W	9	U	--	U	4	4-39	U	--	--	--	-	-
W	4	423946N0713415.1	215	HEBERT L	1900	O	42	W	32	U	--	U	--	--	U	--	--	--	-	-
W	5	424006N0713409.1	198	PEPPERELL YARN	--	D	60	O	18	U	--	U	12	4-39	U	--	--	--	-	-
W	6	423959N0713434.1	175	NASHUA R PAPER	--	D	--	-	--	Z	--	--	--	--	U	--	--	--	-	-
W	7	423945N0713509.1	240	BEAMUS	--	D	24	W	8	U	--	U	0	4-39	U	--	--	--	-	-
W	8	424008N0713413.1	190	HERRIG	--	D	48	W	40	T	--	U	--	--	U	--	--	--	-	-
W	9	423947N0713459.1	230	LOUIS	--	D	42	W	15	T	--	U	4	4-39	U	--	--	--	-	-
W	10	423949N0713447.1	210	RICHARDSON	--	O	48	O	12	U	--	U	1	--	U	--	--	--	-	-
W	11	423951N0713457.1	265	TUNE	--	D	36	W	28	U	--	U	8	4-39	U	--	--	--	-	-
W	12	424007N0713507.1	235	WILLIAMS	--	D	36	W	14	U	--	U	4	5-39	U	--	--	--	-	-
W	13	424001N0713542.1	295	MCGRAW	--	O	30	W	18	U	--	U	5	5-38	U	--	--	--	-	-
W	14	423918N0713505.1	210	MORANT	1840	O	48	W	11	U	--	U	4	5-39	U	--	--	--	-	-
W	15	423816N0713553.1	215		--	D	36	W	14	U	--	U	7	5-39	U	--	--	--	-	-
W	16	423844N0713802.1	315	POER RICHARD	--	O	42	W	10	U	--	U	5	5-39	U	--	--	--	-	-
W	17	423846N0713808.1	315	POER RICHARD	--	O	30	W	13	U	--	U	7	5-39	U	--	--	--	-	-
W	18	424000N0713511.1	242	ROCHETTE R	--	O	36	O	15	U	--	U	6	5-39	U	--	--	--	-	-
W	19	423937N0713424.1	250		--	D	36	W	17	U	--	U	13	5-39	U	--	--	--	-	-
W	20	424210N0713310.1	202	FOX W W	--	O	36	W	12	U	--	U	10	5-39	U	--	--	--	-	-
W	21	424055N0713354.1	230	STEINHOLTZ LAAS	--	D	48	W	13	W	--	U	6	5-39	H	--	--	--	-	-
W	22	424055N0713354.2	230	STEINHOLTZ LAAS	1923	D	60	W	16	W	--	U	11	5-39	H	--	--	--	-	-
W	23	423947N0713457.2	230	BUCK R W	--	D	--	O	--	U	--	--	--	--	U	--	--	--	-	-
W	24	424207N0713758.1	225	PEPPERELL TOWN	1966	W	2	S	40	W	--	3R	4	12-66	P	60	1	2	D	-
W	25	423939N0713336.1	205	PEPPERELL TOWN	1966	W	2	S	45	T	52	3R	5	6-67	U	40	7	264	D	P
W	26	423939N0713336.2	205	PEPPERELL TOWN	1970	C	24	G	45	W	--	--	10	9-70	P	503	14	96	-	-
W	27	424003N0713648.1	292	PEPPERELL TOWN	1966	W	2	-	43	T	43	U	3	12-66	U	--	--	--	D	-
W	28	424055N0713343.1	210	PEPPERELL TOWN	1966	W	2	-	16	T	16	--	--	--	U	--	--	--	D	-
W	29	423947N0713253.1	225	PEPPERELL TOWN	1966	W	2	O	16	T	16	--	--	--	U	--	--	--	-	-
W	30	424013N0713214.1	188	PEPPERELL TOWN	1966	W	2	O	18	T	18	--	--	--	U	--	--	--	-	-
W	31	424145N0713603.1	210	PEPPERELL TOWN	1966	W	2	O	22	T	21	--	--	--	U	--	--	--	-	-
W	32	424048N0713505.1	210	PEPPERELL TOWN	1966	W	2	O	18	T	18	--	--	--	U	--	--	--	-	-
W	33	424147N0713702.1	220	PEPPERELL TOWN	1967	W	2	-	30	T	29	6R	10	8-67	U	--	--	--	D	-
W	34	424134N0713537.1	210	PEPPERELL TOWN	1966	W	2	O	13	T	13	--	--	--	U	--	--	--	-	-
W	35	423924N0713825.1	355	TOLMAN ROBERT E	--	D	50	W	12	W	20	--	6	9-71	H	25	--	--	-	-
W	36	423924N0713825.2	358	TOLMAN ROBERT E	1967	A	6	X	300	U	18	0	--	--	U	.5	--	--	-	-
W	37	423848N0713807.1	332	EVELETH LARTER	1951	-	6	X	107	W	18	0	--	--	H	10	--	--	-	-
W	38	423850N0713808.1	333	ADRIAN GRANT R	1972	-	--	X	160	W	18	0	--	--	H	8	--	--	-	-
W	39	423852N0713808.1	340	HILGENDORF R W	1972	-	--	X	180	W	18	0	--	--	H	4	--	--	-	-
W	40	423945N0713859.1	455	GOSSELIN ROLAND	1971	A	6	X	325	W	10	0	15	8-72	H	2	--	--	-	-
W	41	424017N0713750.1	410	REESE EUGENE H	1965	D	30	O	17	W	20	R	11	10-72	H	11	--	--	-	-
W	42	424037N0713814.1	412	HAUEISEN W C	--	-	6	X	214	W	30	0	--	--	H	2	--	--	-	-
W	43	424117N0713838.1	335	MINER LAURENCE	1971	V	--	T	60	W	--	R	--	--	H	--	--	--	-	-
W	44	424124N0713857.1	360	LEVI HERBERT W	1958	-	6	X	135	-	6	N	4	10-58	-	3	--	--	-	-
W	45	424142N0713846.1	358	DUNCAN GEORGE H	1971	A	6	X	150	W	--	--	--	--	H	5	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					PEPPERELL --CONTINUED														
W	46	424154N0713822.1	285	KOHUT B N	1964	A	6	X	160	W	20	0	--	--	H	2	--	--	-	-
W	47	423845N0713821.1	348	BENCSIK FRANK	--	C	6	X	108	-	--	0	--	--	-	--	--	--	-	-
W	48	423851N0713837.1	333	PICKARD JOHN H	1971	A	--	X	273	W	2	0	--	--	H	2	--	--	-	-
W	49	423829N0713529.1	209	WALENT WALTER	1960	D	36	O	16	W	--	--	--	--	H	--	--	--	-	-
W	50	423832N0713540.1	212	BRIGHAM MASON	1971	R	6	X	160	W	55	--	3	9-73	H	5	--	--	-	-
W	51	423757N0713630.1	215	WILKINS GARY G	1965	R	8	-	130	W	30	--	6	-65	H	--	--	--	-	-
X	1	424106N0713726.1	370	PEPPERELL TOWN	1969	V	1	O	8	T	--	--	D	9-69	U	--	--	--	D	-
X	2	424105N0713656.1	280	PEPPERELL TOWN	1969	V	1	O	10	T	10	--	D	9-69	U	--	--	--	D	-
X	3	424059N0713636.1	245	PEPPERELL TOWN	1969	V	1	O	35	T	--	--	5	9-69	U	--	--	--	D	-
X	4	424045N0713606.1	317	PEPPERELL TOWN	1969	V	1	O	8	T	--	--	D	9-69	U	--	--	--	D	-
X	5	424013N0713649.1	290	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	9	8-69	U	--	--	--	D	-
X	6	424004N0713625.1	295	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	D	8-69	U	--	--	--	D	-
X	7	424021N0713641.1	280	PEPPERELL TOWN	1967	V	1	O	15	T	--	--	8	8-67	U	--	--	--	D	-
X	8	424033N0713632.1	260	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	D	8-69	U	--	--	--	D	-
X	9	423951N0713622.1	310	PEPPERELL TOWN	1969	V	1	O	8	T	8	--	D	8-69	U	--	--	--	D	-
X	10	423948N0713550.1	258	PEPPERELL TOWN	1969	V	1	O	14	T	--	--	4	8-69	U	--	--	--	D	-
X	11	423958N0713522.1	250	PEPPERELL TOWN	1969	V	1	O	11	T	--	--	D	9-69	U	--	--	--	D	-
X	12	423953N0713441.1	210	PEPPERELL TOWN	1969	V	1	O	14	T	--	--	D	8-69	U	--	--	--	D	-
X	13	424050N0713519.1	232	PEPPERELL TOWN	1969	V	1	O	14	T	--	--	D	8-69	U	--	--	--	D	-
X	14	424016N0713441.1	202	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	12	8-69	U	--	--	--	D	-
X	15	424031N0713418.1	190	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	6	8-69	U	--	--	--	D	-
X	16	424015N0713422.1	182	PEPPERELL TOWN	1969	V	1	O	35	T	--	--	13	9-69	U	--	--	--	D	-
X	17	424020N0713416.1	178	PEPPERELL TOWN	1969	V	1	O	23	T	23	--	5	9-69	U	--	--	--	D	-
X	18	424013N0713410.1	179	PEPPERELL TOWN	1969	V	1	O	35	T	--	--	16	9-69	U	--	--	--	D	-
X	19	424004N0713355.1	185	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	10	8-69	U	--	--	--	D	-
X	20	424001N0713332.1	210	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	D	8-69	U	--	--	--	D	-
X	21	423945N0713710.1	315	PEPPERELL TOWN	1969	V	1	O	11	T	--	--	6	9-69	U	--	--	--	D	-
X	22	424028N0713352.1	175	PEPPERELL TOWN	1969	V	1	O	20	T	--	--	2	12-69	U	--	--	--	D	-
X	23	424032N0713358.1	190	PEPPERELL TOWN	1969	V	1	O	18	T	--	--	D	12-69	U	--	--	--	D	-
X	24	423936N0713629.1	375	PEPPERELL TOWN	1969	V	1	O	9	T	--	--	D	8-69	U	--	--	--	D	-
X	25	424004N0713554.1	312	PEPPERELL TOWN	1969	V	1	O	7	T	7	--	--	--	U	--	--	--	D	-
X	26	424026N0713455.1	200	PEPPERELL TOWN	1969	V	1	O	5	T	5	--	--	--	U	--	--	--	D	-
X	27	424105N0713549.1	282	PEPPERELL TOWN	1969	W	2	O	10	T	10	--	D	8-69	U	--	--	--	D	-
X	28	424043N0713446.1	218	PEPPERELL TOWN	1969	V	1	O	15	T	--	--	--	--	U	--	--	--	D	-
X	29	424007N0713417.1	198	PEPPERELL TOWN	1969	V	1	O	3	T	3	--	--	--	U	--	--	--	D	-
X	30	423956N0713421.1	218	PEPPERELL TOWN	1969	V	1	O	7	T	7	--	--	--	U	--	--	--	D	-
X	31	423939N0713421.1	238	PEPPERELL TOWN	1969	V	1	O	6	T	6	--	--	--	U	--	--	--	D	-
X	32	424002N0713310.1	202	PEPPERELL TOWN	1969	V	1	O	6	T	6	--	--	--	U	--	--	--	D	-
X	33	423932N0713644.1	396	PEPPERELL TOWN	1969	V	1	O	8	T	7	--	D	8-69	U	--	--	--	D	-
					PRINCETON														
W	1	423028N0715225.1	912	NIEMI ARVO	1942	C	6	X	231	W	70	--	12	8-49	H	3	--	--	-	-
W	2	422647N0715311.1	1060	MINNS SUSAN	1912	C	6	X	278	W	20	--	--	--	H	--	--	--	-	-
W	3	422749N0175138.1	785	ANTONIO CHRIS	--	-	--	-	80	W	--	--	--	--	H	--	--	--	-	P
W	4	422906N0715432.1	1255	HUTCHINS RALPH	1954	P	6	X	185	W	26	--	45	10-54	H	3	--	--	-	-
W	5	422903N0715428.1	1248	PORTER STANLEY	1971	P	6	X	285	W	48	--	40	9-71	H	2	--	--	-	-
W	6	422821N0715336.1	1300	ANDREWS	--	-	6	X	285	W	55	--	--	--	H	10	--	--	-	-
W	7	422812N0715315.1	1330	WILD LUCY H	1959	P	6	X	241	W	2	--	78	9-59	H	10	--	--	-	-
W	8	422751N0715502.1	1150	STIMPSON	1965	A	6	X	245	W	135	--	--	--	S	3	--	--	-	-
W	9	422722N0715256.1	1270	BELL LEW	1957	P	6	X	185	W	12	--	70	9-57	H	5	--	--	-	-
W	11	422712N0715236.1	1110	LATHROP ARTHUR	1965	-	6	X	135	W	15	--	130	11-65	H	4	--	--	-	-
W	12	422711N0715233.1	1075	GENDRON HOMER D	1968	P	6	X	125	W	6	--	14	5-68	H	4	--	--	-	-
W	13	422659N0715240.1	1165	PRINC CONGO CH	1950	C	6	X	179	W	2	--	45	6-50	H	5	--	--	-	-
W	14	422652N0715245.1	1110	ANDERSON P G W	1965	P	6	X	95	W	16	--	21	7-65	H	15	--	--	-	-
W	15	422651N0715243.1	1112	SUNDIN	1966	-	6	X	105	W	20	--	5	5-66	H	20	--	--	-	-
W	16	422653N0715250.1	1108	PRNCTN CTR SCH	--	-	--	-	125	W	--	--	--	--	T	--	--	--	-	P
W	17	422649N0715257.1	1060	WHITTEMORE O J	1955	P	6	X	135	W	22	--	11	4-55	H	8	--	--	-	-
W	18	422703N0715319.1	1105	BURR ALAN T	1959	P	6	X	160	W	14	--	10	1-59	H	12	--	--	-	-
W	19	422700N0715319.1	1102	MORSE RICHARD C	1955	P	6	X	90	W	2	--	14	9-55	H	4	--	--	-	-
W	20	422654N0715342.1	1035	SMITH JAMES B	1963	P	6	X	530	W	20	--	7	10-63	H	2	--	--	-	-
W	21	422513N0715346.1	690	CONWAY RICHARD	1965	-	6	X	255	W	31	--	--	--	H	--	--	--	-	P
W	22	422503N0715333.1	800	ROBERTS RONALD	1970	P	6	X	275	W	60	--	30	6-70	H	275	--	--	-	-
W	23	422504N0715327.1	800	LAJOIE ALBERT W	1966	P	6	X	200	W	52	--	32	6-66	H	4	--	--	-	-
W	24	422457N0715317.1	790	BOUCHER ALBERT	1955	P	6	X	130	W	27	--	--	--	H	8	--	--	-	-
W	25	422458N0715315.1	800	GUSTAFSON ALLEN	1966	-	6	X	265	W	19	--	10	5-66	H	35	--	--	-	-
W	26	422431N0715240.1	880	WIGGINS FRANK	1964	-	6	X	115	W	17	--	95	5-64	H	--	--	--	-	-
W	27	422440N0715242.1	921	COLE DURWARD	1963	-	6	X	100	W	9	--	90	11-63	H	--	--	--	-	-
W	28	422442N0715233.1	920	LUKEY JULIAN	1964	-	6	X	107	W	31	--	97	1-64	H	--	--	--	-	-
W	29	422445N0715235.1	925	BRIGGS ERNEST	1964	-	6	X	117	W	8	--	104	4-64	H	--	--	--	-	-
W	30	422507N0715240.1	980	JOHNSON KEN	1971	-	6	X	260	W	14	--	16	7-71	H	6	195	3	-	-
W	31	422439N0715227.1	915	HUNT WILLIAM	1967	-	6	X	72	W	15	--	10	1-67	H	--	--	--	-	-
W	32	422626N0715227.1	1040	MACGEACHY R	1963	-	6	X	375	W	4	--	47	9-63	H	--	--	--	-	-
W	33	422607N0715110.1	720	PAINE DAVID I	1965	P	6	X	125	W	20	--	5	5-65	H	5	--	--	-	-
W	34	422610N0714956.1	670	LYSEN ERIC	--	-	6	X	102	W	27	--	--	--	H	--	--	--	-	-
W	35	422625N0714955.1	652	ALTBERG OLAF A	1950	C	6	X	105	W	20	--	30	10-50	H	4	--	--	-	-
W	36	422631N0715005.1	660	MCGUIRE	1966	-	6	X	85	W	33	--	--	--	H	20	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED		WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					PRINCETON --CONTINUED															
W	37	422703N0715120.1	820	STARSMAN	--	-	6	X	205	W	16	--	--	--	H	2	--	--	-	-
W	38	422709N0715149.1	995	BIRD WM E S	1960	P	6	X	190	W	9	--	12	6-60	H	3	--	--	-	-
W	39	422709N0715157.1	1025	MOORE PETER S H	1961	P	6	X	385	W	--	--	58	2-61	H	4	--	--	-	-
W	40	422719N0715146.1	965	BULLOCK CHANDLR	1954	P	6	X	215	W	16	--	18	8-54	H	20	--	--	-	-
W	41	422713N0715220.1	1020	WIGGINS RAYMOND	1964	-	6	X	150	W	56	--	147	8-64	H	--	--	--	-	-
W	42	422739N0715216.1	953	GARFIELD WYATT	1961	P	6	X	207	W	37	--	18	2-61	H	2	--	--	-	-
W	43	422752N071522S.1	970	MYRICK GEO H	1950	C	6	X	153	W	21	--	57	9-50	H	20	--	--	-	-
W	44	422803N0715225.1	960	DOW	1968	P	6	X	170	W	28	--	10	5-68	H	15	--	--	-	-
W	45	422847N0715157.1	1072	LLOYD CHAS MD	1962	P	6	X	110	W	12	--	--	--	H	6	--	--	-	-
W	46	422924N0715213.1	1205	HANSON H J	1968	P	6	X	245	W	131	--	40	4-68	H	6	--	--	-	-
W	47	422932N0715208.1	1160	WELLS MARCUS A	1964	P	6	X	215	W	136	--	69	12-64	H	8	--	--	-	-
W	48	422943N0715203.1	1070	TROSTEL LOUIS	1962	P	6	X	100	W	62	--	35	6-62	H	10	--	--	-	-
W	49	422952N0715201.1	1050	SWAFFIELD M	1958	P	6	X	70	W	44	--	33	5-58	H	40	--	--	-	-
W	50	422933N0715041.1	850	HENDRICKSON	1942	-	--	-	75	W	--	--	--	--	H	4	--	--	-	-
W	51	422931N0715046.1	840	BELAIR CLARENCE	1967	P	6	X	126	W	36	--	24	9-67	H	3	--	--	-	-
W	52	422904N0715117.1	915	SLONGWHITE S	1965	-	6	X	92	W	24	--	72	6-65	H	3	--	--	-	-
W	53	422849N0715105.2	815	HURME LED	--	-	--	-	85	W	--	--	--	--	H	--	--	--	-	P
W	54	422832N0715006.1	708	HAYTON WM M	1965	P	6	X	245	W	60	--	--	--	H	.5	--	--	-	-
W	55	422829N0715006.1	711	CHAPMAN KENNETH	1966	-	6	X	200	W	63	--	145	4-66	H	2	--	--	-	-
W	56	422815N0715004.1	652	SLONGWHITE A	1957	P	6	X	100	W	15	--	--	--	H	30	--	--	-	-
W	57	422804N0715111.1	800	JENDZA PETER	--	P	--	-	28	W	--	--	--	--	H	--	--	--	-	P
W	58	422815N0715057.1	760	MEDLA CHRIS	1971	P	6	X	230	W	28	--	10	2-71	H	12	--	--	-	-
W	59	422824N0715028.1	700	MILLER IVY	1965	-	6	X	170	W	12	--	162	5-65	H	--	--	--	-	P
W	60	422823N0715016.1	715	ALBERT GEO V JR	1971	P	6	X	380	W	70	--	30	2-71	H	15	--	--	-	-
W	61	422824N0715019.1	713	BIANCHI DAVID A	1970	P	6	X	175	W	40	--	50	6-70	H	15	--	--	-	-
W	62	422822N0715019.1	712	LISTOVICH G S	1964	P	6	X	160	W	44	--	--	--	H	20	--	--	-	-
W	63	422825N0715012.1	715	LYNCH THOMAS F	1959	P	6	X	225	W	72	--	--	--	H	.5	--	--	-	-
W	64	422756N0715458.1	1125	GIBSON R I	1956	-	--	-	150	W	--	--	--	--	H	5	--	--	-	-
W	65	422637N0715436.1	955	RUSSELL HERBERT	1968	A	6	X	220	W	30	--	--	--	H	200	--	--	-	-
W	66	422656N0715541.1	1005	NELSON ROBERT	1958	-	6	X	162	W	20	--	18	-58	H	10	--	--	-	-
W	67	422713N0715534.1	1048	LOYSEN D W	--	A	--	X	--	W	--	--	--	--	H	2	--	--	-	P
W	68	422650N0715306.1	1078	QUALLY	1947	-	6	X	90	W	10	--	--	--	H	--	--	--	-	P
W	69	422953N0715204.1	1042	RIBEIRO J S S	--	-	6	X	100	W	--	--	--	--	H	3	--	--	-	P
W	70	422824N0715022.1	665	CADWELL OLIVE D	1964	-	6	X	147	W	44	--	40	11-64	H	5	--	--	-	P
W	71	422703N0715300.1	1133		--	-	6	X	176	W	--	--	--	--	H	--	--	--	-	P
W	72	423035N0715119.1	840	LEOM ST FOREST	1965	P	6	X	305	W	33	--	F	6-65	P	40	--	--	-	-
					RUTLAND															
B	1	422351N0715501.1	955	MDPW	1957	W	1	O	24	T	--	3R	2	11-57	U	--	--	--	D	-
W	4	422044N0715641.1	1038	ARLIN KARL M	1967	-	6	X	350	W	34	O	20	--	H	--	--	1	-	-
W	14	422520N0715556.1	1205	SPANACH N S	1967	-	6	X	200	W	68	H	35	8-67	H	5	--	1	-	-
W	18	422458N0715545.1	1175	WILLIAMS D J	1967	P	6	X	190	W	4	H	--	--	H	6	--	--	-	-
					SHIRLEY															
W	1	423307N0713834.1	240	SHIRLEY VILLAGE	1910	D	202	-	15	W	--	R	8	--	P	200	--	--	D	-
W	2	423252N0713954.1	278	SHIRLEY VILLAGE	1951	-	12	G	42	W	--	R	7	7-51	P	392	5	4	D	P
W	3	423206N0713823.1	270	FORT DEVENS	1940	-	2	-	51	T	51	--	--	--	U	--	--	--	D	-
W	4	423143N0713831.1	260	INDUST SCHOOL	--	D	--	H	--	W	--	R	--	--	T	--	--	--	-	-
W	6	423550N0713905.1	384	LINDSAY THOS B	1970	P	6	X	260	W	12	--	--	--	H	10	--	--	-	-
W	7	423603N0713748.1	262	DAWBORN ALICE C	1965	P	6	X	85	W	58	--	39	4-65	H	25	--	--	-	-
W	8	423557N0713925.1	342	MADDEN WM J JR	1967	P	6	X	385	W	7	--	12	8-67	H	1	--	--	-	-
W	9	423607N0713901.1	422	HURD LEON H	1964	P	6	X	250	W	68	--	--	--	H	3	--	--	-	-
W	10	423436N0713825.1	295	BATES JOSEPH E	1970	P	6	X	800	W	65	--	--	--	H	4	--	--	-	-
W	11	423402N0713735.1	270	HALLETT ROBT	1970	P	6	X	160	W	19	--	--	--	H	8	--	--	-	-
W	12	423707N0713938.1	382	GREGG PETER T	--	D	28	W	22	W	--	--	11	--	H	--	--	--	-	-
W	13	423413N0713840.1	335	DROBISH A P	1969	A	12	X	300	W	--	--	--	--	H	--	--	--	-	-
W	14	423411N0713823.1	310	COURNOYER ROGER	1961	C	8	X	105	W	8	--	10	-61	H	7	--	--	-	P
W	15	423455N0713939.1	348	BURSON JAMES	--	-	--	-	90	W	--	--	--	--	H	--	--	--	-	P
W	16	423557N0713851.1	403	CLEVELAND MARY	--	-	--	X	100	W	--	--	--	--	H	--	--	--	-	-
W	17	423423N0713755.1	282	PALSTON PAUL	--	-	--	-	250	W	--	--	--	--	H	--	--	--	-	-
W	18	423320N0713859.1	387	BEQUN ROBERT	--	-	--	-	180	W	--	--	--	--	H	--	--	--	-	-
W	19	423356N0713939.1	330	EVANS ELSIE	--	-	--	-	--	W	--	--	--	--	H	--	--	--	-	-
W	20	423430N0713956.1	355	LANGLEY MELVIN	--	-	--	-	17	W	--	--	--	--	H	--	--	--	-	-
W	21	423459N0714002.1	305	SHIRLEY VILLAGE	1971	-	2	O	12	T	--	--	--	--	U	--	--	--	D	-
W	22	423456N0714004.1	305	SHIRLEY VILLAGE	1971	-	2	O	21	T	--	--	--	--	U	--	--	--	D	-
W	23	423510N0714003.1	320	SHIRLEY VILLAGE	1971	-	2	O	18	T	--	--	--	--	U	--	--	--	D	-
W	24	423515N0713905.1	278	SHIRLEY VILLAGE	1971	-	2	O	17	T	--	--	--	--	U	--	--	--	D	-
W	25	423521N0713916.1	285	SHIRLEY VILLAGE	1971	-	2	O	18	T	--	--	--	--	U	--	--	--	D	-
W	26	423520N0713953.1	288	SHIRLEY VILLAGE	1971	-	2	O	13	T	--	--	--	--	U	--	--	--	D	-
W	27	423439N0714005.1	320	SHIRLEY VILLAGE	1971	-	2	O	8	T	--	--	--	--	U	--	--	--	D	-
W	28	423550N0713949.1	312	SHIRLEY VILLAGE	1971	-	2	S	28	T	--	R	2	8-71	U	65	2	4	D	-
W	29	423547N0713953.1	305	SHIRLEY VILLAGE	1971	-	2	S	26	T	--	R	3	8-71	U	25	--	--	D	-
W	30	423545N0713950.1	305	SHIRLEY VILLAGE	1971	-	2	S	28	T	--	R	5	8-71	U	80	3	4	D	-
W	31	423546N0713945.1	290	SHIRLEY VILLAGE	1971	-	2	S	35	T	--	R	4	8-71	U	60	2	4	D	-
W	32	423515N0713958.1	288	SHIRLEY VILLAGE	1971	-	2	O	25	T	--	--	--	--	U	--	--	--	D	-
W	33	423526N0713946.1	278	SHIRLEY VILLAGE	1971	-	2	O	30	T	--	--	--	--	U	--	--	--	D	-
W	34	423513N0713858.1	288	SHIRLEY VILLAGE	1971	-	2	O	16	T	--	--	--	--	U	--	--	--	D	-
W	35	423500N0713838.1	288	SHIRLEY VILLAGE	1971	-	2	O	14	T	--	--	--	--	U	--	--	--	D	-
W	36	423314N0713734.1	230	SHIRLEY VILLAGE	1071	-	2	S	56	T	--	R	5	10-71	U	10	--	--	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
							SHIRLEY --CONTINUED											
W 37	423314N0713732.1	235	SHIRLEY VILLAGE	1972 -	8	S	40	T	--	8R	7	10-71	U	125	18	168	D	-
W 38	423337N0713723.1	240	SHIRLEY VILLAGE	1971 -	2	O	25	T	--	--	5	10-71	U	--	--	--	D	-
W 39	423335N0713718.1	228	SHIRLEY VILLAGE	1971 -	2	S	43	T	--	8R	6	10-71	U	50	--	--	D	-
W 40	423334N0713712.1	230	SHIRLEY VILLAGE	1971 -	2	S	37	T	37	R	5	10-71	U	15	--	--	D	-
W 41	423328N0713711.1	235	SHIRLEY VILLAGE	1971 -	2	S	39	T	--	7R	6	10-71	U	10	--	--	D	-
W 42	423330N0713700.1	228	SHIRLEY VILLAGE	1971 -	2	S	35	T	--	8R	9	10-71	U	12	--	--	D	-
W 43	423303N0714006.1	278	SHIRLEY VILLAGE	1971 -	2	O	34	T	--	7R	5	10-71	U	10	--	--	D	-
W 44	423308N0714006.1	278	SHIRLEY VILLAGE	1971 -	2	S	36	T	--	8R	2	10-71	U	25	--	--	D	-
W 45	423312N0714010.1	280	SHIRLEY VILLAGE	1971 -	2	O	40	T	--	--	--	--	U	--	--	--	D	-
W 46	423319N0714027.1	290	SHIRLEY VILLAGE	1971 -	2	S	29	T	--	T	7	10-71	U	3	--	--	D	-
W 47	423406N0713748.1	272	HEBERT JOHN A	1951 V	1	S	22	W	--	R	--	--	H	--	--	--	-	-
W 48	423411N0713815.1	275	FARNSWORTH RAY	1957 D	36	O	14	W	--	T	8	6-73	H	--	--	--	-	-
W 49	423415N0713815.1	272	THOMPSON D	-- V	3	T	15	W	--	S	--	--	H	30	--	--	-	-
W 50	423414N0713812.1	278	WILLIS CARLTON	1967 -	--	-	32	W	--	R	--	--	H	--	--	--	-	-
W 51	423416N0713805.1	278	HUGHES DANIEL F	1967 -	--	-	20	W	--	S	--	--	H	--	--	--	-	-
W 52	423418N0713802.1	278	KEMP PHILIPO P	1967 V	--	-	40	W	--	R	--	--	H	--	--	--	-	-
W 53	423421N0713758.1	278	FORO ERNES	1957 D	--	O	5	W	--	S	2	-57	H	--	--	--	-	-
W 54	423400N0713734.1	265	SCHWECKENDIECK	1970 V	10	O	50	U	--	R	10	7-70	H	32	--	--	-	-
W 55	423424N0713736.1	272	WOOD JAMES A	-- -	6	-	89	W	--	--	15	-69	H	--	--	--	-	-
W 56	423432N0713722.1	255	HALLOWELL HENRY	1950 -	--	-	60	W	--	S	8	11-63	H	20	--	--	-	-
W 57	423354N0713725.1	255	TAYLOR DANIEL H	1971 -	--	-	300	W	--	--	--	--	H	--	--	--	-	-
W 58	423405N0713750.1	275	G LMARTIN JOHN	1955 V	1	S	30	W	--	R	10	-72	H	1	--	--	-	-
W 59	423403N0713755.1	275	GENDRON ROBERT	-- V	1	T	20	W	--	R	10	-73	H	5	--	--	-	-
W 60	423402N0713806.1	275	COOK GLADYS T	1965 -	--	-	--	W	--	--	--	--	H	--	--	--	-	-
W 61	423427N0713758.1	285	SMITH MICHAEL B	-- D	30	W	15	W	--	S	12	-72	H	--	--	--	-	-
W 62	423601N0713950.1	308	CERICOLA ROBERT	1969 W	--	S	15	W	--	R	14	--	H	9	--	--	-	-
W 63	423559N0713948.1	300	PHELPS JESSE J	1968 -	--	S	45	W	--	R	--	--	H	--	--	--	-	-
W 64	423628N0713910.1	300	HAINES WILLIAM	1964 R	2	S	21	W	22	R	20	7-64	H	23	--	--	-	-
W 65	423618N0713806.1	259	POUTENIS S	1970 V	8	O	20	W	--	R	--	--	H	--	--	--	-	-
W 66	423650N0713909.1	294	JEANNOTTE ROY L	1972 V	6	S	65	W	--	S	8	6-72	H	10	--	--	-	-
W 67	423523N0713954.1	300	WHEELER CHESTER	1941 O	30	W	10	W	--	R	6	7-73	H	--	--	--	-	-
W 68	423325N0713723.1	218	SHIRLEY VILLAGE	1973 -	8	S	52	T	52	R	6	10-73	U	240	16	24	D	P
W 69	423326N0713722.1	235	SHIRLEY VILLAGE	1973 W	2	S	62	T	62	R	17	8-73	U	--	--	--	D	-
W 70	423328N0713722.1	236	SHIRLEY VILLAGE	1973 W	2	S	75	T	75	R	65	10-73	U	--	--	--	-	-
W 71	423324N0713723.1	217	SHIRLEY VILLAGE	1973 W	2	S	49	T	49	R	3	9-73	U	--	--	--	D	-
							STERLING											
W 1	422805N0714808.1	710	LANCIANI NUNZIO	1920 D	24	W	15	O	--	T	6	11-63	H	--	--	--	-	-
W 2	422415N0714621.1	440	BLAKE BURTON L	1930 D	--	-	9	W	--	WU	6	8-49	S	--	--	--	-	-
W 3	422440N0714658.1	480	JOHNSON A	1934 C	6	X	101	W	--	--	--	--	H	5	--	--	-	-
W 4	422416N0714752.1	520	DERESZ J	1943 C	6	X	140	W	--	--	--	--	H	8	--	--	-	-
W 5	422427N0714756.1	525	KRISTOFF JOSEPH	1900 C	--	X	60	W	--	--	--	--	S	--	--	--	-	-
W 6	422527N0714837.1	510	LISTOWICH J M	1934 C	--	X	126	W	--	--	6	8-49	S	15	--	--	-	-
W 7	422522N0714835.1	500	LISTOWICH J M	1946 C	6	X	83	W	34	--	15	8-49	S	10	--	--	-	-
W 8	422601N0714848.1	440	CALCIA MARY	1948 W	2	S	19	W	19	--	--	--	C	60	--	2	-	-
W 9	422858N0714859.1	915	SAWYER LESTER T	1928 C	--	X	300	W	--	--	--	--	S	15	--	--	-	P
W 10	422901N0714858.1	930	SAWYER LESTER T	1947 C	8	X	710	W	5	--	48	8-49	H	43	--	--	-	P
W 11	422835N0714701.1	640	WALTON ROGER W	1928 C	6	X	100	W	54	--	39	8-49	H	3	--	--	-	-
W 12	422832N0714536.1	575	ORR FRANCIS J	1948 C	6	X	129	W	8	--	60	--	S	20	--	--	-	P
W 13	422816N0714448.1	460	BECRELLIS GEO	1946 C	6	X	205	W	16	--	22	-46	C	8	--	--	-	P
W 14	422712N0714348.1	435	HAYES W J	1930 C	--	X	280	W	--	--	--	--	H	--	--	--	-	-
W 15	422707N0714351.1	430	HAYES W J	1947 C	8	X	525	U	--	--	8	8-49	U	--	--	--	-	-
W 16	422711N0714359.1	430	HAYES D J	1949 -	8	G	50	W	51	R	P13	8-49	S	140	22	--	-	P
W 17	422654N0714406.1	465	GODFREY C H	1941 C	6	X	135	W	45	--	--	--	S	2	--	--	-	-
W 18	422625N0714445.1	605	PERRY JOHN	-- D	30	W	18	W	--	T	15	8-49	H	--	--	--	-	-
W 19	422626N0714444.1	600	PERRY JOHN	-- D	36	W	20	W	--	T	15	8-49	H	--	--	--	-	-
W 20	422453N0714427.1	525	ROGERS CARL B	1949 C	6	X	115	W	45	--	35	8-49	H	3	--	--	-	-
W 21	422420N0714547.1	540	STERLING CAMP	1948 C	6	X	150	W	84	O	25	8-49	H	4	--	--	-	-
W 22	422421N0714543.1	540	STERLING CAMP	-- D	36	-	39	W	--	T	24	8-49	H	--	--	--	-	P
W 23	422421N0714533.1	545	BOYS CLUB CAMP	1918 C	--	X	150	U	--	--	--	--	U	--	--	--	-	-
W 24	422424N0714536.1	540	STERLING HEALTH	1941 C	6	X	300	W	90	--	28	6-41	T	12	--	--	-	P
W 25	422546N0714547.1	550	ABARE JOHN	1945 C	--	X	220	U	70	--	--	--	N	4	--	--	-	-
W 26	422621N0714650.1	680	KOWALCZYAK WALT	1940 C	6	X	160	W	--	--	--	--	S	20	--	--	-	-
W 27	422652N0714748.1	645	WILDER RALPH	1940 C	6	X	160	W	82	--	30	8-49	S	9	--	--	-	-
W 28	422733N0714727.1	675	ST MARTIN LYNN	1948 C	6	X	228	W	--	--	34	8-49	S	3	--	--	-	-
W 29	422728N0714600.1	760	NIEDZIALKOSKI C	1937 C	6	X	125	W	--	--	44	8-49	S	15	--	--	-	-
W 30	422604N0714539.1	490	STER CIDER CO	1947 C	6	X	246	T	11	--	--	--	U	11	--	--	-	-
W 31	422603N0714542.1	480	STER CIDER CO	1948 C	8	G	25	W	--	--	P7	8-49	N	80	--	--	-	-
W 32	422531N0714627.1	470	MARIO PANDOLF	1934 D	600	W	30	W	--	R	16	8-49	N	700	--	--	-	-
W 33	422509N0714352.1	490	CHILDS	-- C	6	X	250	W	--	--	37	8-49	S	--	--	--	-	P
W 34	422614N0714338.1	512	DAVIS	1910 C	6	X	126	U	11	--	--	--	S	--	--	--	-	-
W 35	422644N0714327.1	450	MAECKEL DOUGLAS	1947 C	6	X	126	W	50	O	22	-47	C	2	--	--	-	-
W 36	422452N0714356.1	480	FAVREAU WILFRED	1945 C	6	X	155	W	9	O	80	-45	S	3	--	--	-	-
W 37	422446N0714613.1	452	VALENTINO J	1928 D	24	O	26	W	--	R	20	9-28	H	--	--	--	-	-
W 38	422517N0714629.1	448	STERLING TOWN	1934 V	2	O	27	W	--	4R	2	11-34	P	10	--	151	D	P
W 40	422732N0714338.1	525	DAVIS RUSSELL	1956 P	6	X	173	W	25	--	16	12-56	H	3	--	--	-	-
W 42	422634N0714535.1	600	PETERSON R R	1947 C	6	X	86	W	3	--	9	12-47	H	S	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
				STERLING --CONTINUED															
W	43	422525N0714747.1	440	CIBOROWSKI J S	1948	-	1	S	42	-	--	U	10	7-48	-	6	--	3	D	P
W	44	422623N0714446.1	610	COYNE HARRY J	1943	C	6	X	108	W	--	--	--	--	H	--	--	--	-	-
W	45	422850N0714600.1	530		--	D	36	W	15	U	--	--	9	5-39	U	--	--	--	-	-
W	46	422525N0714747.2	438	GREENMEADOW LDG	1961	P	6	X	190	W	98	--	--	--	C	8	--	--	-	P
W	50	422444N0714804.1	490	RAMSEY FRAZER D	--	-	--	-	96	W	--	--	--	--	H	--	--	--	-	P
W	51	422457N0714438.1	445	SHOLAN PARK	--	-	--	-	--	W	--	--	--	--	R	--	--	--	-	P
W	52	422518N0714627.1	440	STERLING TOWN	1954	C	12	G	31	W	--	BR	4	3-54	P	410	16	196	D	P
W	53	422510N0714400.1	490	FITCH FARM	1968	B	2	X	27	T	27	--	--	--	U	--	--	--	D	-
W	54	422451N0714708.1	418	PEAT AND LOAM	1970	W	2	S	52	W	--	4R	4	1-70	N	65	2	2	-	-
W	55	422749N0714631.1	625	ALLEN CHAS E	1951	C	6	X	123	W	22	--	29	6-51	H	5	--	--	-	-
W	56	422843N0714851.1	680	BLANCHARD J V	1952	C	6	X	140	W	2	--	40	2-52	H	6	--	--	-	-
W	57	422433N0714518.1	448	BLODGETT J T	1951	C	6	X	95	W	33	--	F	7-51	H	2	--	--	-	-
W	58	422604N0714850.1	440	BOYNTON ROY E	1956	W	2	S	35	W	--	R	--	--	H	8	--	--	D	-
W	59	422842N0714955.1	652	BUXTON NORMAN	1965	P	6	X	40	W	11	--	16	7-65	H	30	--	--	-	-
W	60	422840N0714634.1	610	CLEMENCE ROBT W	1963	P	6	X	310	W	7	--	20	10-63	H	3	--	--	-	-
W	61	422537N0714754.1	451	CROCKER	196S	-	6	X	110	W	105	--	110	7-65	H	--	--	--	-	-
W	62	422447N0714402.1	472	BRIETKRIETZ C W	1951	C	6	X	170	W	11	--	22	10-51	H	2	--	--	-	-
W	63	422503N0714354.1	490	CHILA ANTHONY	1963	-	6	X	206	W	15	--	44	10-63	H	--	--	--	-	-
W	64	422745N0714452.1	480	FITCH GEORGE	1964	P	6	X	115	W	5	--	22	8-64	H	10	--	--	-	-
W	65	422800N0714454.1	465	FARINELLI JOS	1962	P	6	X	170	W	80	--	--	--	H	15	--	--	-	-
W	66	422756N0714455.1	490		195B	P	6	X	320	W	87	--	59	3-58	H	7	--	--	-	-
W	67	422718N0714458.1	540	SELLARS GILBERT	--	-	--	-	205	W	--	--	--	--	H	--	--	--	-	P
W	68	422715N0714456.1	462	ROWLAND L PAUL	1956	P	6	X	190	W	41	--	15	5-56	H	4	--	--	-	-
W	69	422452N0714450.1	450	COLONNA JOSEPH	1964	P	6	X	150	W	89	--	--	--	H	2	--	--	-	-
W	70	422443N0714432.1	460	HOPFMANN ALWIN	1950	C	6	X	237	W	33	--	10	7-50	H	4	--	--	-	-
W	71	422444N0714435.1	450	HOPFMANN ERNEST	1950	C	6	X	222	W	39	--	6	7-50	H	4	--	--	-	-
W	72	422436N0714436.1	455	ALZAPIEDI R T	1960	P	6	X	580	W	97	--	--	--	P	.5	--	--	-	-
W	73	422425N0714446.1	450	GOULD DAVID	--	-	--	-	92	W	--	U	--	--	H	--	--	--	-	-
W	74	422424N0714444.1	450	MORIN JAMES	1967	P	6	X	325	W	106	--	F	11-67	H	2	--	--	-	-
W	75	422411N0714445.1	510	LAVOIE LIONELL	1965	P	6	X	200	W	89	--	--	--	H	4	--	--	-	-
W	76	422804N0714508.1	480	PERREAULT JACK	1962	P	6	X	375	W	57	--	36	6-62	H	20	--	--	-	-
W	77	422802N0714503.1	470	AGNEW	1966	-	6	X	145	W	105	--	15	4-66	H	15	--	--	-	-
W	78	422837N0714649.1	580	NELSON ROLAND	1963	P	6	X	100	W	33	--	30	9-63	H	35	--	--	-	-
W	79	422745N0714726.1	660	QUAIL MYLES J	1965	P	6	X	50	W	8	--	--	--	H	6	--	--	-	-
W	80	422657N0714745.1	542	WINSLOW JOHN	1963	P	6	X	345	W	61	--	21	9-63	H	2	--	--	-	-
W	81	422642N0714752.1	540	GENEVA JAMES	1970	P	6	X	290	W	95	--	20	2-70	H	4	--	--	-	-
W	82	422639N0714727.1	590	RAJANIEMI R	1962	P	6	X	160	W	42	--	7	6-62	H	6	--	--	-	-
W	83	422725N0714629.1	730	PATTEN EMERY	1960	P	6	X	170	W	94	--	25	-60	H	6	--	--	-	-
W	84	422649N0714629.1	700	LISTOWICH J W	1969	P	6	X	245	W	103	--	25	6-69	H	4	--	--	-	-
W	85	422638N0714535.1	600	JODREY MAX K	--	-	1	X	120	W	--	--	--	--	H	--	--	--	-	P
W	86	422548N0714546.1	540	PETERSON WM	1965	-	6	X	230	W	135	--	30	11-65	H	2	--	--	-	-
W	87	422445N0714523.1	443	LONNROTH WM B	1960	P	6	X	115	W	64	--	9	3-60	H	6	--	--	-	-
W	88	422444N0714515.1	443	HEINOLD CURTIS	1961	P	6	X	216	W	62	--	--	--	H	2	--	--	-	-
W	89	422443N0714517.	443	HEINOLD CARROLL	1960	P	6	X	327	W	67	--	50	3-60	H	.5	--	--	-	-
W	90	422420N0714615.1	442	TRUDEAU ISADORE	1949	W	2	S	34	W	--	U	6	10-49	H	5	--	1	-	P
W	91	422404N0714616.1	432	RING	1953	W	2	P	18	W	--	R	4	3-53	H	28	--	--	D	-
W	92	422418N0714607.1	442	LANC STER LUMB	1963	P	6	X	110	W	38	--	--	--	H	5	--	--	-	-
W	93	422413N0714752.1	518	MCCORMICK T J	1952	C	6	X	109	W	16	--	12	10-52	H	5	--	--	-	-
W	94	422449N0714806.1	470	LACEY JOHN	1964	-	6	X	163	W	50	--	--	--	H	8	--	--	-	-
W	95	422454N0714803.1	465	CUTLER RICHARD	1964	P	6	X	225	W	18	--	--	--	H	5	--	--	-	-
W	96	422452N0714754.1	478	HENDRICKSON D	1956	P	6	X	102	W	28	--	14	12-56	H	2	--	--	-	-
W	97	422539N0714840.1	520	FRENCH WILLARD	1952	C	6	X	160	W	6	--	5	8-52	H	2	--	--	-	-
W	98	422543N0714915.1	650	LEHTO EUGENE G	1965	-	6	X	204	W	19	--	--	--	H	5	--	2	-	-
W	99	422556N0714908.1	542	ORAM GEO	1962	W	2	P	32	W	--	R	9	10-62	H	4	--	--	D	-
W	100	422602N0714951.1	440	FIFE B EARL	1952	W	2	S	25	W	--	U	15	9-52	H	25	--	--	-	-
W	101	422617N0714918.1	515	MAKI OTTO J	1950	C	6	X	66	W	18	--	18	10-50	H	5	--	--	-	-
W	102	422522N0714637.1	470	MARIO PANDOLF	1964	V	2	S	42	T	48	R	9	9-64	U	45	4	2	D	-
W	103	422523N0713634.1	457	MARIO PANDOLF	1964	V	2	S	43	T	43	R	7	9-64	U	45	--	2	D	-
W	104	422525N0714628.1	565	MARIO PANDOLF	1964	V	2	S	33	T	--	R	15	9-64	U	20	--	--	D	-
W	105	422523N0714631.1	460	MARIO PANDOLF	1964	V	2	S	36	T	--	R	10	9-64	U	35	--	--	D	-
W	106	422522N0714637.2	470	MARIO PANDOLF	1971	-	12	G	45	W	--	R	4	3-71	N	200	--	--	D	-
W	107	422525N0714632.1	460	MARIO PANDOLF	1971	V	2	S	39	T	--	R	7	4-71	U	10	--	--	D	-
W	108	422525N0714632.2	460	MARIO PANDOLF	1958	C	12	G	32	W	32	R	13	4-58	N	318	7	12	D	-
W	109	422716N0714403.1	425	HAYES D J	1966	-	12	G	37	W	56	R	3	3-66	S	250	--	--	-	-
W	110	422631N0714846.1	450	STERLING TOWN	1969	-	8	S	75	T	--	BR	4	10-69	U	500	6	49	D	-
W	111	422827N0714448.2	468	SMITH FARM	1268	B	--	X	7	T	--	T	--	--	U	--	--	--	D	-
W	112	422824N0714443.1	455	SMITH FARM	1268	V	--	O	19	T	--	T	2	2-68	U	--	--	--	D	-
W	113	422824N0714452.1	465	SMITH FARM	1268	B	--	X	24	T	24	T	4	2-68	U	--	--	--	D	-
W	114	422818N0714419.1	432	NE POWER CO	1929	P	6	X	190	U	40	--	97	6-65	U	3	73	5	-	-
W	115	422819N0714413.1	430	NE POWER CO	1942	-	8	X	362	W	56	--	68	6-62	H	4	--	--	D	-
W	116	422858N0714636.1	714	BLODGET CHESTER	1949	C	6	X	204	W	0	--	27	5-49	H	2	--	--	-	-
W	117	422840N0714642.1	605	CLEMENCE ROBT W	1963	P	6	X	310	W	7	--	20	10-63	H	3	--	--	-	-
W	118	422716N0714745.1	551	WINTER ROBERT H	1955	-	6	-	155	W	20	--	6	-55	H	3	--	--	-	-
W	119	422630N0714801.1	510	POWERS JOHN J	1960	-	6	X	107	W	40	--	2	-60	H	20	--	--	-	-
W	120	422731N0714645.1	725	LEROUX GARY D	1967	-	6	X	180	W	91	--	--	--	H	7	--	--	-	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
				STERLING --CONTINUED														
W 121	422705N0714655.1	784	VAGHINI JOHN R	1968 -	6	X	208	W	175	--	--	--	H	20	--	--	-	-
W 122	422725N0714654.1	728	WHITMAN B	1972 R	8	X	280	W	8	--	8	-72	H	5	--	--	-	-
W 123	422716N0714746.1	575	HULICK H	1955 R	4	X	88	W	3	--	60	-55	H	15	--	--	-	-
W 124	422542N0714801.1	464	LAFAYETTE L E	-- -	6	X	100	W	--	--	--	--	H	--	--	--	-	-
X 1	422718N0714449.1	455	STERLING TOWN	1963 B	2	-	15	T	--	--	D	-63	U	--	--	--	D	-
X 2	422608N0714547.1	510	STERLING TOWN	1963 B	2	-	7	T	--	--	D	-63	U	--	--	--	D	-
X 3	422613N0714528.1	500	STERLING TOWN	1963 B	2	-	10	T	--	--	D	-63	U	--	--	--	D	-
				TOWNSEND														
W 1	423939N0714213.1	270	FESSENDEN CO	1850 D	108	-	25	W	--	S	--	--	N	--	--	--	-	-
W 2	424018N0714221.1	310	W TOWNSEND SCH	1917 V	30	-	20	-	--	U	--	--	-	--	--	--	-	-
W 3	424035N0714421.1	330	FESSENDEN CO	-- D	30	O	10	-	--	U	6	--	-	--	--	--	-	-
W 4	423955N0714228.1	295	ADAMS U S	-- D	--	-	--	-	--	R	--	--	-	--	--	--	-	-
W 5	424021N0714203.1	290	SHERRIN MARY	-- D	36	O	8	W	--	R	6	--	H	--	--	--	-	-
W 6	424021N0714200.1	290	SHERRIN MARY	-- D	30	O	7	U	--	R	3	--	U	--	--	--	-	-
W 7	424030N0714116.1	335	DOLE W A	-- D	48	W	20	-	--	U	10	--	-	--	--	--	-	-
W 8	424030N0714116.2	335	DOLE W A	1880 D	48	O	15	-	--	U	5	--	-	--	--	--	-	-
W 9	424037N0714450.1	315	EDWARDS JOHN	1890 D	84	O	10	W	--	R	7	--	N	--	--	--	-	-
W 11	424012N0714250.1	315	SPAULDING MEM S	1931 C	8	X	140	-	70	H	--	--	-	50	--	7	-	-
W 12	424006N0714220.1	308	TOWNSEND TOWN	1886 C	2	-	--	-	--	--	--	--	-	--	--	--	-	-
W 13	424055N0714353.1	310	US GEOL SURVEY	1964 B	2	S	33	O	--	TS	13	11-64	U	--	--	--	G	-
W 14	423924N0714525.1	440	PEARL HILL BRK	-- -	--	-	140	W	--	--	--	--	P	--	--	--	-	P
W 15	424019N0714556.1	470	RYAN WM	-- -	--	-	282	W	--	H	--	--	H	--	--	--	-	P
W 16	423902N0713934.1	275	N MIDDLESEX HS	1960 -	--	-	21	W	--	R	7	1-60	T	25	--	--	D	-
W 17	424033N0714626.1	530	HAGSTROM ROBT N	1960 P	6	X	350	W	96	H	--	--	H	8	--	--	-	-
W 18	424019N0714554.1	965	CONNORS WILLIAM	1965 -	6	X	285	W	38	--	--	--	H	2	--	--	-	-
W 19	424047N0714548.1	340	ETANI KENJI	1969 P	6	X	290	W	96	H	--	--	H	4	--	--	-	-
W 20	423754N0714359.1	468	BOURQUE RAYMOND	1964 -	6	X	175	W	20	--	10	1-64	H	--	--	--	-	-
W 21	423806N0714351.1	478	OLSEN ERLING M	1964 -	6	X	73	W	18	--	10	5-64	H	2	--	--	-	-
W 22	423810N0714411.1	535	HARTMANN M	1964 -	6	X	243	W	19	--	20	11-64	H	3	--	--	-	-
W 23	423836N0714437.1	625	HANNULA	1966 -	6	X	125	W	10	H	6	4-66	H	4	--	--	-	-
W 24	423846N0714440.1	648	MORIN ROGER G	1964 -	6	X	173	W	95	H	--	--	H	6	--	3	-	-
W 25	423847N0714434.1	640	WILSON DONALD	1964 P	6	X	220	W	43	H	25	1-64	H	2	--	--	-	-
W 26	423917N0714452.1	615	MAKI MARTIN	1965 -	6	X	200	W	5	H	15	1-65	H	1	--	--	-	-
W 27	423925N0714422.1	622	POUDRIER JOS	-- -	--	-	1127	W	10	H	--	--	H	--	--	--	-	-
W 28	423925N0714334.1	512	PANANOS ANGELO	1970 P	6	X	435	W	4	--	12	12-70	H	4	--	--	-	-
W 29	423927N0714301.1	325	SPAULDING WM	1966 -	6	X	480	W	2	--	60	9-66	H	2	--	--	-	-
W 30	423830N0714341.1	485	AHO VILJO	1964 -	6	X	300	W	80	--	31	11-64	H	--	--	--	-	-
W 31	423831N0714338.1	472	AHO ARVO	1964 -	6	X	160	W	32	--	30	11-64	H	5	--	--	-	-
W 32	423747N0714113.1	350	FORD CLIFFORD	-- -	--	-	90	W	--	D	--	--	H	--	--	--	-	-
W 33	423924N0714007.1	280	LEWIS BURTON	1965 -	2	X	36	W	28	D	26	2-65	H	--	--	--	-	-
W 34	423953N0714017.1	395	SULLIVAN R P	1965 -	6	X	140	W	4	D	20	6-65	H	50	--	--	-	-
W 35	424057N0714037.1	560	BROWN ROBERT E	1965 -	6	X	89	W	18	O	12	1-65	H	--	--	--	-	-
W 36	424101N0714037.1	550	OJALA JORMI L	1966 -	6	X	245	W	56	O	20	5-66	H	--	--	--	-	-
W 37	424112N0714037.1	532	PACKARD WALTER	1950 C	6	X	390	W	38	O	106	4-50	H	.2	--	--	-	-
W 38	424129N0714037.1	470	AHO SELMA	1965 -	6	X	200	-	45	O	--	--	H	3	--	--	-	-
W 39	424043N0714331.1	290	BEESE WALTER T	1961 W	1	S	32	W	--	BR	--	--	H	--	--	--	D	-
W 40	424051N0714259.1	305	FREEMAN GEORGE	-- -	--	-	85	W	--	--	--	--	H	--	--	--	-	P
W 41	424048N0714227.1	322	SISSOM HAROLD	-- V	--	-	30	W	--	R	--	--	H	--	--	--	-	-
W 42	423852N0714030.1	285	ARCHAMBAULT L	1970 P	6	X	300	W	50	O	--	--	H	2	--	--	-	-
W 43	424014N0714118.1	310	WORNHAM AUBREY	1963 -	6	X	80	W	7	O	19	8-63	H	--	--	--	-	-
W 44	424136N0714049.1	360	HOOPER ROBT	1969 P	6	X	415	W	100	--	--	--	H	10	--	--	-	-
W 45	424152N0713958.1	482	LOUDEN ROBT	-- -	--	-	153	W	10	O	--	--	H	--	--	--	-	-
W 46	424133N0714516.1	325	LARSON LEE J	-- -	10	X	305	W	--	H	--	--	H	--	--	--	-	-
W 47	424143N0714544.1	340	IDE EDWARD L	1971 A	6	X	205	W	40	H	15	5-72	H	2	--	--	-	-
W 48	424215N0714338.1	690	ROBERTS HERBERT	1967 A	6	X	308	W	15	H	20	9-67	H	.5	--	--	-	-
W 49	424048N0714331.1	308	LOWE CLARENCE O	1966 W	2	S	57	W	--	S	5	--	H	--	--	--	-	-
W 50	424052N0714231.1	325	ESPOSITO MARY B	1971 V	6	-	30	W	--	R	--	--	H	--	--	--	-	-
W 51	424044N0714220.1	325	WARNER JAMES A	1971 W	3	S	23	W	--	R	20	-71	H	--	--	--	-	-
W 52	424041N0714206.1		WILSON GEORGE R	1964 -	--	-	--	W	--	--	--	--	H	--	--	--	-	-
W 53	424202N0713954.1	480	PHINNEY PAUL T	1971 -	12	O	73	W	25	O	F	--	H	75	--	--	-	-
W 54	424208N0713956.1		LONDON R H	1965 -	6	X	156	W	5	O	--	--	H	5	--	--	-	-
W 55	424141N0714034.1	410	MAUMAN HERBORT	1967 D	24	D	10	W	10	T	8	8-71	H	--	--	--	-	-
W 56	423942N0714002.1	348	BEAUREGARD F E	1950 -	6	X	125	W	2	O	12	-59	H	--	--	--	-	-
W 57	424022N0713915.1	308		-- D	30	O	8	-	--	R	--	--	-	--	--	--	-	-
W 58	424016N0713927.1	330	ROBERTS WILLIAM	-- -	--	-	48	W	--	--	--	--	H	4	--	--	-	-
W 59	424008N0713932.1	305	GREELEY OLINT	1956 -	6	X	45	W	15	O	12	9-71	H	4	--	--	-	-
W 60	424044N0714126.1	310	PERIGHY LIONEL	1964 U	36	O	20	W	--	GR	5	--	H	--	--	--	-	-
W 61	424035N0714150.1	298	FRANCOEUR JAMES	1965 D	42	O	12	W	--	--	6	9-72	H	--	--	--	-	-
W 62	423848N0714613.1	468		-- D	48	O	8	W	--	U	6	--	H	30	--	--	-	-
W 63	423922N0714320.1	500		1966 -	--	X	190	W	90	--	--	--	H	3	--	--	-	-
W 64	423854N0714349.1	518	LAITINEN PAUL	-- D	30	W	15	W	15	S	10	8-72	H	--	--	--	-	-
W 65	423850N0714410.1	575	AALTO WAINO	1962 D	36	O	14	W	14	T	6	9-72	H	7	--	--	-	-
W 66	424337N0714240.1	355	GOULD CHARLES	1937 D	--	O	12	W	--	R	7	6-72	H	--	--	--	-	-
W 67	423833N0714231.1	360	BECHARD WILFRED	-- -	8	X	500	U	35	--	20	5-72	U	1	--	--	-	-
W 68	423856N0714119.1	280	LEAHY FRANK	-- D	36	W	20	W	--	R	3	--	H	--	--	--	-	-
W 69	423754N0714118.1	361	FRANCOEUR W	1954 -	6	X	85	W	15	O	7	5-54	H	5	--	--	-	-
W 70	424035N0714515.1	315	TOWNSEND TOWN	1953 -	2	S	64	W	--	R	2	10-26	P	85	--	--	D	P
W 71	423845N0714114.1	275	HICKS R M INC	1972 W	2	S	76	T	76	R	5	4-72	U	60	2	6	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
								TOWNSEND --CONTINUED											
W	72	423842N0714055.1	275	HICKS R M INC	1972	-	18	G	61	W	62	R	4	8-72	P	1215	34	48	D	P
W	73	424025N0714624.1	418	WILLARD BROOK	--	-	6	X	188	W	--	H	18	3-60	H	10	50	24	-	-
W	74	424045N0714257.1	318	TOWNSEND TOWN	1975	W	2	O	58	T	--	2S	11	-74	U	--	--	--	D	-
W	75	423828N0713958.1	272	TOWNSEND TOWN	1975	W	2	O	95	T	--	2S	13	-74	U	--	--	--	D	-
W	76	423828N0714009.1	265	TOWNSEND TOWN	1974	W	2	O	63	T	--	2S	9	-74	U	--	--	--	D	-
W	77	423902N0714013.1	275	TOWNSEND TOWN	1975	W	2	S	74	T	--	2S	16	-74	U	32	--	--	D	C
								WEST BOYLSTON											
W	1	422116N0714809.1	645	W BOYLSTON WD	1940	C	10	S	41	W	--	R	--	--	P	150	6	480	-	-
W	2	422116N0714818.2	645	W BOYLSTON WD	1940	C	10	S	44	W	--	R	--	--	P	165	--	216	-	-
W	3	422324N0714731.1	395	CHAPMAN ROBT E	1950	C	12	S	34	W	--	4G	11	6-50	H	150	7	--	D	-
W	4	422125N0714808.1	645	W BOYLSTON WD	1966	C	16	G	56	W	65	4G	5	7-66	P	251	12	48	D	-
W	5	422116N0714818.1	645	W BOYLSTON WD	1952	C	10	G	48	W	--	R	6	6-52	P	300	11	48	-	P
W	6	422312N0714752.1	395	W BOYLSTON WD	1953	C	24	S	56	T	80	R	9	-53	U	725	10	144	D	-
W	7	422224N0714818.1	680	WHITING ALFRED	1959	P	6	X	340	W	1	H	--	--	H	20	--	--	-	-
W	8	422224N0714818.1	590	LEWIS B HAROLD	1952	C	6	X	168	W	26	O	30	6-52	H	2	--	--	-	-
W	9	422222N0714809.1	670	MEYER WALTER S	1945	C	6	X	150	W	18	O	33	9-45	H	4	--	--	-	-
W	10	422321N0714903.1	570	KORPI MATTI	1949	C	6	X	109	W	48	H	21	12-49	H	6	--	--	-	-
W	11	422328N0714806.1	492	NORDSTROM B	1940	C	6	X	195	W	--	--	--	--	H	--	--	--	-	-
W	12	422131N0714730.1	640	WACHUSETT CC	--	V	2	O	53	W	--	R	0	--	I	18	--	--	-	-
W	13	422033N0714611.1	560	AMERICAN LEGION	1966	P	6	X	100	W	19	N	25	12-66	H	15	--	--	-	-
W	18	422141N0714833.1	860	PIERPONT HARLAN	1951	C	6	X	160	W	6	H	38	8-51	H	.5	--	--	-	-
W	19	422323N0714612.1	485	W BOYLSTON WD	1952	W	2	O	21	T	--	8P	--	--	U	--	--	--	D	-
W	20	422335N0714626.1	430	W BOYLSTON WD	1952	-	2	O	21	T	--	R	--	--	U	--	--	--	D	-
W	21	422341N0714627.1	430	W BOYLSTON WD	1952	-	2	O	42	T	--	R	5	10-52	U	100	3	6	D	-
W	22	422052N0712319.1	400	W BOYLSTON WD	1966	-	2	O	68	T	68	Q	22	7-66	U	--	--	--	D	-
W	23	422126N0712325.1	390	W BOYLSTON WD	1966	-	2	O	65	T	65	7R	10	7-66	U	--	--	--	D	-
W	24	422123N0712324.1	388	W BOYLSTON WD	1966	-	2	S	81	T	81	7R	17	7-66	U	20	--	--	D	-
W	25	422127N0712320.1	398	W BOYLSTON WD	1970	C	18	G	111	W	137	R	20	5-70	P	402	24	48	D	P
X	1	422313N0714811.1	405	MDC	1926	-	--	-	42	T	32	--	--	--	U	--	--	--	-	-
								WESTMINSTER											
B	1	423332N0715556.1	1106	MDPW	1961	-	--	-	39	T	--	--	0	4-61	U	--	--	--	O	-
B	2	423254N0715434.1	1009	MDPW	1964	B	--	X	22	T	12	O	7	6-64	U	--	--	--	D	-
B	3	423239N0715356.1	930	MDPW	1964	W	--	O	20	T	--	R	5	5-64	U	--	--	--	D	-
W	1	423302N0705607.1	1140	HAYNES ENOS	1939	C	6	X	150	W	--	--	40	-49	H	6	--	--	-	-
W	2	423337N0715622.1	1170	KARKKAEN ANDREW	1939	D	36	-	28	W	12	--	22	8-49	H	--	--	--	-	P
W	3	423348N0715558.1	1160	JAASKELAINEN H	1918	D	42	-	22	W	--	T	17	8-49	S	--	--	--	-	-
W	4	423458N0715522.1	892	GARDNER ST HOSP	--	D	24	O	14	W	--	9S	P12	8-49	T	--	--	--	-	-
W	5	423458N0715522.2	892	GARDNER ST HOSP	--	D	24	O	14	W	--	9S	P13	8-49	T	--	--	--	-	-
W	6	423458N0715522.3	892	GARDNER ST HOSP	--	D	24	-	16	W	--	9S	P15	8-49	T	--	--	--	-	-
W	7	423310N0715519.1	1085	SORILA ARVO	1949	U	40	-	7	W	--	--	5	8-49	H	--	--	--	D	-
W	8	423302N0715436.1	1030	LUOMA ELMER E	1939	C	6	X	65	W	18	--	25	-39	H	1	--	--	-	P
W	9	423300N0715432.1	1035	SAINI JACOB	1948	C	6	X	210	W	20	--	25	-48	H	10	--	--	-	-
W	10	423258N0715435.1	1020	KEYSER F A	1941	C	--	X	112	W	20	--	--	--	H	--	--	--	-	-
W	11	423402N0715418.1	1035	RAYWANEN W JR	1948	D	24	O	14	W	--	U	11	8-49	I	--	--	--	-	-
W	12	423449N0715412.1	815	WILEN A	1943	C	6	X	110	W	56	--	7	-43	S	20	--	--	D	-
W	13	423523N0715417.1	860	ENGMAN S	1949	D	24	O	18	W	16	T	14	8-49	H	--	--	--	-	-
W	14	423522N0715400.1	965	DAHM MAYNARD	1948	C	6	X	133	W	--	--	--	--	H	2	--	--	-	-
W	15	423459N0715406.1	805	ADAMS CHARLES	1941	C	6	X	135	W	--	--	7	8-49	H	7	--	--	-	-
W	16	423451N0715410.1	805	MIKI E	1918	V	1	O	30	W	--	S	--	--	H	--	--	--	-	-
W	17	423403N0715246.1	760	SABILAMPI BROS	1926	O	36	-	6	W	--	U	2	8-49	S	--	--	--	-	-
W	18	423400N0715247.1	745	SABILAMPI BROS	1926	D	36	-	6	W	--	U	2	8-49	H	--	--	--	-	-
W	19	423233N0715434.1	1022	LAUGHLIN SCHOOL	1951	C	8	X	261	W	99	--	25	5-51	T	30	--	24	-	P
W	20	423049N0715407.1	1150	LEHTONEN OSCAR	--	D	--	-	22	W	22	T	21	8-49	H	--	--	--	-	-
W	21	423106N0715330.1	910	STANKIATIS WALT	1939	D	30	-	9	W	--	U	8	8-49	H	--	--	--	-	-
W	22	423549N0715150.1	715	WISWELL WALTER	1919	D	30	-	13	W	--	U	10	8-49	S	--	--	--	-	-
W	24	423247N0715448.1	1078	RAHAIM PETER	1945	C	6	X	300	U	20	--	18	-45	U	14	--	--	-	P
W	25	423233N0715433.1	1080	UPTON SCHOOL	--	C	6	X	190	W	108	--	--	--	T	4	--	--	-	P
W	28	423130N0715242.1	905	BABINEAU A J	1949	C	6	O	143	W	143	R	33	6-49	H	400	--	6	D	-
W	30	423218N0715409.1	1050	KOTKA WAINO	--	-	--	-	89	W	--	--	--	--	H	--	--	--	-	-
W	31	423148N0715515.1	1060	CHALMERS FRED	1944	O	30	-	30	W	30	--	3	8-49	H	--	0	7	-	-
W	32	423113N0715454.1	1245	BENNETT W C	--	D	36	-	17	W	--	U	D	8-49	H	--	--	--	-	-
W	36	423258N0715310.1	860	OLD MILL REST	1946	C	6	X	135	W	0	--	F	--	C	--	--	--	-	-
W	38	423229N0715619.1	1110	BAUM RUSSELL	--	D	--	-	12	W	--	R	10	8-39	H	--	--	--	-	-
W	39	423230N0715622.1	1130	LEMIEUR HENRY	1948	V	8	-	118	W	14	--	30	8-49	H	2	--	--	-	-
W	40	423135N0715646.1	1110	WESTMINSTER	1969	V	2	-	12	T	--	--	D	7-69	U	--	--	--	D	-
W	42	423457N0715412.1	795	GARDNER ST HOSP	--	-	--	-	25	T	--	9S	--	--	U	36	--	--	D	P
W	43	423455N0715411.1	790	GARDNER ST HOSP	1940	-	--	-	22	T	--	S	--	--	U	40	--	--	D	P
W	44	423458N0715412.1	794	GARDNER ST HOSP	1940	-	--	-	24	T	28	9S	--	--	U	60	--	--	D	P
W	45	423457N0715410.1	790	GARDNER ST HOSP	--	-	--	-	23	T	34	S	--	--	U	40	--	--	D	P
W	46	423501N0715413.1	795	GARDNER ST HOSP	--	-	--	-	20	T	--	S	--	--	U	--	--	--	D	-
W	47	423502N0715418.1	797	GARDNER ST HOSP	--	-	--	-	30	T	33	9S	--	--	U	50	--	--	D	P
W	48	423502N0715417.1	787	GARDNER ST HOSP	--	-	--	-	29	T	--	9S	--	--	U	--	--	--	D	P
W	49	423059N0715323.1	900	WESTMINSTER	1969	V	2	-	7	T	--	--	D	7-69	U	--	--	--	D	-
W	50	423056N0715330.1	930	WESTMINSTER	1969	V	2	S	28	T	40	4R	5	7-69	U	10	--	--	D	-
W	51	423053N0715323.1	898	WESTMINSTER	1969	V	2	S	41	T	41	Y	6	7-69	U	25	--	5	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ METHOD DRILLED	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
					WESTMINSTER --CONTINUED														
W	52	423051N0715327.1	900	WESTMINSTER	1969 V	2	S	36	T	50	U	7	7-69	U	60	--	--	D	P
W	53	423248N0715521.1	1135	SMITH WATER CO	1954 D	--	-	20	W	--	SP	--	--	P	--	--	--	-	P
W	55	423257N0715533.1	1090	WESTMINSTER	1969 V	2	-	19	T	19	--	D	7-69	U	--	--	--	D	-
W	56	423253N0715544.1	1120	WESTMINSTER	1969 V	2	S	25	T	45	R	3	7-69	U	40	--	--	D	P
W	57	423252N0715547.1	1115	WESTMINSTER	1969 V	2	S	25	T	45	R	6	7-69	U	40	--	--	D	-
W	58	423256N0715548.1	1088	WESTMINSTER	1969 V	2	S	34	T	45	SR	0	10-69	U	45	--	--	D	-
W	59	423128N0715308.1	925	WESTMINSTER	1970 V	2	S	47	T	58	2S	14	12-70	U	32	2	2	D	-
W	60	423129N0715309.1	905	WESTMINSTER	1970 W	2	S	73	T	85	4S	4	10-70	U	34	7	336	D	P
W	61	423132N0715308.1	900	WESTMINSTER	1N70 W	2	S	45	O	51	S	2	11-70	U	10	--	--	D	P
W	62	423432N0715417.1	835	HONKALA LOUIS F	-- D	30	O	12	W	--	R	6	-71	H	3	--	--	-	-
W	63	423337N0715459.1	1135	MICHELSON KEN	1965 P	6	X	180	W	63	O	30	8-65	H	3	--	--	-	-
W	64	423339N0715459.1	1120	WOCSKI HENRY	1953 -	6	X	85	W	50	O	30	--	H	8	--	--	-	-
W	65	423353N0715509.1	1050	ECKELS GEORGE R	-- D	48	W	12	W	--	T	1	10-72	H	--	--	--	-	-
W	66	423351N0715513.1	1060	WIINIKAINEN W	1948 -	5	X	150	W	15	O	30	-70	H	14	--	--	-	-
W	67	423428N0715311.1	790	ALDRICH RUSSELL	-- -	--	-	80	W	--	R	--	--	H	--	--	--	-	-
W	68	423435N0715314.1	800	PAGE CHARLES E	1951 C	6	X	102	W	15	--	30	-51	H	3	--	--	-	-
W	69	423450N0715344.1	805	HAY ADAM	-- D	24	W	17	W	17	R	12	9-70	H	--	--	--	-	-
W	70	423459N0715402.1	830	PUCKO PAUL	-- D	36	W	12	W	--	R	--	--	H	--	--	--	-	-
W	71	423620N0715500.1	850	KAMILA DAVID A	-- -	--	-	--	W	--	--	10	9-72	H	--	--	--	-	-
W	72	423558N0715438.1	845	BEDARD LEON S	1969 A	6	X	165	W	15	--	7	-69	H	10	--	--	-	-
W	73	423551N0715436.1	830	WALLIN GEORGE I	-- D	40	W	11	W	--	R	8	9-72	H	--	--	--	-	-
W	74	423516N0715418.1	815	RIDLEY IRWIN A	-- -	6	X	108	W	6	--	8	-69	H	--	--	--	-	-
W	76	423131N0715320.1	900	STOLZ H & JR	1969 V	--	-	12	W	--	R	6	9-72	H	--	--	--	-	-
W	77	423058N0715254.1	895	HARRINGTON F S	1925 D	48	W	14	W	--	R	5	10-72	H	--	--	--	-	-
W	78	423036N0715231.1	920	DIBATTISTA DINO	1971 P	6	X	230	W	72	H	--	--	H	3	--	--	-	-
W	79	423106N0715241.1	920	BRAGDON ROGER N	1951 D	32	O	35	W	--	R	30	9-72	H	--	--	--	-	-
W	80	423234N0715453.1	1130	WESTMNSTR AQUED	1951 D	109	-	14	-	--	U	0	--	P	--	--	--	-	-
W	82	423511N0715219.1	1005	HEIKKURINEN J	1963 -	6	X	157	W	--	--	34	10-63	H	7	47	2	-	-
W	83	423311N0715640.1	1135	MARCEAU PAUL	-- V	--	-	120	W	--	--	--	--	H	--	--	--	-	P
W	84	423331N0715322.1	955	LANISA TOIVO	-- -	6	X	120	W	70	--	20	--	H	--	--	--	-	-
W	85	423249N0715237.1	900	RAMEAU RICHARD	1965 P	6	X	320	W	10	--	--	--	H	26	--	--	-	-
W	86	423149N0715421.1	1098	OCONNOR PHILIP	1965 -	6	X	405	W	3	--	--	--	H	7	--	2	-	-
W	89	423049N0715407.2	1152	ALLEN	1965 -	6	X	225	W	22	--	50	7-65	H	--	--	--	-	-
W	92	423256N0715236.1	885	BEAUREGARD V	1964 P	6	X	240	W	18	--	--	--	H	3	--	--	-	-
W	93	423308N0715622.1	1093	BEAUREGARD V M	1949 C	6	X	118	W	22	--	19	12-49	H	6	--	--	-	-
W	94	423153N0715224.1	905	BIRCH WARREN	1963 -	6	X	126	-	18	--	7	11-63	H	10	27	1	-	-
W	95	423041N0715237.1	902	BONINI ANTONIO	1963 P	6	X	175	W	90	--	--	--	H	60	--	--	-	-
W	96	423521N0715417.1	855	BROWN STEPHAN S	1964 P	6	X	155	W	15	--	--	--	H	2	--	--	-	-
W	98	423137N0715219.1	955	CENTER WARREN A	1960 P	6	X	105	W	59	--	17	9-60	H	4	--	--	-	-
W	99	423135N0715253.1	889	CORMIER EMILE F	1971 P	6	X	260	W	120	--	--	--	H	3	--	--	-	-
W	101	423528N0715403.1	980	ENGMAN WALTER	1964 P	6	X	97	W	17	--	--	--	H	--	--	--	-	-
W	102	423538N0715401.1	7010	GILLILAND JOHN	1964 P	6	X	505	W	5	--	--	--	H	1	--	--	-	-
W	104	423156N0715224.1	895	GRAVES JOHN	-- -	--	-	150	W	--	--	--	--	H	--	--	--	-	-
W	110	423151N0715258.1	889	HUGHES RICHARD	1969 P	6	X	330	W	23	--	40	10-69	H	20	--	--	-	-
W	112	423612N0715448.1	835	ILVONEN TOIVO	1965 -	--	X	220	W	62	--	--	--	H	60	--	2	-	-
W	113	423620N0715208.1	775	JARVELA EDWARD	1965 -	6	X	200	W	85	--	+3	1-65	H	24	--	2	-	-
W	114	423109N0715454.1	1238	JARVIS STEPHEN	1964 P	6	X	200	W	19	--	35	11-64	H	3	--	--	-	-
W	115	423305N0715201.1	741	JESS CARL	1962 P	6	X	495	W	--	--	--	--	H	4	--	--	-	-
W	116	423126N0715333.1	952	KASPER JAMES E	1965 P	6	X	265	W	83	--	32	8-65	H	50	--	--	-	-
W	117	423221N0715618.1	1132	LALIBERTE HENRY	-- -	--	-	110	W	--	--	--	--	H	--	--	--	-	-
W	118	423328N0715313.1	915	LEBLANC L O SR	1968 P	6	X	185	W	5	--	--	--	H	7	--	--	-	-
W	120	423057N0715509.1	1235	MAKELA OLAVI	1965 P	6	X	69	W	36	--	42	9-65	H	12	--	--	-	-
W	121	423146N0715245.1	892	MALONEY JAMES	1971 P	6	X	440	W	136	--	--	--	H	4	--	--	-	-
W	123	423309N0715523.1	1092	MATESOWICZ Z	1952 C	6	X	73	W	25	--	--	--	H	--	--	--	-	-
W	126	423122N0715334.1	955	MURDOCK WARREN	1963 -	6	X	140	-	97	--	24	8-63	H	--	--	--	-	-
W	127	423213N0715630.1	1120	OBRIEN WM J	1970 P	6	X	110	W	24	--	--	--	H	10	--	--	-	-
W	129	423230N0715602.1	1140	PEACEWM H	1966 P	6	X	70	W	16	--	--	--	H	12	--	--	-	-
W	130	423215N0715409.1	1175	PHELPS RUSSELL	1966 P	6	X	260	W	--	--	--	--	H	.2	--	--	-	-
W	131	423111N0715241.1	905	QUINN THOMAS	1967 P	6	X	320	W	--	--	--	--	H	--	--	--	-	-
W	132	423113N0715531.1	1195	RAITA AARO	1964 -	6	-	160	-	15	--	20	12-64	H	5	--	4	-	-
W	134	423433N0715314.1	782	RINGQUIST CARL	1971 P	6	X	470	W	--	--	30	8-71	H	1	--	--	-	-
W	135	423232N0715428.1	1121	SARGEANT JOHN A	1953 C	8	X	258	W	131	--	--	--	H	30	--	--	-	-
W	136	423137N0715236.1	890	SDARI LYLLI	1971 P	6	X	490	W	60	--	--	--	H	300	--	--	-	-
W	137	423116N0715452.1	1238	TORNI WALTER	1965 -	6	X	160	W	6	--	40	10-65	H	--	--	--	-	-
W	138	423304N0715325.1	925	TRINQUE LIONEL	1964 P	6	X	65	W	22	--	--	--	H	100	--	--	-	-
W	141	423345N0715228.1	680	DECOTONE PROD	-- V	2	-	39	T	--	--	--	--	-	12	--	--	D	-
W	142	423116N0715118.1	840	LEOM ST FOREST	1965 P	6	X	275	W	20	--	23	2-65	P	10	--	--	-	-
W	143	423307N0715211.1	784	ADV COATINGS CO	1945 C	6	X	400	W	20	--	32	3-45	N	15	--	--	-	-
W	144	423100N0715505.1	1225		1970 -	--	-	350	W	--	--	18	--	H	--	--	--	-	-
W	145	423251N0715539.1	1105	WESTMINSTER	1969 W	2	O	60	T	60	--	--	--	U	--	--	--	D	-
	146	423255N0715537.1	1090	WESTMINSTER	1969 W	2	O	28	T	28	--	2	7-69	U	--	--	--	D	-
					WORCESTER														
	12	422023N0714714.1	610	MONTROSE DAIRY	1936 C	--	X	--	W	--	--	0	12-47	N	--	--	--	-	-
W	23	422021N0714712.1	610	MEOLA DAIRY BAR	1942 C	6	X	138	W	80	--	18	-49	C	5	0	12	-	-
W	88	422021N0714716.1	610	MEOLA ANTHONY	1942 C	6	X	160	W	--	--	18	9-42	H	15	0	12	-	-

Table 1A. -- *Description of selected wells, test wells and borings*

[a dash indicates no data are available]

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE (FT)	OWNER OR USER	YEAR\METHOD DRILLED	WELL DIAMETER (IN.)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD	PUMPAGE DD	PUMPAGE TIME	LOG	QW
										BOLTON								
W 133	4225230713954.1	420	SCHULTZ JOHN H	1981 P	6	X	224	W	2	H	15	10-81	H	30	-	-	-	-
W 134	4227590713741.1	275	DUNELLS GEORGE	2-82 P	6	X	400	W	4	H	-1	05-82	H	3	-	-	-	-
W 135	4228010713752.1	265	RUSSELL BRUCE	1-80 P	6	X	50	W	16	H			H	100	-	-	-	-
W 136	4225490713850.1	415	INT'L GOLF CLUB	4-81 C		P	128	W	128	G	72	11-81	H	1170	6	24	-	-
W 137	422653071375501	405	LEDUC RICHARD	8-82 P	6	X	363	W	108	H	50	09-82	H	8	-	-	-	-
W 138	422653071375301		LEDUC RICHARD	6-82 P	6	X	303	W	98	H	50	08-82	H	5	-	-	-	-
W 139	422813071373701	285	DUNELLS GEORGE	9-81 P	6	X	343	W	31	H	20	10-81	H	12	-	-	-	-
										FITCHBURG								
W 66	423302071484001	810	KANE J	0-78 P	6	X	225	W	3	H	1	04-78	H	12	-	-	-	-
W 67	423314071482001	735	LECLERC RICHARD	1-80 P	6	X	220	W	6	H			H	10	-	-	-	-
W 68	423600071512001	915	DOAK SAMUAL	0-77 P	6	X	215	W	80	H	40	04-77	H	9	-	-	-	-
										GROTON								
A 1	423806071391601	275	GROTON TOWN	7-84 B	8	-	-	U		X	22	08-84		-	-	-	-	-
W 87	423908071342801	245	MORGAN C W	0-80 P	6	X	400	W	25	H	25	06-80	H	2	-	-	-	-
W 88	423907071342301	240	MORGAN C W	2-80 P	6	X	460	W	30	H	40	03-80	H	20	-	-	-	-
W 89	423906071342701	250	MORGAN C W	1-80 P	6	X	320	W	20	H			H	15	-	-	-	-
W 90	423831071342401	230	MORGAN C W	1-80 P	6	X	560	W	24	H			H	-	-	-	-	-
W 91	423906071342702	240	MORGAN C W	5-81 P	6	X	422	W	12	H	10	08-81	H	2	-	-	-	-
W 92	423910071342501	260	MORGAN C W	3-80 A	6	X	380	W	30	H	40	03-80	H	25	-	-	-	-
W 93	423901071342901	220	MORGAN C W	6-81 P	6	X	582	W	12	H	30	08-81	H	6	-	-	-	-
W 94	423831071341401	235	MORGAN C W	1-78 A	6	X	250	W	38	H			H	3	-	-	-	-
W 95	423910071341401	240	MORGAN C W	7-81 P	6	X	340	W	27	H	40	03-81	H	25	-	-	-	-
W 96	423910071342801	260	MORGAN C W	3-81 P	6	X	400	W	27	H	20	03-81	H	4	-	-	-	-
W 97	423904071342401	230	MORGAN C W	9-80 P	6	X	460	W	7	H	15	06-80	H	-	-	-	-	-
W 98	423901071340201	230	MORGAN C W	0-82 P	6	X	303	W	9	H	20	09-82	H	9	-	-	-	-
W 99	423822071341601	250	MORGAN C W	1-79 P	6	X	345	W	77	H			H	2	-	-	-	-
W 100	423821071341601	250	MORGAN C W	1-79 P	6	X	405	W	82	H			H	1	-	-	-	-
W 101	423754071325801	310	KETCHAM A W	1-83 P	6	X	460	W	20	H			H	3	-	-	-	-
W 102	423822071342001	250	HILL	7-79 A	6	X	500	W	25	H	30	02-79	H		-	-	-	-
W 103	423908071340201	230	MORGAN C W	4-81 P	6	X	400	W	6	H	5	05-81	H	1	-	-	-	-
										HARVARD								
W 106	423029071343601	280	NEWSHAM W	8-80 P	6	X	100	W	57	H			H	50	-	-	-	-
W 107	422854071350401	565	DIRUSSO DONALD	7-80 P	6	X	240	W	24	H	25	08-80	H	25	-	-	-	-
W 108	422956071342101	520	NESBEDA PETER	3-80 P	6	X	140	W	13	H	15	03-80	H	30	-	-	-	-
W 109	423138071324302	280	BENDOW BERNARD	1-80 P	6	X	180	W	38	H			H	60	-	-	-	-
W 110	422859071351001	565	NIGRA FRANK	7-80 P	6	X	480	W	5	H	3	03-80	H	4	-	-	-	-
W 111	423104071324801	570	DECK HOUSE	1-80 P	6	X	300	W	20	H			H	5	-	-	-	-
W 112	423137071325501	300	GOLD STEPHEN	0-82 P	6	X	125	W	8	H	12	03-82	H	-	-	-	-	-
W 113	423107071324601	550	ROSATO DAVID	1-83 A	6	X	300	W	40	H			H	3	-	-	-	-
W 114	422847071343001	385	SHIRING JAMES	6-77 P	6	X	260	W	19	H	6	05-77	H	5	-	-	-	-
W 115	423049071345702	280	JOHNSON JOHN	6-77 P	6	X	200	W	80	H	20	06-77	H	30	-	-	-	-
W 116	423141071342701	290	HIGGINS JEFF	1977 P	6	X	365	W	70	H	50	09-77	H	1	--	--	-	-
W 117	423156071341201	345	NELSON JAMES R	-78 P	6	X	365	W	118	H	40	01-78	H	4	--	--	-	-
W 118	423006071355501	370	DORWARD MR	-78 A	6	X	180	W	38	H	20	01-78	H	50	--	--	-	-
W 119	423147071333201	310	CROWLEY TOM	-78 P	6	X	60	W	4	H	20	01-78	H	30	--	--	-	-
W 120	422909071353301	380	VONLUESECKE PAU	-81 P	6	X	300	W	5	H	40	01-81	H	-	--	--	-	-
W 121	423034071344901	280	MARTINEAU DENNI	-82 P	6	X	225	W	40	H	10	01-82	H	-	--	--	-	-
W 122	423223071335501	305	NORTZ RICHARD	-83 P	6	X	290	W	135	H			H	4	--	--	-	-
W 123	422843071344601	410	BROGAN EUGENE	-79 P	6	X	180	W	28	H	15	12-79	H	20	--	--	-	-
W 124	422903071353601	390	QUINE WILLARD	-81 P	6	X	302	W	13	H	35	10-81	H	2	--	--	-	-
W 125	423104071315401	260	FINKEL STEVEN	-82 P	6	X	355	W	20	H	25	01-82	H	-	--	--	-	-
W 126	423244071340501	290	NELSON HAROLD	-80 P	6	X	500	W		H			H		--	--	-	-
W 127	422818071343301	450	GIBSON GORDON	-81 P	6	X	215	W	3	H	40	01-81	H	50	--	--	-	-
W 128	423106071330501	550	HOLMES STEVEN	-82 P	6	X	160	W	35	H	10	09-82	H	30	160	4	-	-
W 129	423138071324301	280	BENDOW BERNARD	-78 P	6	X	200	W	6	H	20	09-78	H	50	--	--	-	-
W 130	422711071333601	280	HUGHES J L	-80 P	6	X	265	W	62	H			H	5	--	--	-	-
										LUNENBURG								
W 138	423455071422001	375	CLARK HOWARD	-81 P	6	X	300	W	42	F			H	3	--	--	-	-
W 139	423641071461801	475	WOOD JOHN C	-81 P	6	X	75	W	15	H	10	10-81	H	30	--	--	-	-
W 141	423653071420001	375	PASSIOS DAVID	-77 P	6	X	275	W	20	H	10	06-77	H	3	--	--	-	-
W 145	423404071430901	370	DOUGLAS DONALD	-76 P	6	X	190	W	28	H	5	11-76	H	5	--	--	-	-
W 146	423332071421701	365	GEORGE STEPHEN	-76 P	6	X	250	W	23	H	15	12-76	H	2	--	--	-	-
W 147	423327071413301	300	PATRY RICHARD	-76 P	6	X	365	W	35	H	30	08-76	H	15	--	--	-	-
W 148	423251071411101	305	NORMANDIN ROBT	-77 P	6	X	340	W	100	H			H	1	--	--	-	-
W 150	423400071430001	380	WHITNEY PETER	-77 A	6	X	245	W	50	H	15	07-77	H	20	--	--	-	-
W 152	423451071412401	385	FOREST NORMAN	-80 A	6	X	140	W	20	H	12	12-80	H	4	--	--	-	-
W 153	423343071415301	350	KULJU C	-81 P	6	X	375	W	80	H	12	03-81	H	4	--	--	-	-
W 156	423705071420501	395	SEAVER ARTHUR	-83 P	6	X	325	W	8	F	18	04-83	H	-	--	--	-	-
W 157	423657071454001	605	LOLLI RALPH	-78 P	6	X	440	W	14	H	20	05-78	H	1	--	--	-	-
W 158	423349071424201	485	STILLMAN GLENN	-79 P	6	X	645	W	165	H	90	01-79	H	15	--	--	-	-
W 160	423738071461201	650	MAKI RALPH	-78 P	6	X	200	W	2	H			H	8	--	--	-	-
W 161	423430071413801	370	PELTULA MARTTI	-79 P	6	-	180	W	59	H	20	02-79	H	6	--	--	-	-

Table 1A. -- *Description of selected wells, test wells and borings* - (Continued)

[a dash indicates no data are available]

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE (FT)	OWNER OR USER	YEAR\ METHOD DRILLED	WELL: DIAMETER (IN.)	WELL: FINISH	WELL: DEPTH (FT)	WELL: USE	FEET TO BEDROCK	WATER BEARING MATERIAL	WATER: LEVEL (FT)	WATER: DATE MEASURED	WATER: USE	PUMPAGE: YIELD	PUMPAGE: DD	PUMPAGE: TIME	LOG	QW
								LUNENBURG - Continued										
W 162	423455071420701	340	BOUDREAU WILLIA	-78 A	6	X	220	W	22	H			H	4	--	--	-	-
W 166	423251071423701	350	HARRIS PAUL	-80 P	6	X	305	W	89	H			H	8	--	--	-	-
W 168	423353071413201	300	AHO RAYMOND	-78 P	6	-	-	W	20	H	50	01-78	H	-	--	--	-	-
W 169	423359071422701	335	LUNENBURG WATER	-77 C	48	P	46	W		R	16	10-77	P	225	7	--	D	-
W 170	423358071415901	350	LUNENBURG WATER	-75 C	8	P	40	T		G	5	06-75	U	140	3	--	D	-
W 171	423419071423501	320	LUNENBURG WATER	-84 B	8	P	34	W		R	2	02-84	H	-	--	--	D	-
								LANCASTER										
A 1	422643071393101	235	MASSACHUSETTS C	-84 B	8	-	-	U		S	3	08-84	U	-	--	--	D	-
A 2	423021071411701	340	US ARMY FT DEVE	-84 B	8	-	-	U		4	3	08-84		-	--	--	D	-
R 1	422838071432801	312	MDPW	-76 -		-	-	T		S	2	10-76	U	-	--	--	-	-
R 2	422840071432601	310	MDPW	-76 -		-	-	T		S		10-76	U	-	--	--	-	-
R 3	422839071432101	308	MDPW	-76 -		-	-	T		S	4	10-76	U	-	--	--	-	-
R 4	422847071432401	308	MDPW	-76 -		-	-	T		S			U	-	--	--	-	-
R 5	422849071432701	304	MDPW	-76 -		-	-	T		S	4	10-76	U	-	--	--	-	-
R 6	422854071432801	302	MDPW	-74 -		-	-	T		S	2	05-74	U	-	--	--	-	-
R 7	422902071432501	325	MDPW	-74 -		-	-	T		S	44	05-74	U	-	--	--	-	-
R 8	422921071430601	281	MDPW	-76 -		-	-	T		S	6	01-76	U	-	--	--	-	-
W 66	422935071430301	280	LANCASTER TOWN	-83 W	2	S	136	T		S	-3	04-83	U	25	--	--	D	-
W 67	422935071430302	280	LANCASTER TOWN	-83 W		-	135	T		S	-	09-83	U	15	--	--	D	-
W 68	422938071430501	280	LANCASTER TOWN	-83 W	2	S	107	T		S		04-83	U	43	--	--	D	-
W 69	422938071430502	280	LANCASTER TOWN	-83 W		S	107	T		S	-2	09-83	-	43	--	--	D	-
W 70	422932071425701	270	LANCASTER TOWN	-83 W	2	-	-	T		X			-	-	--	--	D	-
W 71	422938071431201	380	LANCASTER TOWN	-83 W	2	X	-	T		R	8	04-83	-	45	--	--	D	-
W 72	422946071430101	280	LANCASTER TOWN	-83 A	2	-	-	T		7P			-	3	--	--	D	-
W 73	422952071425901	275	LANCASTER TOWN	-83 W	2	-	-	T		6S	5	04-83	-	-	--	--	D	-
W 74	422944071425301	272	LANCASTER TOWN	-83 W	2	-	-	T		X	2	04-83	U	-	--	--	D	-
W 75	422936071431001	275	LANCASTER TOWN	-83 W	2	-	-	T		X	2	04-83	-	-	--	--	D	-
W 76	422927071425701	375	LANCASTER TOWN	-83 W	2	S	96	T		7P	-2	05-83	-	5	--	--	D	-
W 77	422926071425101	365	LANCASTER TOWN	-83 W	2	-	-	T		X		05-83	-	-	--	--	D	-
W 78	422910071431001	275	LANCASTER TOWN	-83 W	2	S	91	T		R	3	05-83	-	15	--	--	D	-
W 79	422942071421401	260	LANCASTER TOWN	-83 -	2	-	-	T		X			U	-	--	--	D	-
W 80	422942071421001	260	LANCASTER TOWN	-83 W	2	-	-	T		X			-	-	--	--	D	-
W 81	422938071421301	255	LANCASTER TOWN	-83 W	2	S	-	T		6R	5	07-83	-	20	--	--	D	-
W 82	422940071421901	255	LANCASTER	-83 W	2	-	-	T		6S			-	-	--	--	D	-
W 83	422938071421501	255	LANCASTER TOWN	-83 W	2	-	-	T		P			-	-	--	--	D	-
W 85	422846071424401	350	ROGERS DONALD	-77 P	6	X	300	W	4	H			H	-	--	--	-	-
W 88	422846071433901	325	DONELAN RICHARD	-84 B	8	P	16	O		S	11	08-84	U	-	--	--	D	-
								LEOMINSTER										
R 1	422928071433401	381	MDPW	-76 -		-	-	T		S	41	01-76	U	-	--	--	-	-
R 2	422931071433001	387	MDPW	-76 -		-	-	T		S			U	-	--	--	-	-
R 4	422950071434901	319	MDPW	-76 -		-	-	T		S			U	-	--	--	-	-
R 5	422949071432401	280	MDPW	-76 -		-	-	T		R	18	01-76	U	-	--	--	-	-
W 167	423104071460601	435	PRIDDY SKIP	-82 P	6	X	243	W	19	H	30	08-82	H	50	--	--	-	-
W 168	423015071485601	830	VAILLETTE MICHA	-75 P	6	X	200	W	35	H	6	12-75	H	6	--	--	-	-
W 169	423145071464401	510	MARSH ROLAND	-77 A	6	X	400	W	80	H	30	03-77	H	2	--	--	-	-
W 170	423027071485001	850	TREOTIN RICHARD	-77 A	6	X	300	W	7	H	30	08-77	H	3	--	--	-	-
W 172	423322071450101	410	BIGELOW CHARLES	-80 A	6	X	570	W	4	H	8	08-80	H	1	--	--	-	-
W 173	423013071463501	600	GUILMETTE JAMES	-78 P	6	X	140	W	8	H	30	11-78	H	50	--	--	-	-
W 174	422945071463801	625	DIVOLL EARL C	-79 P	6	X	315	W	9	H			H	10	--	--	-	-
								PEPPERELL										
W 52	424207071375901	222	PEPPERELL TOWN	-84 B	8	P	57	O		S	5	10-84	U	-	--	--	D	-
W 52	424207071375902	223	PEPPERELL TOWN	-84 B	8	P	30	O		S	5	10-84	U	-	--	--	D	-
W 52	424207071375903	222	PEPPERELL TOWN	-84 B	8	P	12	O		S	5	10-84	U	-	--	--	D	-
W 53	424212071375901	220	PEPPERELL TOWN	-84 B	8	P	57	O		S	3	12-84	U	-	--	--	D	-
W 53	424212071375902	220	PEPPERELL TOWN	-84 B	8	P	35	O		S	3	12-84	U	-	--	--	D	-
W 53	424212071375903	221	PEPPERELL TOWN	-84 B	8	P	12	O		S	3	12-84	U	-	--	--	D	-
W 54	424204071380001	226	PEPPERELL TOWN	-84 B	8	P	57	O		S	6	10-84	U	-	--	--	D	-
W 54	424204071380002	226	PEPPERELL TOWN	-84 B	8	P	35	O		S	6	10-84	U	-	--	--	D	-
W 54	424204071380003	226	PEPPERELL TOWN	-84 B	8	P	12	O		S	6	10-84	U	-	--	--	D	-
W 55	424208071380001	224	PEPPERELL TOWN	-84 B	8	P	54	O		S	6	10-84	U	-	--	--	D	-
W 55	424208071380002	222	PEPPERELL TOWN	-84 B	8	P	12	O		S	5	10-84	U	-	--	--	D	-
W 56	424208071375901	222	PEPPERELL TOWN	-84 V	1	P	4	O	-	---			U	-	--	--	-	-
W 59	424207071375802	226	PEPPERELL TOWN	-67 -	48	P	55	W		S		11-83	P	780	27	120	D	-
								SHIRLEY										
W 68	423325071372302	227	SHIRLEY WATER	-77 C	24	S	53	W		S	10	05-77	P	405	20	--	-	-
W 72	423430071400101	350	FOREST STEPHEN	-76 P	6	X	146	W	14	H			H	-	--	--	-	-
W 73	423556071380301	330	ADREIN DEAN	-81 P	6	X	182	W	31	H	20	10-81	H	3	--	--	-	-
W 74	423325071365601	210	RICHARDS MIDIE	-79 P	6	X	300	W	120	H			H	2	--	--	-	-
W 75	423624071383001	295	SCHULTZ J	-82 P	6	X	303	W	37	H	20	09-82	H	4	--	--	-	-
W 76	423611071380001	250	HOWLETT JAY	-82 A	6	X	230	W	50	F	15	03-82	H	5	--	--	-	-
W 77	423559071393701	325	GRAFTON JON	-81 A	6	X	405	W	12	F	10	11-81	H	2	--	--	-	-
W 78	423324071372302	228	SHIRLEY WATER	-84 B	8	P	45	O		S	11	01-85	U	-	--	--	D	-
W 78	423324071372302	228		-84 -		-	45	O		T	11	01-85	U	-	--	--	-	-
W 78	423324071372303	229	SHIRLEY WATER	-84 B	8	P	21	O		S	12	01-85	U	-	--	--	-	-

Table 1A. -- *Description of selected wells, test wells and borings* - (Continued)

[a dash indicates no data are available]

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE (FT)	OWNER OR USER	YEAR\ METHOD DRILLED	WELL DIAMETER (IN.)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD	PUMPAGE DD	PUMPAGE TIME	LOG	QW
								SHIRLEY - Continued										
W 79	423325071372201	221	SHIRLEY WATER	-84 B	8	P	41	O		S	4	01-85	U	-	--	--	D	-
W 79	423325071372202	220	SHIRLEY WATER	-84 B	8	P	24	O		S	3	01-85	U	-	--	--	-	-
W 79	423325071372203	30	SHIRLEY WATER	-84 B	8	P	10	O		S	3	01-85	U	-	--	--	-	-
W 80	423324071372701	221	SHIRLEY WATER	-84 W	3	P	41	O		S	3	01-85	U	-	--	--	D	-
W 80	423324071372702	221	SHIRLEY TOWN	-84 W	3	P	25	O		S	3	01-85	U	-	--	--	-	-
W 80	423324071372703	220	SHIRLEY WATER	-84 W	3	P	10	O		S	3	01-85	U	-	--	--	-	-
W 81	423325071372204	219	SHIRLEY WATER	-84 W	3	P	38	O		S	2	12-84	U	-	--	--	-	-
W 81	423325071372205	219	SHIRLEY WATER	-84 W	3	P	8	O		S	2	12-84	U	-	--	--	-	-
W 82	423324071371901	218	SHIRLEY WATER	-84 W	3	P	38	O		S	3	11-84	U	-	--	--	D	-
W 82	423324071371902	217	SHIRLEY WATER	-84 W	3	P	23	O		S	2	11-84	U	-	--	--	-	-
W 82	423324071371903	217	SHIRLEY WATER	-84 W	3	P	8	O		S	2	11-84	U	-	--	--	-	-
W 83	423325071372401	219	SHIRLEY WATER	-84 V	1	P	3	O		Q				-	--	--	-	-
W 84	423336071373201	260	SHIRLEY WATER	-82 W	3	P	34	O		R	1	08-82	U	-	--	--	D	-
W 85	423335071373301	260	SHIRLEY WATER	-82 W	3	P	34	T		R	2	08-82	U	-	--	--	D	-
W 86	423330071373201	260	SHIRLEY WATER	-82 W	3	P	28	O		R	2	08-82	U	-	--	--	D	-
W 87	423332071373501	260	SHIRLEY WATER	-82 W	3	P	24	O		R	4	08-82	U	-	--	--	D	-
								STERLING										
R 14	422432071474101	489	MDPW	-76 -		-	-	T		75			U	-	--	--	-	-
R 15	422443071474101	447	MDPW	-76 -		-	-	T		R			U	-	--	--	-	-
R 16	422512071472501	422	MDPW	-76 -		-	-	T		S	12	12-76	U	-	--	--	-	-
R 17	422718071445401	467	MDPW	-76 -		-	-	T	3	O				-	--	--	-	--
R 18	422720071445201	455	MDPW	-76 -		-	-	T		R			U	-	--	--	-	-
R 19	422726071445101	463	MDPW	-76 -		-	-	T		R			U	-	--	--	-	-
R 21	422744071444601	421	MDPW	-76 -		-	-	T		S	1	11-76	U	-	--	--	-	-
R 22	422737071443201	409	MDPW	-76 -		-	-	T		S			U	-	--	--	-	-
R 23	422743071442101	411	MDPW	-76 -		-	-	T		S	39	11-76	U	-	--	--	-	-
R 24	422744071441801	417	MDPW	-76 -		-	-	T		S	42	11-76	U	-	--	--	-	-
R 26	422742071441801	414	MDPW	-76 -		-	-	T		S	40	11-76	U	-	--	--	-	-
R 27	422743071441601	381	MDPW	-76 -		-	-	T		S	16	11-76	U	-	--	--	-	-
R 28	422746071441201	452	MDPW	-76 -		-	-	T	10	H			U	-	--	--	-	-
R 29	422748071440901	477	MDPW	-76 -		-	-	T	3	H			U	-	--	--	-	-
R 30	422748071441001	453	MDPW	-76 -		-	-	T	39	S	27	11-76	U	-	--	--	-	-
R 31	422748071441101	451	MDPW	-76 -		-	-	T		S	40	11-76	U	-	--	--	-	-
R 31	422748071441101	451		-76 -		-	-	T	43	-	40	11-76		-	--	--	-	--
R 32	422754071435001	415	MDPW	-76 -		-	-	T	2	-				-	--	--	-	--
R 33	422804071435101	360	MDPW	-76 -		-	-	T		S			U	-	--	--	-	-
R 34	422811071434301	357	MDPW	-76 -		-	-	T		S			U	-	--	--	-	-
R 35	422816071433901	342	MDPW	-76 -		-	-	T		S			U	-	--	--	-	-
R 36	422819071433401	332	MDPW	-76 -		-	-	T		R	1	11-76	U	-	--	--	-	-
R 38	422822071433301	324	MDPW	-76 -		-	-	T		S	3	11-76	U	-	--	--	-	-
R 39	422824071433301	323	MDPW	-76 -		-	-	T		S	3	11-76	U	-	--	--	-	-
R 40	422827071433001	317	MDPW	-76 -		-	-	T		S		11-76	U	-	--	--	-	-
W 110	422631071484602	450	STERLING TOWN	-73 C	30	P	76	W		G	5	06-73	P	420	10	--	D	-
W 125	422429071441501	460	MUSSELLO RICHAR	-77 P	6	X	525	W	5	H	40	01-77	H	1	--	--	-	-
W 126	422456071450201	450	O'TOOLE RICHARD	-79 P	6	X	305	W	51	H			-	16	--	--	-	-
W 127	422632071470301	725	MEOLA ANTHONY	-82 A	6	X	460	W	50	H	54	07-82	H	10	--	--	-	-
W 128	422409071472301	430	LUKSHA JOESEPH	-79 P	6	X	575	W	12	H	40	12-79	H	-	--	--	-	-
W 129	422806071440301	400	FORD JOHN M	-78 A	6	X	300	W	109	H	10	01-78	H	4	--	--	-	-
W 131	422453071443301	450	SENGE PETER M	-79 A	6	X	500	W	42	H	20	09-79	H	1	--	--	-	-
W 132	422817071450601	480	PRESCOTT MANSON	-78 P	6	X	200	W	19	H	45	09-78	H	3	--	--	-	-
W 133	422527071480201	420	JOSTI LAWRENCE	-78 P	6	P	102	W	102	S	10	04-78	H	12	--	--	-	-
W 134	422526071480501	420	LAPRADE DAVID	-77 P	6	X	205	W	118	H			H	2	--	--	-	-
W 135	422632071452801	610	HOGLUND CHARLES	-77 P	6	X	185	W	8	H	60	12-77	H	-	--	--	-	-
W 136	422835071465501	590	CAISSE BARRY L	-76 P	6	X	275	W	38	H	15	04-76	H	16	--	--	-	-
W 137	422658071451301	475	LANCASTER STERL	-78 P	6	X	185	W	35	H	30	01-78	H	15	--	--	-	-
W 138	422635071465801	740	PICHIERRI RON	-77 P	6	X	140	W	32	H	30	04-77	H	15	--	--	-	-
W 139	422424071461801	440	BLANCHFLOWER RI	-77 P	6	X	200	W	19	H	15	07-77	H	-	--	--	-	-
W 140	422436071444201	450	BAUMAN R	-78 P	6	X	600	W	45	H			H	5	--	--	-	-
W 141	422413071444301	500	SMITH TED H	-80 P	6	X	440	W	96	H	15	10-80	H	2	--	--	-	-
W 141	422822071440101	350	STERLING TOWN	-82 W	3	P	78	T		R		09-82	U	12	--	--	D	-
W 143	422827071434902	330	STERLING TOWN	-82 W	3	P	70	T		G	2	09-82	U	60	--	--	D	-
W 144	422827071434901	330	STERLING TOWN	-82 W	3	P	70	T		R	2	09-82	U	60	--	--	D	-
W 145	422828071435601	350	STERLING TOWN	-82 W	3	P	56	T		R	18	09-82	U	15	--	--	D	-
W 146	422756071442901	385	STERLING TOWN	-82 P	3	-	-	T		75			U	-	--	--	D	-
W 147	422756071442801	385	STERLING TOWN	-82 P	3	-	-	T		75			U	-	--	--	D	-
W 149	422804071440801	360	SCHREINER CURTI	-84 B	8	P	13	O		S	9	08-84	U	-	--	--	D	-
W 150	422750071442501	380	HAYES DONALD	-84 B	8	P	12	O		S	10	08-84	U	-	--	--	D	-
W 151	422521071480301	420	CUTLER ROBERT	-84 B	8	P	12	O		S	8	10-84	U	-	--	--	D	-
W 152	422815071435201	345	STERLING TOWN	-84 W	3	-	39	T		R	2	09-84	U	6	2	--	D	-
W 153	422812071440001	350	STERLING TOWN	-84 W	3	P	74	T		R	4	09-84	U	70	--	--	D	-
W 154	422810071440501	360	STERLING TOWN	-84 W	3	P	60	T		R	5	09-84	U	30	--	--	D	-
W 155	422448071472401	420	STERLING TOWN	-84 W	3	-	107	U		R	19	09-84	U	-	--	--	D	-
W 156	422447071472101	440	STERLING TOWN	-84 W	3	P	90	U		R	13	09-84	U	-	--	---	D	-

Table 1A. -- *Description of selected wells, test wells and borings* - (Continued)

[a dash indicates no data are available]

LOCAL WELL NUMBER	LATITUDE-LONGITUDE	ALTITUDE (FT)	OWNER OR USER	YEAR\ METHOD DRILLED	WELL DIAMETER (IN.)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD	PUMPAGE DD	PUMPAGE TIME	LOG	QW
							TOWNSEND											
A 1	423922071420701	290	MASSACHUSETTS C	-84 B	8	-	-	T		S	23	08-84	U	-	--	--	D	-
A 2	424002071453901	355	MASSACHUSETTS C	-84 B	8	-	-	U		S	10	08-84	U	-	--	--	D	-
W 78	423715071401501	420	MCFAGUE WARREN	-77 P	6	X	500	W	3	H	23	11-77	H	1	--	--	-	-
W 79	423926071460301	510	GILMAN GLORIA	-81 A	6	X	300	W	46	H	50	06-81	H	6	--	--	-	-
W 80	423813071444801	640	JOHNSON STEWART	-81 A	6	X	255	W	37	H	15	12-81	H	-	--	--	-	-
W 81	423925071445301	560	PELOQUIN LOUIS	-82 A	6	X	260	W	72	H	50	04-82	H	20	--	--	-	-
W 82	424158071450601	370	DONAHUE DANIEL	-77 P	6	X	525	W	22	H	40	10-77	H	1	--	--	-	-
W 83	423851071430201	410	SAWYER KEVIN W	-77 A	6	X	375	W	4	H	10	05-77	H		--	--	-	-
W 84	424055071433901	330	DUDLEY SOPHIE	-81 A	6	X	260	W	96	H	50	01-81	H	5	--	--	-	-
W 85	423907071400201	290	MOULTON JOHN	-82 B	3	P	43	W		S	33	11-82	H	-	--	--	-	-
W 86	423731071405301	410	BOYES CHARLES	-77 P	6	X	525	W	2	H	30	10-77	H	10	--	--	-	-
W 87	424138071402801	450	BAGLEY JOHN	-78 P	6	X	160	W	17	H	30	10-78	H	20	--	--	-	-
W 88	423919071395301	295	FLOOD MILTON E	-81 A	6	X	220	W	40	H			H	20	--	--	-	-
W 89	423921071394901	290	CHARRETTE ROBER	-81 A	6	X	265	W	24	H			H	50	--	--	-	-
W 91	424115071403701	520	SPARKS ERNEST	-76 A	6	X	350	W	49	H	10	08-76	H	-	--	--	-	-
W 92	424146071454801	360	ROBERTS MICHAEL	-81 A	6	X	202	W	30	H	15	10-81	H	5	--	--	-	-
W 93	423933071423401	280	TOWNSEND TOWN	-78 W	3	-	45	T		S	14	03-78	U	55	3	--	D	-
W 94	423938071422101	290	TOWNSEND TOWN	-78 W	3	-	-	T		6S			U	-	--	--	D	-
W 96	424025071414401	300	TOWNSEND TOWN	-78 W	3	P	42	T		S	9	03-78	U	60	1	--	D	-
W 96	424025071414402	300	TOWNSEND TOWN	-78 W	9	P	42	T		S	11	10-78	U	346	8	--	D	-
W 96	424025071414403	310	TOWNSEND TOWN	-80 C	48	P	43	W		R	12	12-80	H	305	9	--	D	-
W 97	424029071414501	300	TOWNSEND TOWN	-78 W	3	P	36	O		R			U	-	--	--	U	-
W 98	424022071414901	310	TOWNSEND TOWN	-78 W	3	P	30	O		S			U	-	--	--	D	-
W 99	423826071401101	260	TOWNSEND TOWN	-78 W	3	-	78	T		S	4	03-78	U	60	1	--	D	-
W 99	423826071401102	260	TOWNSEND TOWN	-78 W	9	P	80	T		S	7	03-78	U	-	--	--	D	-
W 100	423912071404601	270	TOWNSEND TOWN	-78 W	3	-	-	T		6S	7	04-78	U	-	--	--	D	-
W 101	424027071414201	305	TOWNSEND TOWN	-78 W	3	P	42	T		R	10	04-78	U	-	--	--	D	-
W 102	424025071413901	300	TOWNSEND TOWN	-78 W	3	P	30	T		R	7	04-78	U	-	--	--	D	-
W 103	423916071405601	275	TOWNSEND TOWN	-78 W	3	-	-	T		6R	4	04-78	U	-	--	--	D	-
W 104	423958071414801	310	TOWNSEND TOWN	-78 W	3	-	-	T		S			U	-	--	--	D	-
W 105	423831071400901	265	TOWNSEND TOWN	-78 W	3	P	96	T		S	12	05-78	U	-	--	--	D	-
W 106	423837071400801	280	TOWNSEND TOWN	-78 W	3	P	104	T		S	8	06-78	U	-	--	--	D	-
W 107	423842071405001	270	HICKS R.M.	-79 C	36	P	61	W		R	4	11-79	P	703	19	--	D	-

Table 2.--Logs of selected wells and borings

(Depths are given in feet below land surface)

	Depth	
ASHBURNHAM X5.		
Fine sand, little clay and fine gravel	0	- 10
ASHBURNHAM X6.		
Loamy topsoil	0	- 1
Fine sand, some coarse gravel, and boulders	1	- 10
ASHBURNHAM X7.		
Medium sand and some medium gravel	0	- 10
ASHBURNHAM X8.		
Sand and gravel and organic silt-fill	0	- 6
Medium coarse sand and little medium gravel	6	- 10
ASHBURNHAM X9.		
Loamy topsoil	0	- 1.5
Fine to coarse sand and some medium coarse gravel	1.5	- 7.5
Refusal		at 7.5
ASHBURNHAM X10.		
Fine sand, little fine gravel and little clay	0	- 10
ASHBURNHAM X11.		
Fine sand, some silt and some medium gravel	0	- 10
ASHBURNHAM X12.		
Fine sand and little medium gravel	0	- 10
ASHBURNHAM X13.		
Medium sand and some coarse gravel	0	- 4
Fine to medium sand and some coarse gravel	4	- 10
ASHBURNHAM X14.		
Loamy topsoil	0	- 2
Fine sand, some coarse gravel and boulders	2	- 10
ASHBURNHAM X15.		
Fine to medium sand and some medium gravel	0	- 4
Fine sand and some medium gravel	4	- 8
Refusal		at 8
ASHBURNHAM X16.		
Fine to coarse sand, some fine to coarse gravel and mica	0	- 5
Fine to coarse sand and little fine gravel	5	- 8.5
Refusal		at 8.5
ASHBURNHAM X17.		
Fine sand and some coarse gravel	0	- 8
AYER B1.		
Sand and gravel, loamy underfill	0	- 2.5
Sand and gravel, hard, sharp	2.5	- 4.2
Sand, sharp yellow	4.2	- 13
Fine sand, yellow	13	- 19.3
Refusal		at19.3
AYER B2.		
Loam, sand and gravel fill	0	- 8.2
Medium sand, yellow	8.2	- 39.7
Fine sand and gravel	39.7	- 42
Refusal		at 42
AYER B3.		
Loam, sand and gravel fill	0	- 4.5
Coarse sand, firm, yellow, little gravel	4.5	- 12.5
Fine sand, firm, yellow	12.5	- 19.5
Sand, sharp firm, yellow	19.5	- 36.5
Refusal		at 36.5
AYER B4.		
Mud	0	- 5
Coarse sand and gravel, compact	5	- 6
Fine sand	6	- 46
Sand and gravel, compact	46	- 48.5
Refusal		at 48.5

	Depth	
AYER W1.		
Sand and gravel	0	- 32.5
Sand and little gravel	32.5	- 40.7
Ledge		at 40.7
AYER W2.		
Medium sand and gravel	0	- 11.6
Sand and gravel	11.6	- 32
Gravel, trace of clay	32	- 36.9
Gravel	36.9	- 62.4
AYER W3.		
Sand	0	- 13
Hardpan and boulders	13	- 21
Medium sand and gravel, sharp	21	- 29
Refusal		at 29
AYER W8.		
Medium to fine sand and gravel, sharp	0	- 54
Medium sand and gravel	54	- 60
AYER W12.		
Fine, medium and coarse sand, brown	0	- 13
Fine, medium and coarse sand and gravel, trace of clay, drove hard	13	- 24
Refusal		at 24
AYER W13.		
Fine, medium and coarse sand, some gravel	0	- 8
Fine sand, brown	8	- 36
Refusal		at 36
AYER W20.		
Sand	0	- 10
Very fine sand and clay	10	- 22
Hardpan	22	- 25
Ledge	25	- 28
AYER W21.		
Fill	0	- 5
Fine sand, brown, scattered gravel	5	- 16
Refusal		at 16
AYER W25.		
Gravel	0	- 18
Medium sand	18	- 29
Fine sand	29	- 49
Sand and gravel	49	- 58
AYER W26.		
Gravel	0	- 12
Medium sand	12	- 17
Fine sand	17	- 68
AYER W27.		
Gravel	0	- 17
Sand and gravel	17	- 22
Medium sand	22	- 43
Sand, little gravel	43	- 55
AYER W28.		
Gravel	0	- 28
Ledge		at 28
AYER W39.		
Fine sand, gray, some gravel and clay	0	- 24
Medium sand, brown, and sharp gravel	24	- 29
Medium sand and gravel, sharp, broken, and clay	29	- 36
Fine sand, clay, sharp gravel	36	- 44
Refusal		at 44
AYER W41.		
Topsoil	0	- 2
Sand and gravel, gray	2	- 15
Coarse sand, gray, some gravel	15	- 21
Sand and gravel, brown	21	- 31
Sand and gravel	31	- 48
Sand and gravel, gray	48	- 53
Gravel, sharp, and sand and clay	53	- 58

	Depth	
AYER W43.		
Silt, brown	0	- 10
Fine to coarse sand, brown, and large gravel	10	- 20
Medium to coarse sand and gravel, gray brown	20	- 30
Fine to coarse sand and gravel, gray brown	30	- 40
Medium to coarse sand and gravel, gray brown	40	- 53
Fine to coarse sand, gray,and large gravel, brown	53	- 60
Fine to coarse sand, gray, and large broken gravel	60	- 73
Fine to coarse sand, gray brown, and gravel	73	- 83
Medium sand and gravel, gray brown	83	- 93
Fine sand, tan, and sharp gravel and clay	93	-108
Refusal		at 108
BOLTON B1.		
Sand and gravel, loose	0	- 7
Coarse sand and gravel	7	- 12
Fine sand and clay, soft blue	12	- 57
Sand, sharp	57	- 65
Fine sand, hard compact	65	- 70
BOLTON W43.		
Loam and sand, brown	0	- 3
Sand and small gravel, brown	3	- 10
Sand, silty, gray	10	- 16
Clay, soft, gray	16	- 23
Clay, soft, brown	23	- 30
Clay, soft, gray	30	- 50
Clay, soft, gray, and stones	50	- 65
Sand, silty, dark brown, and small gravel, mixed	65	- 88
Fine sand and clay, dark brown	88	- 95
Fine to medium sand, dark brown, and traces of clay	95	-126
Refusal		at 126
BOLTON W44.		
Loam	0	- 2
Fine sand and sharp gravel	2	- 15
Clay, soft yellow with streaks of fine sand	15	- 60
Fine sand and clay, some gravel	60	- 68
Hardpan	68	- 70
Refusal		at 70
BOLTON W60.		
Coarse gravel	0	- 10
Medium gravel	10	- 20
Medium gravel, light, dry	20	- 90
Hardpan and gravel	90	-100
Coarse gravel	100	-128
Rock		at 128
BOLTON W65.		
Sand and clay	0	- 6
Sand	6	- 25
Fine sand and clay	25	- 42
BOLTON W111.		
Sandy clay	0	- 15
Very fine sand and clay	15	- 55
Fine sand	55	- 65
Medium to coarse sand	65	- 70
BOLTON W115.		
Medium to coarse sand	0	- 16
Medium sand, brown	16	- 32
Fine sand	32	- 45
Fine to medium sand	45	- 60
Medium to coarse sand	60	- 67
Fine to medium sand	67	- 75
Medium and coarse gravel	75	- 92
Shale	92	- 93
Refusal		at 93
BOLTON W118.		
Medium to coarse sand	0	- 8
Fine to medium sand	8	- 40
Medium to coarse gravel	40	- 48
Medium sand	48	- 56
Medium to coarse gravel	56	-100
Coarse sand and fine gravel	100	-115
Medium to coarse sand, packed	115	-127
Refusal		at 127

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth			Depth			Depth	
BOLTON W119.			CLINTON W18.			FITCHBURG W2.		
Medium to coarse gravel	0	- 15	Clay, gray	0	- 20	Gravel	0	- 35
Fine sand, brown	15	- 63	Coarse gravel, gray	20	- 35	Sand and clay	35	- 37
Clay	63	- 70	Medium and coarse sand, gray	35	- 45	Gravel	37	- 45
Clay and gravel	70	- 75	Medium gravel, brown	45	- 55			
Clay	75	- 87	Coarse gravel, gray	55	- 64	FITCHBURG W3.		
Refusal		at 87	Medium sand, gray	64	- 66	Gravel and boulders	0	- 12
BOLTON W120.			CLINTON W19.			FITCHBURG W4.		
Fine sand, yellow, with streaks of clay	0	- 15	Medium and fine sand, brown	0	- 28	Gravel and boulders	0	- 5
Fine sand, yellow	15	- 30	Fine and medium gravel, gray	28	- 40			
Medium sand, gray, and gravel	30	- 42	Peat, brown	40	- 46	FITCHBURG W5.		
Medium sand, gray, and large gravel	42	- 53	Coarse gravel, gray	46	- 65	Topsoil	0	- 3
Sand, compact, gray, and gravel, and some clay	53	- 67	Coarse gravel, brown	65	- 84	Sand and gravel	3	- 30
Fine to medium sand, traces of clay	67	-110	Coarse gravel, gray, and medium sand	84	-100	Hardpan	30	- 34
Fine to medium sand, gray	110	-125	Coarse gravel, gray	100	-123	Refusal		at 34
Refusal		at 125	Ledge		at 123	FITCHBURG W6.		
BOLTON W121.			CLINTON W20.			Fine sand	0	- 10
Fine sand	0	- 10	Loam	0	- 2	Clay, blue	10	- 12
Medium to coarse gravel	10	- 21	Fine sand, brown, some gravel	2	- 9	Hardpan	12	- 13
Clay	21	- 48	Fine sand, gray, and clay	9	- 53	FITCHBURG W7.		
Medium to coarse gravel	48	-103	Fine sand, gray, and gravel	53	- 58	Fine sand	0	- 10
Refusal		at 103	Fine to medium sand and gravel, gray and brown	58	- 69	Clay, blue	10	- 12
CLINTON B1.			Fine sand, gray, and sharp gravel	69	- 77	Hardpan	12	- 14
Mud, soft, black	0	- 3	Fine sand and sharp gravel, trace of clay, compact	77	- 83	Refusal		at 14
Coarse sand, loose	3	- 15.5	Refusal		at 83	FITCHBURG W8.		
Coarse sand, coarse gravel, and little clay, hard	15.5	- 21	CLINTON W21.			Silt	0	- 19
Refusal		at 21	Ash fill	0	- 2	FITCHBURG W9.		
CLINTON B2.			Fine sand, yellow	2	- 15	Sand, dirty, fill	0	- 5
Sand and gravel fill	0	- 32	Sand and clay, yellow	15	- 47	Bog peat	5	- 10
Very fine sand with some clay	32	- 71	Clay, silty, yellow	47	-116	Coarse sand, dirty	10	- 15
Sand and gravel, compact	71	- 80	Clay, silty, gray	116	-143	Fine sand	15	- 20
CLINTON W5.			Fine sand, gray, small sharp gravel	143	-146	Fine sand and clay	20	- 35
Gravel fill	0	- 5	Clay, firm, sandy, gray	146	-185	Coarse sand, water bearing	35	- 40
Medium coarse gravel	5	- 19	Refusal		at 185	Coarse gravel, water bearing	40	- 60
Clay and sand	19	- 49	CLINTON W22.			Hardpan	60	- 66.5
Gravel, sharp, packed	49	- 54	Loam	0	- 2	Ledge		at 66.5
Refusal		at 54	Fine sand, light yellow, and sharp gravel	2	- 18	FITCHBURG W10.		
CLINTON W6.			Sand, silty, yellow, and small sharp gravel	18	- 27	Gravel	0	- 40
Sand and gravel	0	- 10	Clay, sandy, hard, yellow	27	- 72	Gravel and clay	40	- 60
Shale and gravel	10	- 21	Sand, silty gray, with streaks of hard clay	72	-146	FITCHBURG W11.		
Refusal		at 21	Shale	146	-148	Peat, black	0	- 3
CLINTON W9.			CLINTON W23.			Hardpan	3	- 8
Fill	0	- 8	Loam	0	- 2	Gravel, water bearing	8	- 50
Sand and sharp gravel, compact	8	- 23	Fine sand, yellow	2	- 9	Hardpan	50	- 58.5
Fine sand and gravel, gray	23	- 32	Sand and gravel, medium compact	9	- 21	Ledge		at 58.5
Fine sand and clay, brown	32	- 39	Fine to medium sand and gravel, dark brown	21	- 49	FITCHBURG W12.		
Fine sand and gravel, gray	39	- 44	Fine sand and gravel, dark brown	49	- 54	Peat, black	0	- 5
Fine sand and clay	44	- 55	Refusal		at 54	Clay	5	- 15
Refusal		at 55	CLINTON X2.			Sand, water bearing	15	- 45
CLINTON W11.			Loam, some sand	0	- 1	Gravel, water bearing	45	- 60
Sand, clayey, yellow	0	- 6	Sand, clay, and silt	1	- 9	Hardpan	60	- 66
Peat	6	- 7	Gravel, heavy, gray brown	9	- 11	Ledge		at 66
Clay, gray, and gravel, very hard, packed	7	- 18	Gravel, heavy, sharp, brown	11	- 15	FITCHBURG W13.		
Gravel, water bearing	18	- 20	Gravel, brown, and clay	15	- 16	Sand	0	- 40
Coarse gravel, clean, water bearing	20	- 34	Clay and silt	16	- 24	FITCHBURG W14.		
Sand, very silty	34	- 38	Clay and silt (sample)		at 30	Sand	0	- 18
CLINTON W12.			Clay and silt (sample)		at 55	Clay and sand	18	- 26
Gravel and till	0	- 10	Refusal		at 55	Sand and gravel	26	- 32
Clay and gravel	10	- 20	CLINTON X4.			Fine sand	32	- 40
Gravel, dirty	20	- 26	Loam and clay	0	- 2	FITCHBURG W16.		
Coarse gravel	26	- 40	Sand and clay	2	- 7	Loam	0	- 2
Rock		at 40	Sand, gravel, and clay, hard packed	7	- 12	Sand and gravel, compact	2	- 14
CLINTON W13.			Hardpan	12	- 16	Fine to medium sand, brown, some gravel	14	- 45
Topsoil, loam	0	- 10	Refusal		at 16	Medium sand and gravel, brown	45	- 48
Sand and clay, silty, brown	10	- 65				FITCHBURG W19.		
Clay, gray	65	- 72				75 gallons per minute		at 25
Hardpan	72	- 84	FITCHBURG B1.			135 gallons per minute		at 43
Medium gravel	84	- 97	Silty sand, gravel and stones, fill	0	- 3	Ledge		at 45
Refusal		at 97	Coarse sand, gravel and stones, hard	3	- 13.5	200 gallons per minute		at 50
CLINTON W14.			Refusal on ledge or boulders		at 13.5	FITCHBURG W22.		
Topsoil and sand	0	- 10				Sand and gravel	0	- 14
Clay, gray	10	- 30	FITCHBURG B2.			Hardpan	14	- 38
Clay and sand	30	- 38	Sand and gravel, some clay, compact	0	- 34	Refusal		at 38
Medium sand	38	- 47				FITCHBURG W23.		
Medium and coarse gravel	47	- 54	FITCHBURG W1.			Topsoil	0	- 5
			Gravel and boulders	0	- 21	Fine sand	5	- 10
						Sand and rocks	10	- 20
						Big rocks	20	- 30
						Fine sand and gravel	30	- 40
						Sand	40	- 50
						Sand and gravel	50	- 55
						Gravel and rocks	55	- 61

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth	
FITCHBURG W32.		
Medium sand and gravel	0	- 20
Medium sand, brown	20	- 29
Coarse and medium sand, brown	29	- 46
Silt	46	- 48
FITCHBURG W33.		
Hot top	0	- 3
Gravel	3	- 10
Coarse sand and gravel, brown	10	- 17
Sand and clay, silty, gray	17	- 24
Coarse gravel, brown	24	- 34
Coarse gravel, hard packed, gray	34	- 36
Hardpan		at 36
FITCHBURG W38.		
Sand and gravel	0	- 20
Fine sand and medium gravel, brown	20	- 27
FITCHBURG W39.		
Fill	0	- 5
Coarse stones and fill	5	- 10
Coarse gravel, gray	10	- 25
Coarse gravel, brown	25	- 35
Coarse gravel and sand	35	- 44
Fine sand	44	- 44.5
Refusal		at 44.5
FITCHBURG W41.		
Fill	0	- 15
Gravel, hard-packed	15	- 28
Hardpan	28	- 49
Ledge	49	- 55
FITCHBURG W42.		
Fill	0	- 12
Gravel and boulders, hard-packed	12	- 40
Clay and gravel, hard	40	- 71
Ledge		at 71
FITCHBURG W45.		
8 inch Test Well		
Sand and gravel, brown	0	- 16
Silty sand, gray	16	- 47
Medium gravel, brown	47	- 60
Coarse gravel, brown	60	- 70
Hardpan	70	- 72
Ledge		at 72
FITCHBURG W46.		
Gravel, hard, tight	0	- 10
Medium gravel	10	- 41
Coarse gravel	41	- 60
Medium gravel	60	- 63
FITCHBURG W48.		
Coarse sand and clay	0	- 10
Coarse sand, clean	10	- 20
Very coarse gravel	20	- 40
Coarse sand and gravel	40	- 55
Hardpan	55	- 62
Ledge	62	- 65
FITCHBURG W65.		
Sand, dirty	0	- 45
FITCHBURG X1.		
Peat, trace of fine sand	0	- 4
Organic silt	4	- 5
Coarse sand, gravel and stones, firm	5	- 11
Fine sand, little inorganic silt, firm	11	- 25
Fine sand, some gravel, little inorganic silt, firm	25	- 27
FITCHBURG X4.		
Paper and organic silt fill, very soft	0	- 2
Organic silty fine sand, fill	2	- 3
Fine sand, some gravel, trace of inorganic silt, firm	3	- 8
Fine sand, some gravel, hard	8	- 10
Fine sand, some gravel, very hard	10	- 14
Refusal		at 14
FITCHBURG X5.		
Sand, loose, some gravel fill	0	- 3
Sand, very hard, gravel fill	3	- 7
Sand and gravel, firm, fill	7	- 11
Medium sand, gravel and boulders, hard	11	- 16
Medium sand, gravel and boulders, very hard	16	- 21
FITCHBURG X6.		
Sand, loose, some gravel fill	0	- 3.5
Sand, firm, little gravel fill	3.5	- 7
Sand, loose, trace of gravel, cinders (fill)	7	- 10
Sand, firm, some gravel fill	10	- 13
Sand, very hard, and gravel fill	13	- 18.5
Refusal		at 18.5
FITCHBURG X7.		
Loamy sand, loose, some gravel	0	- 3
Sand, firm, some gravel fill	3	- 7
Sand, firm, gravel fill	7	- 10.5
Fine sand, very hard and gray, and boulders	10.5	- 12.5
Refusal		at 12.5
FITCHBURG X8.		
Sand, loose, some gravel fill	0	- 3
Coarse sand and gravel, firm	3	- 7
Medium sand and gravel, firm	7	- 12
Coarse sand and gravel, firm	12	- 16
FITCHBURG X9.		
Sand and gravel fill	0	- 3
Coarse sand and gravel, loose	3	- 5
Coarse sand and gravel, firm	5	- 9
FITCHBURG X10.		
Loamy sand, loose	0	- 2
Fine sand, loose	2	- 4
Fine sand, some gravel, firm	4	- 6
Loamy sand, firm	6	- 7.5
Medium sand, some gravel, firm	7.5	- 9
FITCHBURG X11.		
Loamy sand, trace of gravel, loose	0	- 2
Medium sand, some gravel, firm	2	- 7
Fine sand, some gravel, very hard	7	- 10
Refusal		at 10
GROTON W65.		
Fine and medium sand with traces of clay, brown, pumped good	0	- 22
Fine to medium sand, brown, getting finer	22	- 27
Fine sand and gravel	27	- 32
Fine sand with dark, sharp gravel	32	- 37
Refusal		at 38
GROTON W66.		
Fine to medium sand and gravel, specks of clay, pumped good	0	- 21
Broken gravel, trace of fine sand and clay, pumped very little	21	- 26
Refusal		at 29.5
GROTON W67.		
Peat	0	- 4
Fine to medium sand and gravel, brown, pumped fair	4	- 21
Fine sand, brown, with broken gravel and clay, tight	21	- 26
Refusal		at 26
GROTON W68.		
Fine to medium sand and gravel, brown, finer with depth	0	- 16
Fine sand, brown, and clay	16	- 56
Fine sand and clay, gray	56	- 66
GROTON W70.		
Peat	0	- 2
Fine sand, brown, with dark, broken gravel and clay, tight	2	- 25.5
Bouncing		at 25.5
GROTON W71.		
Peat	0	- 2
Fine sand, brown, changing to gray, with broken gravel and clay	2	- 18
GROTON W72.		
Fine sand, brown, changing to gray, with sharp gravel and clay, tight	0	- 18
GROTON W73.		
Fine to medium sand and gravel, brown, some clay (pumped tight)	0	- 18
Fine sand and clay, brown	18	- 33
Fine sand, gray, and clay	33	- 52
Gravel (pumped good)	52	- 53.75
GROTON W74.		
Loam	0	- 2
Fine sand and gravel	2	- 30
Fine sand, brown, with broken gravel and clay	30	- 35
Refusal		at 35
(Sand too fine at 30 ft to pump through #18 screen)		
GROTON W75.		
Sand, gray	0	- 27
Sand, gray, some gravel	27	- 32
Fine sand, gray	32	- 42
GROTON W82.		
Sand and gravel, fine-medium and coarse	0	- 20
Sand, very fine, brown	20	- 47.85
Sand, very fine, silty, and clay, gray	47.85	- 73.85
Gravel, sharp	73.85	- 84
Refusal		at 84
GROTON W83.		
Sand, fine, medium, and coarse brown	0	- 22
Sand, fine, trace of sharp gravel and silt	22	- 60
Sand, very fine, little clay	60	-100
Sand, some coarse sand, and sharp gravel	100	-113
Refusal		at 113
GROTON W84.		
Sand, fine, some coarse sand and gravel	0	- 22
Sand, fine, some gravel, trace of coarse sand	22	- 27
Sand, very fine, trace of silt	27	- 55
Sand, very fine, sharp, some sharp gravel	55	- 61
Refusal		at 61
GROTON W85.		
Sand, fine, brown, some coarse gravel	0	- 23
Sand, fine, trace of silt	23	- 48
Sand, fine, some sharp gravel, trace of coarse sand and silt	48	- 52
Refusal		at 52
GROTON W80.		
Sand, fine, some gravel, trace of coarse sand and silt	0	- 22
Sand, very fine, brown, trace of silt	22	- 38
Sand, very fine, brown, trace of coarse sand and gravel	38	- 44
Till, compact	44	- 47
Refusal		at 47
HARVARD B1.		
Sand and gravel, compact, fill	0	- 10.5
Silt with loose sand and gravel	10.5	- 12
Sand and gravel, compact, rocks, and clay	12	- 20

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth	
HARVARD B2.		
Silt and gravel, fill	0	- 29.5
Loamy sand, soft	29.5	- 32.8
Fine sand, blue, very little clay	32.8	- 35.5
Fine sand, yellow, and little clay	35.5	- 49.3
Fine sand, blue, and little clay	49.3	- 72.5
Sand, hard, compact, and very little clay	72.5	- 98.5
Sand, gravel, clay, and boulders	88.5	- 92
Ledge or boulders		at 92
HARVARD B3.		
Sand and gravel fill	0	- 11.5
Mud, soft, sandy	11.5	- 15.5
Sand, loose, dirty	15.5	- 22.5
Sand, gravel and clay, hard	22.5	- 27.5
Refusal		at 27.5
HARVARD B5.		
Peat	0	- 3.5
Sand and gravel	3.5	- 5
Sand, gravel and boulders, firm.	5	- 9
Sand, gravel, little clay, firm.	9	- 21.5
Sand, gravel and boulders, hard.	21.5	- 39.5
Refusal		at 39.5
HARVARD B6.		
Sand, loamy	0	- 2
Coarse sand and gravel, hard	2	- 11.5
Sand and gravel, little clay, hard, cemented, hardpan	11.5	- 29
HARVARD B7.		
Sand, loamy	0	- 1
Coarse sand and gravel, firm	1	- 8.5
Sand and gravel, hard	8.5	- 10.5
Sand and fine gravel, hard compact	10.5	- 26
HARVARD B10.		
Salt, soft, loamy sand	0	- 7
Fine sand, loose	7	- 11
Coarse sand and gravel, loose	11	- 24
Clay and fine sand, soft, blue	24	- 38
Clay, medium blue, and fine sand	38	- 41
Clay, blue, and sand, gravel and boulders, hard	41	- 58
Refusal		at 58
HARVARD B11.		
Sand, loamy	0	- 1
Coarse sand, firm	1	- 15
Coarse sand, hard	15	- 26
Coarse sand, firm	26	- 40
Sand, sharp, yellow	40	- 49
Fine sand, yellow	49	- 61
Sand, sharp, firm	61	- 72.5
Fine sand, firm	72.5	- 88.5
Sand, hard, compact	88.5	- 97
Sand, gravel, and very little clay, hard	97	-102
Refusal		at 102
HARVARD B12.		
Sand, little gravel fill	0	- 7
Medium to fine sand	7	- 21
Medium fine sand, little clay	21	- 35
Medium fine sand, yellow, little clay	35	- 52
Medium fine sand, little clay	52	- 70
Fine sand, blue, hard	70	- 82
HARVARD B13.		
Sand, loamy, little gravel	0	- 3
Medium clay, yellow, sand and gravel	3	- 9
Sand, gravel, and clay, hard (hardpan)	9	- 31
HARVARD W47.		
Sand and gravel	0	- 18
Sand	18	- 40
Sand and gravel	40	- 50
Gravel	50	- 76
HARVARD W79.		
Fine sand, brown, some gravel, a lot of clay	0	- 35
Fine sand, gray, broken gravel, lot of clay	35	- 44
Refusal		at 47.5
HARVARD W80.		
Refusal		at 19
HARVARD W81.		
Peat	0	- 6
Fine sand and clay, gray, sharp gravel, light	6	- 23
Fine sand, sharp gravel, clay, gray, tight	23	- 30
Refusal		at 33
HARVARD W82.		
Peat	0	- 5
Fine sand and gravel, and clay, tight, gray	5	- 23
Fine sand and gravel, and clay, brown	23	- 30
Fine sand and gravel, gray brown	30	- 37
Fine sand and gravel, and clay, gray	37	- 47
Refusal		at 50
HARVARD W83.		
Fine sand and gravel and clay, brown	0	- 19
Clay and fine sand, some gravel at 30 ft	19	- 33
Fine sand with sharp gravel and clay, tight	33	- 47
Refusal		at 49
HARVARD W84.		
Refusal		at 9
HARVARD W85.		
Peat	0	- 1
Clay and fine sand, sharp gravel	1	- 25
Refusal		at 27
HARVARD W86.		
Fine sand and clay	0	- 37
Fine sand with sharp gravel and clay	37	- 53
Refusal		at 53
HOLDEN W1.		
Clay	0	- 30
Rock	30	-100
HOLDEN W44.		
Gravel	0	- 5
Silt and clay	5	- 30
Hardpan	30	- 42
HOLDEN W45.		
Fine sand, silty	0	- 76
HOLDEN W46.		
Gravel	0	- 20
Sand, silty, brown	20	- 45
Sand and clay, silty, gray	45	- 90
Sand, hard packed, gray	90	-110
HOLDEN W47.		
Coarse gravel, rusty	0	- 15
Silt, gray	15	- 35
Gravel and clay, hard packed	35	- 45
Coarse sand	45	- 47
HOLDEN W48.		
Coarse sand	0	- 15
Coarse sand, dirty	15	- 23
Silt and clay, gray	23	- 73
HOLDEN W49.		
Coarse sand	0	- 10
Silt, brown	10	- 70
HOLDEN W50.		
Gravel	0	- 10
Fine gravel	10	- 15
Coarse sand, water bearing	15	- 40
Coarse gravel, water bearing	40	- 45
Bedrock		at 45
HOLDEN W51.		
Gravel and boulders	0	- 5
Gravel, water bearing	5	- 20
Gravel and hardpan	20	- 57
Bedrock		at 57
HOLDEN W52.		
Gravel and boulders	0	- 10
Coarse gravel, water bearing	10	- 44
Hardpan	44	- 55
Bedrock		at 55
HOLDEN W53.		
Gravel and boulders	0	- 10
Clay and sand	10	- 15
Coarse gravel	15	- 25
Clay and sand	25	- 38
Ledge		at 38
HOLDEN W54.		
Coarse sand	0	- 15
Fine sand	15	- 25
Coarse sand	25	- 42
Hardpan	42	- 45
HOLDEN W55.		
Gravel, water bearing	0	- 30
Clay, sandy, brown	30	- 60
Clay, sandy, gray	60	- 90
Hardpan	90	- 97
Ledge		at 97
HOLDEN W56.		
Coarse gravel, boulders	0	- 8
Fine sand	8	- 20
Fine sand, dirty	20	- 30
Fine sand	30	- 46
HOLDEN W57.		
Gravel, water bearing	0	- 15
Clay and gravel	15	- 30
Hardpan	30	- 44
Ledge		at 44
HOLDEN W58.		
Gravel and boulders	0	- 10
Fine sand	10	- 25
Gravel, hard	25	- 45
Gravel, water bearing	45	- 54
Hardpan	54	- 58
Ledge		at 58
HOLDEN W59.		
Peat, black, and gravel	0	- 10
Gravel, brown	10	- 25
Gravel and clay, very hard	25	- 54
Ledge		at 54
HOLDEN W60.		
Clay and boulders	0	- 10
Gravel	10	- 20
Fine sand and clay	20	- 41
HOLDEN W61		
Gravel, hard	0	- 20
Clay, sandy, brown	20	- 55
Clay, sandy, gray	55	- 85
Hardpan	85	- 98
Ledge		at 98
HOLDEN W62.		
Gravel, hard, brown	0	- 10
Gravel, hard, light brown	10	- 20
Gravel, light brown	20	- 30
Hardpan and gravel	30	- 55
Clay and hardpan	55	- 63
Ledge		at 63
HOLDEN W63.		
Fine sand, dirty gray	0	- 20
Sand, dirty brown	20	- 40
Hardpan	40	- 50
HOLDEN W64.		
Coarse sand	0	- 10
Fine sand	10	- 20
Coarse sand	20	- 39
Hardpan	39	- 45

Table 2.--Logs of selected wells and borings (Continued)
(Depths are given in feet below land surface)

	Depth	
HOLDEN W65.		
Coarse gravel	0	- 5
Sand	5	- 15
Coarse gravel	15	- 25
Coarse gravel and sand	25	- 40
HOLDEN W66.		
Gravel fill	0	- 4
Sand, coarse gravel	4	- 12
Sand	12	- 22
Sand and gravel	22	- 28
Fine sand	28	- 30
Sand	30	- 41
Clay		at 41
HOLDEN W67.		
Gravel fill	0	- 3
Coarse gravel	3	- 12
Medium gravel	12	- 25
Fine sand	25	- 30
Coarse gravel	30	- 37
HOLDEN W68.		
Fine medium sand and gravel, brown, free	0	- 25
Fine sand, gray, large sharp gravel and clay, light	25	- 30
Refusal		at 32.5
HOLDEN W69.		
Coarse gravel	0	- 17
Very fine sand and silt	17	- 52
Clay, gray	52	- 80
Hardpan	80	- 97
HOLDEN W70.		
Fine silt	0	- 5
Coarse gravel	5	- 9
Silt and sand, brown	9	- 69
HOLDEN W99.		
Gravel, hard light	0	- 3
Silt and clay	3	- 5
Coarse gravel	5	- 26.5
Refusal		at 26.5
HOLDEN W100.		
Medium to coarse gravel	10	- 15
Coarse gravel	15	- 31
HOLDEN W109.		
Sand and small gravel, brown, with fine silt	15	- 20
Sand and gravel, silty, brown	20	- 22
Refusal		at 22
HOLDEN W131.		
Fine sand, tan, and clay, tight	0	- 42
Fine to medium sand, brown, large gravel and clay, tight	42	- 50
Refusal		at 50
HOLDEN W133.		
Fine to medium sand, tan, large gravel, speck of clay, free	0	- 21.5
Medium to coarse sand and gravel, tan, free	21.5	- 26.8
Fine to medium sand and gravel, tan, pumped fair	26.8	- 32.2
Fine sand, tan, clay and sharp gravel, tight	32.2	- 37.25
HOLDEN W134.		
Fine to medium sand, tan, some gravel and clay, tight	0	- 25
No Record	25	- 28.25
Refusal		at 28.25
HOLDEN W137.		
Fine sand, tan, some gravel, specks of clay, tight	0	- 23
Fine sand, tan, and clay, tight	23	- 39
Fine to medium sand, tan, small gravel, free	39	- 44
Fine sand, gray, sharp gravel and clay, tight	44	- 55
Refusal		at 58

	Depth	
HOLDEN W138.		
Fine to medium sand, brown, small gravel and clay, fair	0	- 23
Medium to coarse sand, gray, large broken gravel and clay, fair	23	- 28
Refusal		at 29
HOLDEN W139.		
Medium to coarse sand and gravel, speck of clay, fair	0	- 23
Fine to medium sand, tan, small gravel and clay, tight	23	- 28
Fine sand, gray, sharp gravel and clay, tight	28	- 44
Refusal		at 47.8
HOLDEN W140.		
Fine sand, brown, and clay, tight	0	- 42
Fine to medium sand, brown, some gravel, fair	42	- 47
Fine to medium sand, gray, some gravel, fair	47	- 52
Refusal		at 54.9
HOLDEN W141.		
Fine sand, brown, sharp gravel and clay, tight	0	- 39
Refusal		at 40.5
HOLDEN W145.		
Sand, gravel and clay	0	- 26
Hardpan and dark gravel	26	- 38.5
Refusal Tight - no water		at 38.5
HOLDEN W146.		
Fine sand and small gravel	0	- 14
Fine sand	14	- 44
Refusal		at 44.5
HOLDEN W147.		
Fine and broken gravel	0	- 11
Traces of clay, some gravel (pumped tight, no water)	11	- 22
Fine sand, brown	22	- 28
Medium sand, scattered gravel, trace of clay	28	- 34
Medium sand, scattered gravel, trace of clay (pumped 18 gpm)	34	- 40
Medium sand, broken gravel and clay	40	- 48
Refusal		at 48
HOLDEN W148.		
Topsoil	0	- 4
Sand, scattered gravel	4	- 12
Medium sand, gray	12	- 18
Coarse sand	18	- 30
Fine sand, scattered rough gravel, clay, gray, tight	30	- 36
Fine sand, traces of clay and medium gravel	36	- 42
Refusal		at 44
Set cook screen, 18 slot, at 30 feet pumped 20 gpm at 20 inches of vacuum		
HOLDEN W149.		
Medium sand	0	- 10
Sand and gravel	10	- 20
Medium sand and clay	20	- 26
Medium sand	26	- 33
Medium sand, brown, gravel, traces of clay	33	- 38
Fine sand, brown, clay, little gravel	38	- 43
Fine sand, brown, small gravel	43	- 47
Fine sand, brown, traces of clay, fine gravel	47	- 53
Fine sand, gray, traces of clay	53	- 58
Refusal		at 58
HOLDEN W150.		
Sand, rough gravel	0	- 10
Sand, small gravel	10	- 16
Sand, gray	16	- 22
Medium sand, gray	22	- 28
Sand, gray, broken gravel	28	- 32
Medium sand, gray, broken gravel	32	- 38
Refusal		at 38

	Depth	
HOLDEN W151.		
Sand and gravel	0	- 11
Coarse sand	11	- 20
Coarse sand and gravel	20	- 30
Coarse gravel	30	- 41
Ledge		at 41
HOLDEN W152.		
Sand and gravel	0	- 18
Fine sand, brown, silty clay	18	- 30
Fine sand, blue, and clay	30	- 38
Fine clay, silty, and sand	38	- 55
Refusal		at 55
HOLDEN W153.		
Sand, gravel, and clay	0	- 16
Coarse sand, some gravel	16	- 20
Medium sand and some coarse gravel	20	- 26
Fine sand, some clay	26	- 32
Fine sand and clay	32	- 37
Fine sand, gray and clay	37	- 41
Refusal		at 41.5
Pumped at 41 ft - tight - no water Pumped at 26 ft - lot of sand		
HOLDEN W154.		
Sand and heavy gravel	0	- 22
Refusal		at 22
HOLDEN W155.		
Medium sand and gravel	0	- 26
Fine sand and medium gravel	26	- 32
Fine sand, rough gravel	32	- 38
Fine sand, fine gravel and clay	38	- 43
Fine to coarse sand, sharp gravel and clay	43	- 49
Pulled back to 37.5 feet Pumped 47 gpm at 9 inches of vacuum		
HOLDEN W156.		
Sand, gravel and boulders	0	- 10
Sand and rough gravel	10	- 18.5
Fine sand	18.5	- 24
Fine sand and clay	24	- 36
Fine sand, trace of clay and scattered gravel (pumped tight)	36	- 42
Fine sand, clay, broken gravel	42	- 47
Refusal		at 47
HOLDEN W157.		
Sand and broken gravel	0	- 10
Sand and scattered gravel	10	- 18
Fine clay, silty, and sand	18	- 38
Fine sand, silty, and broken gravel	38	- 43
Fine clay, sand, broken gravel	43	- 48
Refusal		at 48
HOLDEN W158.		
Sand and broken gravel	0	- 16
Fine sand, small gravel	16	- 21
Fine sand, broken gravel, traces of clay	21	- 25
Fine sand, traces of clay, sharp gravel	25	- 31
Fine sand, clay and broken gravel	31	- 37
Refusal		at 37
Tight no water (pulled)		
HOLDEN W159.		
Fine sand	0	- 14
Fine sand, traces of clay	14	- 31
Medium sand, traces of clay	31	- 37
Fine sand, broken gravel and clay	37	- 43
Pumped tight		
HOLDEN W160.		
Fine sand, broken gravel (pumped tight)	0	- 20
Fine sand, traces of clay, broken gravel	20	- 26
Fine sand, clay, broken gravel	26	- 31
Fine clay, sand, broken gravel (pumped tight)	31	- 37
Refusal		at 37

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth	
HOLDEN W161.		
Fine sand, small gravel	0	- 10
Sand, broken gravel	10	- 19
Sand, scattered gravel	19	- 25
Fine sand, small gravel, traces of clay	25	- 37
Fine to medium sand, clay and broken gravel	37	- 49
Refusal		at 49
Pumped tight all the way down		
HOLDEN W162.		
Fine sand, gray, clay, broken gravel	0	- 20
Fine sand, gray, broken gravel	20	- 24
Refusal		at 24
(Pumped tight - no water - pulled)		
HOLDEN W163.		
Medium sand and gravel	0	- 20
Sand and gravel	20	- 31
Fine sand, gravel, traces of clay	31	- 36
Fine sand, broken gravel, traces of clay	36	- 41
Refusal		at 41
Pumped tight at 41 feet		
Set 9 feet of screen at 31 feet and pumped 60 gpm at 24 inches vacuum		
HOLDEN W164.		
4 gpm		at 80
8 gpm		at 110
HOLDEN W167.		
Gravel	0	- 5
Fine sand	5	- 10
Coarse sand	10	- 15
Fine sand and small stones	15	- 20
Fine sand	20	- 25
Granite and schist	25	-125
HOLDEN W168.		
Gravel	0	- 20
Gravel, clay, and small stones	20	- 40
Boulders	40	- 52
Sand and small stones	52	- 55
Coarse sand	55	- 60
Granite and schist	60	- 71
HOLDEN X1.		
Loose sand, loam	0	- 3
Sand, gravel and stones, hard packed	3	- 16
Sand and stones, hard packed	16	- 19
Sand, gravel and stones, hard packed	19	- 25
Sand, gravel and stones, and little clay, hard packed	25	- 28
Rock obstruction		at 28
HOLDEN X2.		
Sand and loam, loose	0	- 2.5
Gravel and stones, hard packed	2.5	- 13
Sand and gravel	13	- 22
Fine sand with some water	22	- 49
Sand and gravel	49	- 51
HOLDEN X3.		
Gravel and rocks, hard packed	0	- 12
Gravel, rock and some clay, hard packed	12	- 22
Sand and gravel, hard packed	22	- 30
Sand and gravel, little clay, hard packed	30	- 35
Rock obstruction		at 35
LANCASTER B1.		
Silt, loamy sand	0	- 11.5
Coarse sand, fine gravel, loose	11.5	- 21
LANCASTER B1, (Continued)		
Medium clay, blue, fine sand	21	- 43
Clay, soft blue, little fine sand	43	- 56
Medium fine sand, blue	56	- 79
Refusal		at 79
LANCASTER B2.		
Sand and gravel fill	0	- 10.5
Sand, loamy	10.5	- 13
Fine sand, firm, yellow	13	- 18.5
Coarse sand, gravel, hard	18.5	- 22.5
Fine sand, blue, little clay	22.5	- 63
Coarse sand, firm	63	- 81.5
Fine sand, very little clay	81.5	- 91
Fine sand, hard	91	-115
Sand, gravel and clay, hard	115	-123
Refusal		at 123
LANCASTER B3.		
Sand and gravel, loamy	0	- 2
Sand and coarse gravel, hard	2	- 7.5
Coarse sand and gravel, hard	7.5	- 13
Fine sand, firm	13	- 37
Sand and gravel	37	- 42.5
Sand and fine gravel, cemented, hard	42.5	- 46
LANCASTER B4.		
Coarse sand and gravel fill	0	- 9.4
Fine sand, soft	9.4	- 13.1
Coarse sand and gravel	13.1	- 17.6
Coarse sand, gravel and boulders, firm	17.6	- 25.1
Fine sand and gravel, blue, hard	25.1	- 30
Fine sand and clay, blue, firm	30	- 50
LANCASTER W8.		
Fine sand	0	- 20
Ledge		at 20
LANCASTER W9.		
Sand	0	- 15
Clay	15	- 20
Fine sand	20	- 53
Coarse material with very little pea gravel	53	- 58
Clay	58	- 60
Ledge		at 60
LANCASTER W10.		
Clay and fine sand	0	- 45
Coarse material with pea gravel	45	- 61
Clay		at 61
LANCASTER W11.		
Fine sand	0	- 55
Coarse material with greater quantities of pea gravel	55	- 65
Ledge (Artesian flow)		at 65
LANCASTER W14.		
Sand (water flowed)	0	- 54
Sand and gravel	54	- 78
LANCASTER W16.		
Driven through fine sand to hardpan	0	- 84
LANCASTER W17.		
Driven 22 feet through clay to hardpan		
LANCASTER W18.		
Silty clay	0	- 97
Medium sand and silt, gray	97	-108
Coarse sand, dark brown	108	-112.5
Silt, brown, then silt and gravel	112.5	-113
Medium sand, brown	113	-118
Coarse sand and gravel, brown, some stones	118	-119
Fine to medium sand, brown	119	-125
Coarse sand, brown, some gravel	125	-126
LANCASTER W18. (Continued)		
Very coarse sand and gravel	126	-132
Coarse sand, brown	132	-138.5
Coarse sand, brown, and large stones		at 138.5
LANCASTER W19.		
Fill	0	- 3
Silt and clay, gray (some rock fragments)	3	- 60
Sand, gravel and clay, gray	60	- 64
Fine sand, gray, and clay	64	- 70
Fine to medium sand, trace of clay, hard packed	70	- 83
Medium sand, brown, some fine	83	- 86
Medium to coarse sand, brown, packed	86	-100
Medium to coarse sand, gray	100	-110
Hardpan	110	-127
Note: Trace of clay in all sand formations.		
LANCASTER W28.		
Sand and gravel, sharp, brown	0	- 18
Hardpan	18	- 23
Clay, silt, soft, brown	23	- 31
Sand and clay, gray	31	- 38
Clay and shale, gray	38	- 43
Silty sand, shale, clay	43	- 67
Hardpan	67	- 86
Refusal		at 86
LANCASTER W29.		
Sand, gravel and clay, brown	0	- 10
Fine sand and clay, brown	10	- 25
Sand and gravel, brown	25	- 31
Fine silty sand, brown	31	- 38
Refusal		at 38
LANCASTER W30.		
Sand and gravel, brown	0	- 20
Fine sand, brown	20	- 40
Fine sand, trace of clay, brown	40	- 47
Fine sand, brown	47	- 60
Medium sand, brown, good circulation	60	- 67
Stopped		at 67
LANCASTER W35.		
Medium coarse sand	0	- 14
Medium sand, gray	14	- 30
No refusal		
LANCASTER W38.		
Loam	0	- 1
Fine sand, brown, and broken gravel	1	- 5
Fine to medium sand, brown, and large broken gravel	5	- 10
Large broken gravel and trace of clay	10	- 15
Some broken gravel and trace of clay	15	- 20
Fine sand, brown, and clay	20	- 30
Sand with clay, brown, and broken gravel	30	- 35
Sand, gray, with broken gravel	35	- 40
Fine sand, gray, with small broken gravel and some clay	40	- 45
Fine sand, gray, with broken gravel and clay mixed	45	- 54
Refusal		at 54
LANCASTER W39.		
Sand and gravel, brown	0	- 8
Coarse sand and gravel, gray	8	- 20
Fine sand, gray, and small sharp gravel	20	- 35
Sharp slate rock	35	- 42
Refusal		at 42
LANCASTER W40.		
Fine sand	0	- 15
Sand and small gravel	15	- 20
Coarse gravel, small	20	- 31
Clay (Jullers earth)	31	- 66
Gravel, small, black	66	- 68
Ledge		at 68

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth	
LANCASTER W41.		
Gravel, small	0	- 10
Gravel, large	10	- 15
Fine sand, gray	15	- 79
Gravel, black	79	- 84
Ledge		at 84
LANCASTER W42.		
Mud	0	- 6
Sand and small gravel, white	6	- 12
Sand and medium gravel	12	- 17
Sand, red	17	- 23
Clay	23	- 38
Fine sand, gray	38	- 48
Clay	48	- 50
Small gravel, black and gray	50	- 52
Ledge		at 52
LANCASTER W43.		
Coarse gravel	0	- 14
Clay	14	- 18
Clay and fine sand	18	- 30
Coarse sand, small gravel, gray.	30	- 31
Gravel, black and clay	31	- 32
Ledge		at 32
LANCASTER W44.		
Gravel	0	- 11
Sand, red, hard gravel	11	- 13
Coarse gravel	13	- 14
Clay	14	- 20
Sand, red, small gravel	20	- 21
Sand, white, little clay	21	- 26
Clay	26	- 29
Sand, red	29	- 30
Clay	30	- 31
Sand, white	31	- 42
Sand, red, small gravel	42	- 44
Sand and small gravel	44	- 46
Sand, brown	46	-103
Clay, fine sand, white	103	-111
Fine sand, grayish brown	111	-115
LANCASTER W45.		
Coarse gravel	0	- 15
Coarse sand, gray	15	- 17
Fine sand, gray	17	- 22
Fine sand, brown	22	- 25
Sand, brown	25	- 90
Sand, brown, small veins of small gravel	90	-100
Coarse sand, brown	100	-113
Sand, brown, some gray	113	-120
Sand, hard, some gravel and clay	120	-125
Ledge		at 125
LANCASTER W46.		
Gravel	0	- 15
Sand, red	15	- 31
Sand, brown	31	- 40
Fine sand	40	- 55
Note: Lost washwater at 45 feet		
LANCASTER W47.		
Dirt, brown	0	- 3
Clay and hardpan	3	- 15
Ledge		at 15
LANCASTER W48.		
Gravel	0	- 20
Sand, brown	20	- 55
Sand, red	55	- 65
Sand, red and gray	65	- 75
Clay	75	- 84
Gravel, black	84	- 86
Gravel, mixed black, white, and brown	86	- 88
Sand, brown	88	- 91
Ledge		at 91
LANCASTER W49.		
Sand and gravel	0	- 16
Sand, gray, some clay	16	- 22
Some gravel, small black stones.	22	- 25
Hardpan	25	- 28
Ledge		at 28

	Depth	
LANCASTER W50.		
Gravel	0	- 16
Clay and sand, gray	16	- 61
Sand, gray	61	-102
Fine sand, gray	102	-115
Ledge		at 115
LANCASTER W51.		
Medium to coarse sand	0	- 14
Medium to coarse gravel	14	- 27
Coarse sand and fine gravel	27	- 35
Coarse sand	35	- 45
Medium to coarse gravel	45	- 53
Refusal		at 53
LANCASTER W52.		
Sand and clay	0	- 12
Medium to coarse sand	12	- 21
Sand and gravel	21	- 60
Coarse sand and fine gravel	60	- 79
Clay and gravel	79	- 81
Refusal		at 81
LANCASTER W53.		
Gravel and sand	0	- 6
Clay	6	- 75
Fine sand	75	- 85
Fine to medium sand	85	-110
Refusal		at 110
LANCASTER W54.		
Sand and gravel	0	- 6
Clay and streaks of fine sand	6	- 85
Fine sand	85	- 95
Medium sand	95	-122
Refusal		at 122
LANCASTER W56.		
Loam	0	- 2
Fine sand, yellow, and sharp gravel	2	- 15
Sand, silty, yellow	15	- 41
Sand, silty, gray, with streaks of clay	41	- 88
Clay, silty, yellow, compact	88	-103
Shale	103	-104
LANCASTER W57.		
Loam	0	- 3
Sand, silty,gray	3	- 11
Fine sand, yellow, and sharp gravel	11	- 17
Clay, soft, gray	17	- 31
Sand, silty, gray	31	- 80
Sand, silty, yellow, - some clay	80	-118
Shale	118	-119
LANCASTER W58.		
Loam	0	- 2
Clay, sandy, gray	2	- 7
Fine sand, yellow, sharp gravel.	7	- 21
Sand, silty,gray, with streaks of clay	21	- 35
Sand, silty, gray	35	- 97
Shale	97	- 98
LANCASTER W59.		
Loam	0	- 2
Fine sand, brown, and sharp gravel	2	- 14
Clay, firm, gray	14	- 29
Sand, silty,gray	29	- 37
Refusal		at 37
LANCASTER W60.		
Loam	0	- 2
Fine sand, brown, and sharp gravel	2	- 18
Sand, silty, yellow	18	- 39
Fine sand, yellow, with streaks of clay	39	- 54
Fine sand and small sharp gravel	54	- 57
Refusal		at 57
LANCASTER W61.		
Loam	0	- 2
Sand, silty, gray	2	- 9
Fine sand, brown, sharp gravel	9	- 15
Clay, gray, soft	15	- 36
Sand, silty, gray	36	- 70

	Depth	
LANCASTER W61 (Continued)		
Fine sand, light gray, with streaks of hard clay, gray	70	-129
Hardpan	129	-132
Refusal		at 132
LANCASTER W63.		
Loam	0	- 2
Fine sand, yellow	2	- 20
Clay, firm, gray	20	- 31
Sand, silty, gray	31	- 93
Sand, silty, gray, with streaks of clay	93	-104
Refusal		at 104
LEOMINSTER B1.		
Cinder fill	0	- 1.2
Coarse sand and gravel, hard	1.2	- 4.8
Fine sand, gray	4.8	- 29.5
Medium sand, sharp, gray	29.5	- 38
LEOMINSTER B2.		
Sand and gravel fill, loamy	0	- 3.2
Coarse sand and very fine gravel	3.2	- 18
Sand, sharp	18	- 32
Medium sand	32	- 42.4
Sand, sharp	42.4	- 49.6
Fine sand	49.6	- 52.5
LEOMINSTER W23.		
Peat, black	0	- 15
Coarse gravel, water bearing	15	- 37
Gravel and hardpan	37	- 41
Ledge		at 41
LEOMINSTER W40.		
Sand and gravel mixed with clay.	0	- 7
Sand and gravel mixed, sharp, brown, with fine clay, soft	7	- 17
Refusal		at 17
LEOMINSTER W43.		
Hardpan and boulders	0	- 13
Sand and gravel, sharp, gray	13	- 36
Bedrock	36	-360
LEOMINSTER W46.		
Loam	0	- 2
Fine sand and gravel, gray	2	- 12
Medium sand and gravel, gray	12	- 24
Shale - Refusal	24	- 25
LEOMINSTER W47.		
Sand and gravel, brown	0	- 13
Hardpan	13	- 14
Refusal		at 14
LEOMINSTER W48.		
Gravel	0	- 10
Clay and gravel	10	- 18
Refusal		at 18
LEOMINSTER W53.		
Sand and gravel	0	- 10
Medium gravel	10	- 20
Sand and gravel	20	- 30
Fine sand	30	- 32
LEOMINSTER W54.		
Fill and boulders	0	- 6
Silt and clay	6	- 11
Fine sand and sharp gravel	11	- 15
Hardpan	15	- 21
Bedrock	21	-645
LEOMINSTER W60.		
Hardpan and boulders, and clay, firm, gray	0	- 17
Refusal		at 17
LEOMINSTER W71.		
Medium gravel	0	- 12
Fine sand and clay	12	- 28
Hardpan	28	- 46
Refusal		at 46

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth	
LEOMINSTER W76.		
2.5 gpm	at	190
6 gpm	at	230
8.5 gpm	at	260
10 gpm	at	350
15 gpm	at	405
LEOMINSTER W79.		
Medium sand	0	- 8
Clay, sandy, brown	8	- 58
Sand, silty, brown	58	- 87
Fine sand, brown	87	- 97
Hardpan	at	97
LEOMINSTER W80.		
Loam	0	- 2
Medium sand and gravel, yellow	2	- 13
Fine sand, yellow, sharp gravel	13	- 22
Shale	22	- 23
LEOMINSTER W82.		
Medium sand, brown	0	- 15
Rock, broken, and clay with some fine sand	15	- 23
Refusal	at	23
LEOMINSTER W83.		
Loam	0	- 2
Fine sand, brown, and sharp gravel	2	- 49
Fine sand, brown, and clay	49	- 54
Refusal	at	54.5
LEOMINSTER W84.		
Loam	0	- 2
Medium sand, brown, and sharp gravel	2	- 25
Hardpan	25	- 27
Refusal	at	27
LEOMINSTER W85.		
Peat and gravel, tight	0	- 10
Gravel and sand	10	- 20
Medium sand	20	- 38
Fine sand	38	- 58
Medium sand	58	- 73
Medium gravel	73	- 75
Medium sand	75	- 82
Dirty sand and gravel	82	- 91
Fine sand, light	91	-103
Refusal	at	103
LEOMINSTER W86.		
Fine sand, brown	0	- 10
Medium sand	10	- 25
Fine sand, yellow	25	- 30
Gravel, very hard	30	- 32
Coarse gravel, water bearing	32	- 55
Hardpan	55	- 63
LEOMINSTER W87.		
Fine sand, brown	0	- 10
Coarse gravel, water bearing	10	- 30
Medium gravel	30	- 35
Coarse gravel, water bearing	35	- 50
Hardpan	50	- 53
Ledge	at	53
LEOMINSTER W88.		
Coarse sand	0	- 10
Coarse gravel	10	- 15
Fine sand	15	- 25
Coarse sand	25	- 30
Hardpan and broken stone	30	- 33
Ledge	at	33
LEOMINSTER W89.		
Coarse gravel	0	- 6
Very fine sand	6	- 28
Ledge	at	28
LEOMINSTER W90.		
Coarse gravel	0	- 4
Fine sand	4	- 27
Medium to coarse sand	27	- 33
LEOMINSTER W91.		
Coarse gravel	0	- 6
Fine silt	6	- 25
Gravel and clay	25	- 29
Ledge	at	29

	Depth	
LEOMINSTER W92.		
Coarse gravel	0	- 4
Fine sand	4	- 25
Coarse sand	25	- 31
Tight gravel	31	- 36
Stopped on clayey material.		
LEOMINSTER W93.		
Coarse gravel	0	- 7
Very fine sand	7	- 36
Tight gravel	36	- 41
Ledge	at	41
LEOMINSTER W94.		
Peat	0	- 8
Fine sand, gray	8	- 17
Clay, soft, gray	17	- 21
Fine sand, gray, and clay	21	- 26
Fine sand, fine gravel and clay. Rocks, sharp, black, and soft clay	26	- 35
Sand and fine gravel and clay, hard packed	35	- 54
Refusal	54	- 59
5 gpm	at	59
15 gpm at 32 feet, 10 inches of vacuum	at	57
LEOMINSTER W95.		
Gravel	0	- 10
Medium sand	10	- 42
Sand and clay	42	- 53
10 ft, No. 20 screen at 53 ft = 10 gpm		
10 ft, No. 20 screen at 42 ft = 50 gpm		
LEOMINSTER W96.		
Loam	0	- 1
Sand and gravel and boulders	1	- 13
Fine sand	13	- 27
Fine sand, sharp gravel, little clay	27	- 34
Refusal	at	34
LEOMINSTER W97.		
Peat	0	- 2
Sand and gravel	2	- 9
Fine sand and silt	9	- 38
Gravel, sharp, black, and clay	38	- 40
Fine sand and clay	40	- 46
Fine sand, clay, and sharp gravel	46	- 53
Refusal	at	53
LEOMINSTER W98.		
Peat	0	- 3.5
Medium sand and gravel	3.5	- 16
Fine sand, traces of clay	16	- 47
Fine sand, sharp black gravel, and clay	47	- 58.5
Refusal	at	58.5
LEOMINSTER W99.		
Peat	0	- 2
Sand and gravel	2	- 7
Fine to medium sand	7	- 36
Fine sand and sharp gravel, black	36	- 40
Medium sand	40	- 48
Sharp rock, black, shale	48	- 55.6
Refusal	at	55.6
LEOMINSTER W100.		
Sand and loam	0	- 1
Sand, gravel, and boulders	1	- 10
Clay, hard	10	- 12
Hardpan	12	- 15
Refusal	at	15
LEOMINSTER W101.		
Peat	0	- 3
Sand and gravel	3	- 16
Clay, soft, gray	16	- 23
Medium sand and fine gravel	23	- 28
Sand, silty, and clay	28	- 51
Fine sand and sharp gravel, black, and clay	51	- 57
Refusal	at	57

	Depth	
LEOMINSTER W102.		
Sand	0	- 4
Sand and gravel	4	- 11
Clay, hard, gray	11	- 23
Clay, soft,gray	23	- 37
Sand, silty, and clay	37	- 68
Sand and clay, hard packed	68	- 79
Refusal	at	79
LEOMINSTER W103.		
Loam	0	- 1
Fine sand, scattered gravel	1	- 16
Fine sand and clay	16	- 23
Sand, gravel and clay	23	- 28
Hardpan	28	- 34
Refusal	at	34
LEOMINSTER W104.		
Peat	0	- 2
Coarse sand and fine gravel	2	- 17
Fine sand and clay	17	- 30
Gravel, sharp, and clay	30	- 41
Shale, soft	41	- 43
Refusal	at	43
LEOMINSTER W105.		
Sand and gravel	0	- 17
Fine sand, fine gravel, and clay	17	- 29
Sand, gravel and clay, hard packed	29	- 37
Refusal	at	37
LEOMINSTER W106.		
Loam	0	- 1
Sand, gravel, boulders, and clay	1	- 23
Hardpan	23	- 31
Refusal	at	31
LEOMINSTER W107.		
Sand and fine gravel	0	- 16
Fine sand and sharp gravel, and clay	16	- 23
Refusal	at	23
LEOMINSTER W108.		
Sand and clay	0	- 3
Medium to fine sand	3	- 31
Coarse sand, brown, and fine gravel	31	- 35
Fine sand, clay, sharp gravel	35	- 47
Refusal	at	47
LEOMINSTER W109.		
Sand and gravel	0	- 11
Coarse sand	11	- 26
Fine to medium sand	26	- 33
Refusal	at	33
LEOMINSTER W110.		
Sand and fine gravel	0	- 7
Sand, silty	7	- 35
Fine medium sand	35	- 47
Fine sand, little clay	47	- 51
Refusal	at	51
LEOMINSTER W111.		
Gravel	0	- 15
Refusal	at	15
LEOMINSTER W112.		
Gravel	0	- 8
Clay, blue	8	- 39
Silt, brown, and clay	39	- 64
Hardpan	64	- 68
Refusal	at	68
LEOMINSTER W113.		
Sand and gravel, pumped tight	0	- 16
Fine sand, sharp gravel	16	- 24
Fine sand, small dark gravel	24	- 30.5
Fine sand, dark gravel, tight, no water	30.5	- 31.5
Refusal	at	31.5
LEOMINSTER W114.		
Gravel	0	- 10
Refusal	at	10

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth	
LEOMINSTER W115.		
Hardpan, clay, boulders, gray clay	0	- 20
Refusal		at 20
LEOMINSTER W116.		
Sand and gravel, heavy	0	- 14
Fine sand, brown	14	- 32
Fine sand, fine gravel, trace of clay, brown	32	- 38
Refusal, hardpan		at 38
LEOMINSTER W117.		
Peat	0	- 30
Fine sand, gray	30	- 37
Fine sand, gray, and coarse gravel (pumped good, odor)	37	- 40
Fine sand, traces of clay, gray (pumped tight)	40	- 45
Clay, tight	45	- 47
Ledge, refusal		at 47
LEOMINSTER W118.		
Peat, fine sand and clay, gray	0	- 10
Fine sand, scattered gravel, gray	10	- 16
Fine sand, gray, coarse clay, gravely, gray	16	- 25
Hardpan, refusal		at 25
LEOMINSTER W119.		
Gravel, sharp, and boulders, heavy	0	- 14
Coarse sand, gravel, and clay	14	- 17
Sand, sharp, brown, gravel, and hardpan	17	- 24
Refusal		at 24
LEOMINSTER W120.		
Gravel	0	- 17
LEOMINSTER W121.		
Loam	0	- 5
Clay, hard, yellow	5	- 25
Clay, hard, yellow, sharp gravel	25	- 29
Refusal		at 29
LEOMINSTER W122.		
Loam	0	- 2
Clay, silty,yellow	2	- 28
Clay, firm, yellow	28	- 35
Refusal		at 35
LEOMINSTER W123.		
Peat	0	- 7
Clay, firm, gray, sharp gravel and boulders	7	- 19
Hardpan	19	- 21
Refusal		at 21
LEOMINSTER W128.		
Gravel, dirty	1	- 33
LEOMINSTER W129.		
Sand	0	- 10
Gravel	10	- 20
Clay	20	- 35
LEOMINSTER W130.		
Gravel	0	- 10
Clay	10	- 20
Fine clay, sandy	20	- 52
LEOMINSTER W131.		
Gravel	0	- 10
Clay and silt No circulation	10	- 50
LEOMINSTER W132.		
Sand	0	- 10
Gravel	10	- 18
Sand and clay No circulation	18	- 30
LEOMINSTER W133.		
Sand	0	- 10
Gravel	10	- 18
Sand and clay No circulation	18	- 30
LEOMINSTER W134.		
Gravel	0	- 15
Clay	15	- 40
LEOMINSTER W135.		
Gravel	0	- 10
Sand and clay	10	- 30
LEOMINSTER W136.		
Gravel	0	- 10
Sand, brown	10	- 15
Silt	15	- 42
LEOMINSTER W137.		
Gravel	0	- 10
Clay, sandy Set screen, pumped 3 gpm	10	- 65
LEOMINSTER W138.		
Gravel, dirty	0	- 18
LEOMINSTER W139.		
Gravel	0	- 7
Fine silt	7	- 35
Clay, sandy	35	- 62
LEOMINSTER W140.		
Gravel	0	- 8
Rock		at 8
LEOMINSTER W141.		
Gravel	0	- 10
Ledge		at 10
LEOMINSTER W142.		
Gravel	0	- 17
Ledge		at 17
LEOMINSTER W143.		
Gravel and boulders	0	- 17
LEOMINSTER W145.		
Gravel and clay No circulation	0	- 19
LEOMINSTER W146.		
Sand	0	- 34
Gravel	34	- 35
LEOMINSTER W148.		
Gravel, dirty	0	- 18
LEOMINSTER W149.		
Gravel	0	- 8
Ledge		at 8
LEOMINSTER W151.		
Gravel	0	- 5
Ledge		at 5
LEOMINSTER W152.		
Gravel and clay	0	- 16
LEOMINSTER W153.		
Gravel and clay	0	- 16
LEOMINSTER W154.		
Sand, dirty Set 3, No. 30 screens, pumped 3 gpm	0	- 35
LEOMINSTER W155.		
Gravel	0	- 6
Fine sand and clay	6	- 53
LEOMINSTER W156.		
Gravel	0	- 2
Silt and clay	2	- 23
Rock	23	- 26
LEOMINSTER W157.		
Topsoil	0	- 1
Fine gravel	1	- 17
Coarse gravel	17	- 37
LEOMINSTER W158.		
Gravel and clay No circulation	0	- 28
LEOMINSTER W159.		
Topsoil	0	- 1.5
Gravel and rock	1.5	- 27
LEOMINSTER W160.		
Topsoil	0	- 2
Gravel and rock	2	- 21
LEOMINSTER W161.		
Sand and gravel	0	- 41
LEOMINSTER W163.		
Gravel	0	- 40
Clay and hardpan	40	- 52
LEOMINSTER W164.		
Gravel	0	- 14
Hardpan	14	- 18
LEOMINSTER W165.		
Gravel, clay, hardpan	0	- 19
LEOMINSTER W166.		
Loam	0	- 2
Fine sand, brown and sharp gravel, compact	2	- 14
Fine sand, yellow	14	- 31
Sand, silty, yellow, streaks of clay	31	- 50
Refusal		at 50
LEOMINSTER X1.		
Sand, loamy, loose	0	- 3
Medium sand, some gravel, firm.	3	- 5
Fine sand, some gravel, hard	5	- 7
Medium sand, some gravel, very hard	7	- 12
LEOMINSTER X2.		
Sand, loamy, loose	0	- 2
Fine sand, some gravel, firm	2	- 5
Fine sand, some gravel, hard	5	- 13
Fine sand and gravel, very hard	13	- 16
Refusal		at 16
LEOMINSTER X4.		
Sand, gravel, loam, loose, fill	0	- 2.5
Medium to coarse sand, gray-yellow, some fine gravel and fine sand, loose	2.5	- 6
Fine to very fine sand, yellow-gray, some silt, soft, trace of peat and clay	6	- 10
LEOMINSTER X5.		
Loose sand, gravel, boulders, and miscellaneous fill	0	- 4
Soft dark sandy loam, trace of gravel	4	- 5.5
Firm, medium to fine leached yellow sand, some gravel and coarse sand, boulders	5.5	- 10
LEOMINSTER X11.		
Sand, gravel, boulders, and miscellaneous fill, loose	0	- 11
Medium to fine sand, yellow, some gravel and coarse sand, loose	11	- 15.5
Medium and fine sand, yellow, some gravel, trace of coarse sand and clay, boulders, firm	15.5	- 20
Fine to medium sand, yellow, some gravel, trace of coarse sand and clay, boulders, compact	20	- 30
LEOMINSTER X15.		
Fine sand	0	- 3
Sand and gravel, brown	3	- 8
Hardpan material	8	- 10
Fine sand, gravel, and clay	10	- 11.5
Hardpan	11.5	- 12.2
LEOMINSTER X16.		
Sand, loamy, loose	0	- 2
Fine, medium sand, loose, yellow	2	- 6.5
Medium to coarse sand and gravel, firm, dark yellow, some fine sand and boulders	6.5	- 10

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth
LUNENBURG W1.	
Fine to medium sand, light brown,and sharp gravel	0 - 15
Medium sand, light brown	15 - 28
Medium sand and sharp gravel, light brown	28 - 33
Refusal	at 33
LUNENBURG W2.	
Gravel, hard packed	0 - 12
Medium gravel, gray	12 - 40
Medium sand and gravel, gray	40 - 50
Fine sand, gray	50 - 61
Medium sand, brown	61 - 66
Medium gravel, brown	66 - 71
Coarse gravel	71 - 78
Medium gravel	78 - 83
Hardpan	at 83
LUNENBURG W3.	
Sand and gravel	0 - 10
Medium gravel	10 - 50
Medium sand	50 - 53
Coarse gravel	53 - 76
LUNENBURG W4.	
Gravel fill	0 - 8
Hardpan, gray	8 - 16
Medium gravel, gray	16 - 21
Bedrock	at 21
LUNENBURG W9.	
Sand, fill	0 - 2
Fine gravel, brown	2 - 9
Fine sand, gray	9 - 21
Coarse sand, brown	21 - 28
Hardpan, gray	28 - 30
Refusal	at 30
LUNENBURG W47.	
Gravel	0 - 10
Refusal - boulders. Couldn't drive through	at 10
LUNENBURG W49.	
Fine sand, little gravel	0 - 12
Fine sand	12 - 23.5
Refusal	at 23.5
LUNENBURG W50.	
Gravel	0 - 23
LUNENBURG W51.	
Gravel	0 - 18
LUNENBURG W53.	
Gravel	0 - 24
LUNENBURG W56.	
Gravel	0 - 8
Gravel, dirty	8 - 16
LUNENBURG W57.	
Gravel and clay	0 - 20
Refusal	at 20
LUNENBURG W61.	
Coarse sand and gravel, good circulation	at 17
Coarse sand, small gravel,with quite a bit of clay mixed in.	17 - 26
Set screen at 17 feet - pumped 25 gpm	
LUNENBURG W62.	
Gravel	0 - 23
LUNENBURG W64.	
Medium sand	0 - 10
Fine gravel	10 - 20
Refusal	at 20
LUNENBURG W65.	
Coarse gravel	0 - 8
Fine to medium gravel	8 - 33
Refusal	at 33
LUNENBURG W66.	
Coarse gravel	0 - 7
Medium sand	7 - 15
Refusal	at 15
LUNENBURG W67.	
Medium sand	0 - 12
Refusal	at 12
LUNENBURG W68.	
Fill	0 - 2
Sand and clay	2 - 10
LUNENBURG W68 (Continued).	
Gravel, packed	10 - 15
Refusal	at 15
LUNENBURG W69.	
Coarse gravel	0 - 5
Fine sand, brown	5 - 16
Refusal	at 16
LUNENBURG W70.	
Medium gravel	0 - 5
Coarse sand	5 - 20
Medium gravel	20 - 23
Refusal	at 23
LUNENBURG W71.	
Gravel fill	0 - 5
Peat	5 - 10
Hardpan	10 - 15
Sand and gravel, gray	15 - 29
Sand and gravel, brown	29 - 34
Sand and boulders, brown	34 - 34.5
LUNENBURG W72.	
Peat	0 - 5
Sand and gravel, gray, packed	5 - 10
Gravel, hard packed	10 - 13
Hardpan and clay	13 - 15
Clay and fine sand	15 - 30
Medium coarse sand and gravel	30 - 33
Medium gravel	33 - 38
Hard rocks and sandy clay	at 38
LUNENBURG W73.	
Sand and little clay	0 - 12
Coarse sand and gravel	12 - 44
LUNENBURG W74.	
Fine sand and sharp gravel, brown	0 - 19
Fine sand and sharp gravel, gray	19 - 45
Refusal	at 45
LUNENBURG W75.	
Loam	0 - 2
Fine to medium sand and sharp gravel and boulders	2 - 15
Fine to medium sand, some gravel	15 - 31
Fine sand and clay, gray	31 - 38
Refusal	at 38
LUNENBURG W98.	
Loam and sand fill	0 - 4
Fine sand	4 - 10
Hardpan	10 - 23
Refusal	at 23
LUNENBURG W99.	
Sand	0 - 7
Sand, gravel, and boulders	7 - 11
Sand and gravel, some clay	11 - 30
Fine sand and gravel, sharp	30 - 33
Hardpan	33 - 35
Refusal	at 35
LUNENBURG W100.	
Sand	0 - 15
Sand and gravel	15 - 36
Sand and fine gravel	36 - 45
Sand and gravel, hard packed	45 - 50
Iron = .0	
Manganese = .0	
LUNENBURG W101.	
Sand and boulders	0 - 11
Sand and gravel	11 - 38
Sand and fine gravel	38 - 43
Minimum sand and fine gravel, some clay	43 - 57
Refusal	at 57
LUNENBURG W102.	
Sand	0 - 6
Sand, gravel, and boulders	6 - 21
Sand and gravel	21 - 29
Medium sand	29 - 36
Sand, gravel and clay, hard packed	36 - 45
Refusal	at 45
Iron = .0	
Manganese = .0	
LUNENBURG W103.	
Loam and sand	0 - 1
Sand, gravel and boulders	1 - 8
Sand, hard packed	8 - 14
Hardpan	14 - 21
Refusal	at 21
LUNENBURG W104.	
Loam and sand	0 - 1
Sand, gravel and boulders	1 - 8
Sand, gravel and boulders, hard packed	8 - 14
Hardpan	14 - 21
Refusal	at 21
LUNENBURG W105.	
Sand and gravel	0 - 11
Sand, gravel and boulders	11 - 13
Hardpan	13 - 19
Refusal	at 19
LUNENBURG W106.	
Sand, brown	0 - 5
Clay, sandy, light	5 - 12
Sand and gravel	12 - 18
Clay, silty	18 - 34
Fine sand and gravel, sharp	34 - 57
Refusal	at 57
LUNENBURG W107.	
Fine sand	0 - 12
Sand and fine gravel	12 - 21
Hardpan	21 - 29
Refusal	at 29
LUNENBURG W108.	
Sand and clay	0 - 2
Sand, gravel and boulders	2 - 9
Sand and sharp gravel	9 - 38
Hardpan	38 - 42
Refusal	at 42
Iron = .1	
Manganese = .0	
LUNENBURG W109.	
Loam	0 - 1
Sand and gravel	1 - 5
Fine sand	5 - 23
Sand and gravel, hard packed	23 - 35
Hardpan	35 - 39
Refusal	at 39
LUNENBURG W110.	
Sand and gravel	0 - 16
Fine sand and gravel	16 - 19
Hard packed gray sand and gravel	19 - 34
Refusal	at 34
LUNENBURG W111.	
Sand, gravel and boulders	0 - 11
Sand and gravel	11 - 18
Sand, gravel, clay and boulders, hard packed	18 - 23
Hardpan	23 - 29
Refusal	at 29
LUNENBURG W112.	
Sand, gravel and boulders	0 - 6
Hardpan	6 - 22
Refusal	at 22
LUNENBURG W113.	
Sand, gravel and boulders	0 - 15
Sand, gravel and clay	15 - 24
Hardpan	24 - 26
Refusal	at 26
LUNENBURG W114.	
Sand, gravel and boulders	0 - 14
Sand, gravel and clay	14 - 23
Hardpan	23 - 25
Refusal	at 25
LUNENBURG W115.	
Loam and sand	0 - 1
Sand, gravel and boulders	1 - 13
Fine sand and gravel	13 - 27
Sand and gravel	27 - 43
Sand, hard packed, gravel and some clay	43 - 52
Hardpan	52 - 54
LUNENBURG W116.	
Loam	0 - 1
Fine sand, medium gray	1 - 7
Fine medium sand and boulders.	7 - 14
Sand, sharp, gray, hardpan	14 - 19
Refusal	at 19

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth
LUNENBURG W117.	
Loam	0 - 1
Fine sand, gray	1 - 7
Fine sand, medium gray, and boulders	7 - 14
Sand, sharp, gray, hardpan	14 - 18
Refusal	at 18
LUNENBURG W118.	
Peat	0 - 3
Sand, medium brown	3 - 12
Sharp grays and hardpan	12 - 14
Refusal	at 14
LUNENBURG W119.	
Loam, sandy	0 - 1
Fine sand, medium brown	1 - 7
Fine to medium sand, sharp, gray, and boulders	7 - 14
Medium clay, gray sand and boulder, hardpan	14 - 21
Refusal	at 21
LUNENBURG W120.	
Medium coarse sand, brown, and gravel	0 - 10
Coarse sand and boulders	10 - 14
Fine sand, silty brown, and clay	14 - 28
Fine sand, brown, and clay	28 - 35
Fine sand and clay	35 - 42
Medium sand, brown	42 - 43
Silty sand and clay	43 - 49
Refusal	at 49
LUNENBURG W121.	
Topsoil	0 - 1
Sand, brown, and gravel	1 - 7
Gravel, sharp, gray	7 - 14
Fine sand, gravel, sharp gray, and 1 ft clay	14 - 28
Gravel, sharp and gray, and clay	28 - 33
Refusal	at 33
LUNENBURG W122.	
Sand, brown	0 - 2
Hardpan	2 - 12
Gravel, hard packed, sharp	12 - 28
Clay, hard, and gravel, sharp	28 - 42
Silt and clay	42 - 48
Refusal	at 48
LUNENBURG W123.	
Hardpan	0 - 7
Hardpan and boulders	7 - 28
Gravel, hard packed, sharp, black	28 - 35
Sand and clay, hard packed, black	35 - 42
Hardpan	42 - 43
Refusal	at 43
LUNENBURG W124.	
Sand, brown, gravel and boulders	0 - 19
Sand, light brown, gravel, small, sharp, and clay	19 - 27
Shale type gravel and clay	27 - 35
Refusal	at 35
LUNENBURG W125.	
Sand, gravel and hardpan	0 - 13
Refusal	at 13
LUNENBURG W126.	
Clay and boulders	0 - 7
Fine medium sand, some clay	7 - 14
Small gravel, some clay	14 - 21
Gravel, sharp, and clay	21 - 38
Shale	38 - 40
Refusal	at 40
LUNENBURG W127.	
Fine medium sand, brown	0 - 7
Fine medium sand, some gravel	7 - 14
Medium sand, small gravel, some clay	14 - 21
Sand, small sharp gravel and clay	21 - 28
Shale rock	28 - 31
Refusal	at 31
LUNENBURG W128.	
Sand and gravel, brown	0 - 15
Sand, dark brown, and sharp gravel	15 - 25
Gravel, sharp	25 - 40
Gravel, slatey, and clay	40 - 50
Coarse gravel, slatey, and clay	50 - 57
Refusal	at 57
LUNENBURG W129.	
Medium sand and small gravel	0 - 7
Medium sand, brown, and small gravel	7 - 21
Sand, brown, and small gravel	21 - 28
Medium sand and blue gravel	28 - 35
Fine medium sand and gravel	35 - 43
Refusal	at 43
LUNENBURG W130.	
Fine medium sand, dark brown	0 - 7
Medium sand, brown	7 - 14
Medium sand, brown, and gravel	14 - 21
Medium coarse sand, brown, some gravel	21 - 28
Fine medium sand, brown	28 - 32
Refusal	at 32
LUNENBURG W131.	
Medium sand	0 - 7
Fine sand, silty brown, and clay	7 - 21
Fine sand, brown, some clay	21 - 28
Fine sand, brown, and clay	28 - 30
Sand, silty, and small gravel, sharp	30 - 36
Refusal	at 36
LUNENBURG W132.	
Peat	0 - 3
Sand and clay, gray	3 - 10
Fine sand, silty brown, and clay, brown	10 - 44
Fine medium sand and small gravel, sharp	44 - 49
Refusal	at 49
LUNENBURG W133.	
Peat	0 - 2
Fine medium sand, brown	2 - 7
Fine medium sand, brown, some gravel	7 - 14
Medium sand, some gravel	14 - 21
Fine sand, silty, some gravel	21 - 28
Fine medium sand and silt, some clay	28 - 35
Fine sand, silty	35 - 42
Fine medium sand, silty	42 - 49
Fine medium sand, silty, some gravel	49 - 54
Fine to coarse sand, some gravel, sharp	54 - 80
LUNENBURG W134.	
Landfill	0 - 7
Peat	7 - 9
Fine medium sand, some gravel	9 - 14
Fine medium sand, brown, some gravel	14 - 21
Sand, and small gravel	21 - 28
Fine medium sand, silty	28 - 35
Fine medium sand, silty, some clay	35 - 49
Fine medium sand, silty	49 - 54
Hardpan	54 - 87
Refusal	at 87
LUNENBURG W135.	
Fine sand and small gravel	0 - 7
Fine to medium sand and small gravel	7 - 14
Fine medium sand and small gravel	14 - 21
Medium sand and small gravel, sharp	21 - 28
Fine to medium sand, some gravel, sharp	28 - 35
Sand, small gravel and some clay	35 - 42
Fine to medium sand, brown, and some gravel	42 - 49
Fine medium coarse sand, and some gravel	49 - 56
Fine medium sand and small gravel	56 - 63
LUNENBURG W135, (Continued).	
Fine medium sand and sharp gravel	63 - 66
Fine medium sand, dirty, and silt	66 - 68
Shale	68 - 71
LUNENBURG W136.	
Topsoil	0 - 2
Sand, brown, some gravel	2 - 21
Fine medium sand and gravel, sharp	21 - 28
Fine medium sand and small gravel	28 - 35
Fine sand, some small gravel	35 - 41
Fine medium sand, silty	41 - 49
Fine medium sand, silty, some clay	49 - 50
Fine medium sand, silty	50 - 61
Medium coarse sand, small gravel	61 - 70
Fine to medium sand, some dirty sand	70 - 79
Fine medium sand, and small gravel	79 - 84
Medium coarse sand, some gravel	84 - 91
LUNENBURG W137.	
Topsoil	0 - 2
Sand, brown, and small gravel	2 - 7
Sand, brown, and some gravel	7 - 14
Sand, brown, and small gravel	14 - 21
Fine medium sand, some gravel, sharp	21 - 28
Fine medium sand, dark, and gravel, brown	28 - 35
Fine sand, some small gravel	35 - 41
Fine medium sand, silty	41 - 49
Fine medium sand, silty, and traces of clay	49 - 56
Fine medium sand, silty	56 - 61
Medium coarse sand, and small gravel	61 - 70
Fine medium sand, dirty	70 - 77
Fine medium sand, dark, and small gravel	77 - 84
Medium coarse sand, some small gravel	84 - 91
PAXTON W38.	
Gravel, dirty	0 - 17
Refusal	at 17
PAXTON W39.	
Gravel, dirty	0 - 19
Refusal	at 19
PEPPERELL W24.	
Sand and gravel, brown	0 - 25
Medium sand, brown	25 - 30
Medium sand and gravel, brown	30 - 35
Medium sand, some gravel, brown	35 - 40
Fine to medium sand, brown	40 - 45
Fine sand, brown	45 - 72
Refusal	at 72
PEPPERELL W26.	
Fill, coarse	0 - 9
Coarse sand, gravel, stone, brown	9 - 23.2
Fine to medium sand, tan	23.2 - 27
Coarse sand, brown, some small stones	27 - 34
Sand and gravel, well sorted, brown	34 - 45
Fine sand, brown	45 - 52.5
Refusal on Ledge	at 52.5
PEPPERELL W27.	
Fine sand, gray	0 - 29
Sand and clay, gray	29 - 34
Sand, gravel, clay, gray	34 - 43
Refusal	at 43
PEPPERELL W28.	
Sand and clay	0 - 16.5
Refusal	at 16.5
PEPPERELL W30.	
Refusal (ledge)	at 10
PEPPERELL W31.	
Refusal on ledge	at 21.5

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth
PEPPERELL W33.	
Sand, clay, brown	0 - 15
Sand, sharp gravel, clay	15 - 29.5
Ledge	at 29.5
PEPPERELL X1.	
Sand and gravel, loose	0 - 2
Fine sand, compact, light brown, some fine gravel	2 - 5
Fine sand, some gravel, very compact, brown	5 - 8
Refusal, no water	at 8
PEPPERELL X2.	
Topsoil, sandy	0 - 1
Fine sand, trace of gravel, firm, brown	1 - 5
Fine sand, trace of gravel, very compact	5 - 10.5
Refusal	at 10.5
PEPPERELL X3.	
Sand and gravel, fill	0 - 4
Fine sand, dark gray, some silt, peat and wood	4 - 8
Fine sand, firm gray, trace of fine gravel	8 - 12
Fine sand, firm, brown, some silt	12 - 15
Very fine sand, loose, gray, and silt	15 - 28
Fine sand, gravel, silt, some clay, loose	28 - 32
Fine sand, silt and rock fragments, very compact	32 - 35
PEPPERELL X4.	
Sand and gravel, loose	0 - 2
Fine sand, some silt and rock fragments, very compact, gray brown	2 - 5
Fine sand, trace of gravel and silt, compact, brown	5 - 8
Refusal	at 8
PEPPERELL X5.	
Fine sand, loose, brown	0 - 7
Fine sand, firm, brown	7 - 10
Fine sand, firm, brown, some gravel, trace of coarse sand, and silt	10 - 15
PEPPERELL X6.	
Fine sand, silty, firm, trace of gravel	0 - 5
Fine sand, some silt, trace of gravel, firm, brown	5 - 13
Fine sand, silt and soft rock, compact, gray	13 - 15
PEPPERELL X7.	
Fine sand, very loose, brown	0 - 8
Fine sand, trace of silt, gray brown	8 - 13
Fine sand, firm, gray brown	13 - 15
PEPPERELL X8.	
Fine sand, trace of coarse sand and gravel, firm, brown	0 - 5
Fine sand, firm, brown, some coarse sand and gravel	5 - 15
PEPPERELL X9.	
Fine sand, silty, firm, brown, trace of gravel	0 - 5
Fine sand, very compact, brown, and silt, some rock fragments	5 - 7.75
Refusal	at 7.75
PEPPERELL X10.	
Sand, gravel, and silt fill	0 - 5
Fine sand, firm, gray brown, some gravel and silt	5 - 10
Fine sand, compact, brown, and rock fragments, some silt	10 - 14.1
Refusal	at 14.1
PEPPERELL X11.	
Sand and gravel fill	0 - 1
Fine sand, firm, brown, trace of gravel and silt	1 - 9
Fine sand, compact, gray brown, some gravel and clay	9 - 11
Refusal	at 11
PEPPERELL X12.	
Sand and gravel fill	0 - 8
Fine sand, compact, brown, some gravel, trace of coarse sand and silt	8 - 10
Fine sand, very compact, brown, some gravel, silt, trace of coarse sand	10 - 14
Refusal	at 14
PEPPERELL X13.	
Sand and gravel fill, with boulders, loose	0 - 8
Fine sand and gravel, compact, brown, some silt	8 - 10
Fine sand, very compact, brown, some silt, trace of fine gravel	10 - 14
Refusal	at 14
PEPPERELL X14.	
Topsoil	0 - .5
Fine sand, some coarse, trace of fine gravel and silt, loose, brown	.5 - 7
Fine sand, firm, brown, some coarse sand and gravel	7 - 12
Fine to coarse sand and some gravel, firm, brown	12 - 15
PEPPERELL X15.	
Fine sand, some silt, trace of gravel, firm, brown	0 - 6
Fine sand, some silt, firm, gray	6 - 10
Fine sand and silt, firm, gray brown	10 - 15
PEPPERELL X16.	
Topsoil	0 - .5
Fine sand, some silt, very loose, brown	.5 - 5.5
Fine sand, some silt, compact, brown	5.5 - 7.5
Fine sand and gravel, some coarse sand and silt, very compact, gray	7.5 - 10
Drilled overburden	10 - 15
Silt, firm, gray	15 - 25
Very fine sand and silt, firm, gray	25 - 35
PEPPERELL X17.	
Topsoil	0 - 1
Fine sand, very loose, brown	1 - 5.5
Fine sand, some coarse sand and gravel, firm, gray brown	5.5 - 13
Fine sand and silt, some sharp gravel, compact, gray	13 - 15
Fine sand and sharp gravel, some silt, very compact, gray	15 - 20
Fine sand, some gravel, trace of coarse sand and silt, very compact, dark gray	20 - 23
Refusal	at 23
PEPPERELL X18.	
Topsoil	0 - .33
Fine sand, some silt, very loose, brown	.33 - 6
Sand, trace of silt, firm, brown	6 - 11
Fine sand, sharp gravel, some silt, very compact, gray brown	11 - 15
Fine sand, silt, firm, brown	15 - 20
Fine sand, trace of silt, firm, brown	20 - 23
Fine sand and silt, loose, gray brown	23 - 27
PEPPERELL X18 (Continued).	
Very fine sand and silt, loose, gray	27 - 32
Fine sand, some sharp gravel and clay, compact, gray	32 - 35
PEPPERELL X19.	
Fine sand, some silt, loose, dark brown	0 - 4
Fine sand, firm, brown	4 - 15
PEPPERELL X20.	
Fine sand, some gravel and coarse sand, loose, brown	0 - 3
Fine sand, loose, brown	3 - 15
PEPPERELL X21.	
Topsoil, sandy	0 - 1
Fine sand, some silt, compact, brown	1 - 5
Fine sand, some silt, very compact, brown	5 - 11.2
PEPPERELL X22.	
Roots	0 - 1
Silt, trace of very fine sand, soft, dark brown, moist	1 - 5
Silt, some very fine sand, trace of mica, soft, dark brown, wet	5 - 9.5
Fine sand, some gravel and silt, trace of coarse sand, firm, brown, moist	9.5 - 13.5
Fine sand, some silt and gravel, compact, brown, moist	13.5 - 20
PEPPERELL X23.	
Topsoil and roots	0 - 1
Fine sand, sharp gravel, some coarse sand, firm, brown	1 - 3
Fine sand, some gravel and rock fragments, trace of silt, very compact, brown	3 - 5
Fine sand and fine to medium gravel, some silt and rock fragments, very compact, gray brown (T.11)	5 - 18
PEPPERELL X24.	
Topsoil, sandy	0 - 1
Sand, some silt and fine gravel, firm	1 - 4
Sand, some silt, gravel and rock fragments, very compact, brown	4 - 9
Refusal (no water)	at 9
PEPPERELL X25.	
Topsoil	0 - .5
Sand, some silt, firm, dark brown	.5 - 5
Fine sand, some silt and rock fragments, very compact, brown	5 - 7
Refusal	at 7
PEPPERELL X27.	
Topsoil, sandy	0 - 1
Fine sand, some gravel and silt, compact, brown	1 - 5
Fine sand and silt, some rock fragments, very compact	5 - 10
Refusal (no water)	at 10
PEPPERELL X28.	
Topsoil	0 - .5
Fine to coarse sand, some gravel, firm, brown	.5 - 11
Fine sand, some coarse sand and gravel, compact, brown	11 - 15
PEPPERELL X33.	
Topsoil, sandy	0 - .5
Rock fragments, silt, sand (till)	.5 - 7.5
Refusal	at 7.5

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth
RUTLAND B1.	
Loam, sand, gravel and boulder fill	0 - 4.47
Coarse sand, yellow, gravel and boulders	4.47 - 7.97
Medium sand, gray, little clay	7.97 - 15.47
Medium sand, gray, gravel, and little clay	15.47 - 23.97
Refusal	at 23.97
RUTLAND B2.	
Mud, sand, gravel	0 - 4
Rock obstruction	at 4
SHIRLEY W1.	
Fine sand	at top
Coarse gravel	all the rest
SHIRLEY W2.	
Gravel	0 - 38
Gravel and clay	38 - 48
SHIRLEY W3.	
Sand and gravel	0 - 16
Sand	16 - 38
Sand, gravel, clay	38 - 46
Gravel and clay	46 - 51
Ledge	at 51
SHIRLEY W21.	
Clay, hard	0 - 7
Hardpan and boulders	7 - 12
Refusal	at 12
SHIRLEY W22.	
Clay and boulders	0 - 7
Hardpan and boulders	7 - 21
Refusal	at 21
SHIRLEY W23.	
Fine sand, yellow	0 - 7
Hardpan and boulders	7 - 18
Refusal	at 18
SHIRLEY W24.	
Gravel and clay, brown	0 - 7
Fine sand, brown	7 - 17
Refusal	at 17
SHIRLEY W25.	
Gravel and clay, brown	0 - 7
Fine sand, brown	7 - 18
Refusal	at 18
SHIRLEY W26.	
Gravel and fill	0 - 7
Clay	7 - 13
Refusal	at 13
SHIRLEY W27.	
Hardpan	0 - 8
Refusal	at 8
SHIRLEY W28.	
Sand and gravel, sharp, tight packed	0 - 7
Sand and small gravel, brownish gray	7 - 14
Sand and gravel	14 - 27
Shale type gravel	27 - 28
Refusal	at 28
SHIRLEY W29.	
Sand, sharp gray,and small gravel, sharp	0 - 7
Sand and gravel, brown	7 - 21
Fine sand and gravel, brown	21 - 24
Sand, gray, and shale type gravel	24 - 30
Shale type gravel, gray	30 - 33
Refusal	at 33
SHIRLEY W30.	
Sand and gravel, tight packed	0 - 5
Sand and gravel, brown and gray	5 - 14
Sand and gravel, brown	14 - 28
Gravel, shale type	28 - 29.5
Refusal	at 29.5
SHIRLEY W31.	
Sand and gravel and boulders, brown	0 - 7
Sand, gray, gravel and shale	7 - 12
Sand and gravel, brown	12 - 35
Gravel, shale type	35 - 36
Refusal	at 36.5
SHIRLEY W32.	
Peat, humus	0 - 2
Clay, soft gray, and silt	2 - 9
Fine sand, silty, trace of clay	9 - 15
Fine sand, silty	15 - 20
Fine silt	20 - 25
Refusal	at 25
SHIRLEY W33.	
Peat	0 - 3
Clay, brown	3 - 10
Gravel, small, sharp, gray	10 - 17
Fine to medium sand and silt	17 - 24
Fine to medium sand, brown, trace of clay, brown	24 - 28
Fine sand, silty	28 - 30
Refusal	at 30
SHIRLEY W34.	
Peat	0 - 2
Clay, soft, brown	2 - 10
Sand and clay, soft, brown	10 - 16
Refusal	at 16
SHIRLEY W35.	
Peat	0 - 4
Clay, brown	4 - 8
Fine clay, sandy	8 - 14
Refusal	at 14
SHIRLEY W36.	
Loam and sand	0 - 1
Sand and gravel, hard packed	1 - 11
Sand and gravel	11 - 28
Fine sand, brown	28 - 33
Sand, silty, brown	33 - 39
Fine sand, light, gray	39 - 54
Fine sand, gray	54 - 60
Sand, gray, gravel, sharp	60 - 62
Refusal	at 62
SHIRLEY W37.	
Medium to fine sand	0 - 20
Medium to coarse gravel	20 - 30
Coarse gravel	30 - 37
Gravel and sand, hard packed	37 - 39
Fine sand	39 - 40
SHIRLEY W38.	
Fine gravel, sandy	0 - 13
Sand, sharp gravel, clay, hard packed	13 - 25
Refusal	at 25
SHIRLEY W39.	
Sand and gravel	0 - 10
Silt, clay and gravel	10 - 17
Fine sand and gravel	17 - 28
Sand and fine gravel	28 - 43
Fine sand and sharp gravel	43 - 45
Refusal	at 45
SHIRLEY W40.	
Loam and sand	0 - 1
Sand and gravel	1 - 13
Fine sand and fine gravel	13 - 19
Clay, silty	19 - 21
Sand and gravel, hard packed	21 - 34
Hardpan and shale	34 - 37
Refusal	at 37
SHIRLEY W41.	
Sand and gravel	0 - 10
Sand, silty, and sharp gravel	10 - 17
Silt, clay and gravel	17 - 28
Silt and sharp gravel	28 - 39
Refusal	at 39
SHIRLEY W42.	
Loam and sand	0 - 1
Sand and sharp gravel, hard packed	1 - 12
SHIRLEY W42, Continued.	
Sand and fine gravel	12 - 29
Sand and gravel, hard packed	29 - 36
Hardpan	36 - 39
Refusal	at 39
SHIRLEY W43.	
Loam and sand	0 - 1
Sand and gravel, and boulders	1 - 9
Sand, gravel and clay, hard packed	9 - 21
Silt and sharp gravel	21 - 34
Refusal	at 34
SHIRLEY W44.	
Loam and peat	0 - 1
Sand	1 - 5
Sand and sharp gravel, hard packed	5 - 17
Fine sand, sharp gravel and clay	17 - 25
Sand, gravel, and traces of clay, hard packed	25 - 36
Refusal	at 36
SHIRLEY W45.	
Fill and peat	0 - 1
Sand, gravel and boulders	1 - 14
Sand and sharp gravel, hard packed	14 - 37
Hardpan	37 - 40
Refusal	at 40
SHIRLEY W46.	
Hardpan and boulders	0 - 14
Sand, clay and sharp gravel, hard packed (till)	14 - 29
Refusal	at 29
SHIRLEY W68.	
Sand and gravel	0 - 11
Fine to medium sand	11 - 21
Fine sand	21 - 29
Sand and fine gravel	29 - 48
Silt and sharp gravel	48 - 50
Silt and clay	50 - 52
Refusal	at 52
SHIRLEY W69.	
Sand and gravel	0 - 10
Sand and gravel, hard packed	10 - 15
Coarse sand and gravel	15 - 28
Fine to coarse sand	28 - 35
Medium to coarse sand	35 - 42
Medium to coarse sand and gravel	42 - 49
Fine to medium sand and gravel	49 - 53
Fine to coarse sand and gravel	53 - 58
Silty sand and traces of clay, medium dark gray	58 - 62
Refusal	at 62
SHIRLEY W71.	
Sand and gravel	0 - 7
Fine to medium sand	7 - 12
Fine to medium sand and gravel, hard packed	12 - 22
Fine to coarse sand and sharp gravel, hard packed	22 - 42
Fine to medium sand	42 - 47
Clay, fine sand, dark gray	47 - 49
Refusal	at 49
STERLING W8.	
Good gravel	0 - 19
STERLING W31.	
Sand and gravel	18 - 25
STERLING W38.	
Peat and topsoil	0 - 2.1
Gravel and coarse sand	2.1 - 10.9
Coarse sand and gravel	10.9 - 27.2
NOTE: One of 12 wells being pumped together - total yield equals approximately 120 gpm.	

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth				Depth				Depth		
STERLING W46.				STERLING W110.				TOWNSEND W71.			
Loam	0	-	2	Topsoil	0	-	5	Sand and gravel, brown	0	-	26
Fine sand, brown, streak of clay	2	-	14	Fine sand and rocks	5	-	20	Fine sand, brown	26	-	40
Silty sand, streak of clay	14	-	38	Large rocks	20	-	40	Coarse sand and gravel	40	-	62
Silty sand, gray	38	-	95	Fine sand and clay	40	-	45	Fine sand, brown	62	-	74
Clay, hard gray, and sharp gravel	95	-	98	Medium gravel and rocks	45	-	50	Sand and gravel, gray, some clay	74	-	76.3
Refusal		at	98	Coarse gravel	50	-	55	Ledge		at	76.3
				Gravel and rocks	55	-	65				
STERLING W52.				Medium gravel	65	-	68				
Loam and topsoil	0	-	5	Coarse gravel	68	-	72	TOWNSEND W72.			
Medium sand and gravel	5	-	21	Coarse gravel and rocks	72	-	75	Fine to medium sand, brown	0	-	10
Medium sand and some boulders	21	-	30	Fine sand and clay	75	-	78	Medium sand, tan	10	-	20
Rotten ledge or hardpan	30	-	31					Fine to medium sand, tan	20	-	25
				STERLING W111.				Fine sand, tan, some clay	25	-	34
STERLING W53.				Peat, muck, large boulders	0	-	4	Coarse sand, tan, small gravel	34	-	40
Loam and muck	0	-	3	Boulders, gravel, clay	4	-	7	Medium to coarse sand, brown, and small gravel	40	-	50
Sand and gravel, brown, mixed with clay	3	-	11					Coarse gravel, brown	50	-	61
Sand and gravel, gray, mixed with clay	11	-	19	STERLING W112.				Ledge (from 2 1/2 test, same location)		at	61
Gravel, sand, clay, tight packed, gray	19	-	24	Peat and muck	0	-	4				
Clay, blue, firm, and sharp stones	24	-	27	Sand, brown, and clay and boulders	3	-	8	TOWNSEND W74.			
Refusal		at	27	Hardpan	8	-	14	Fine sand, brown, some fine to medium gravel, trace of coarse sand	0	-	30
				Fine sand and small sharp gravel	14	-	18	Fine sand, brown, trace of coarse sand, gravel and silt	30	-	35
STERLING W54.				Clay, blue, firm	18	-	19	Very fine sand, brown, some silt, trace of clay	35	-	51
Fill	0	-	10	Refusal		at	19	Fine sand, brown, some fine gravel and silt, trace of coarse sand	51	-	58
Medium sand and gravel, brown	10	-	52					Refusal		at	58
Fine sand, brown, and small gravel	52	-	60	STERLING W113.							
Fine sand, dark brown, and small sharp gravel	60	-	70	Peat and muck	0	-	5	TOWNSEND W75.			
Stopped, no refusal				Sand, brown, mixed with clay, tight	5	-	15	Fine sand, brown, some coarse sand, trace of gravel, and silt	0	-	20
				Sand, hard packed, brown, small sharp gravel	15	-	22	Fine sand, brown, trace of silt	20	-	40
STERLING W58.				Hardpan	22	-	24	Very fine sand, light gray, some silt, trace of clay	40	-	95
Coarse sand and small gravel	0	-	18	Refusal		at	24	Stopped at 95			
Fine to medium sand	18	-	35								
Fine sand, trace of clay, tight	35	-	40	STERLING X1.				TOWNSEND W76.			
Pulled to 35				Fine sand, some fine gravel	0	-	3	Fine sand, brown, some coarse sand, trace of gravel	0	-	21
				Fine sand and some medium to coarse gravel	3	-	15	Fine sand, brown, trace of silt	21	-	31
STERLING W91.								Fine sand, light brown, trace of silt and coarse sand	31	-	42
Sand and gravel	0	-	19	STERLING X2.				Fine sand, brown, trace of silt	42	-	47
Clay and sand	19	-	25	Loamy topsoil	0	-	1	Fine sand, brown, trace of coarse sand, gravel and silt	47	-	57
Stopped at 50, Pulled to 18				Fine sand and some fine gravel	1	-	7	Fine sand, brown, trace of coarse sand and silt	57	-	63
				Refusal		at	7				
STERLING W99.								TOWNSEND W77.			
Sand, gravel and boulders	0	-	10	STERLING X3.				Fine and coarse sand, brown, trace of gravel	0	-	26
Sand, gravel, and trace of clay	10	-	19	Sand and gravel fill	0	-	4	Fine sand, brown, trace of coarse sand, gravel and silt	26	-	31
Fine sand and clay	19	-	25	Fine sand, some fine to medium gravel	4	-	10	Fine sand, brown, some coarse sand, trace of gravel, and silt	31	-	36
Sand, gravel, and sharp gravel	25	-	30					Fine sand, brown, trace of coarse sand and silt	36	-	47
Sand, gravel, trace of clay, tight packed	30	-	32	TOWNSEND W11.				Fine sand, brown, some coarse sand, trace of gravel and silt			
				Sand	0	-	70	Installed well screen at 74 feet, pumped 2 gpm at 29 inches of vacuum			
STERLING W102.				Ledge	70	-	140	Installed well screen at 69 feet, pumped 32 gpm at 26 inches of vacuum			
Sand and coarse gravel, brown	0	-	14								
Sand and gravel, brown	14	-	22	TOWNSEND W13.							
Fine sand and gravel, brown	22	-	29	Sand, very fine to fine, brown, very well sorted, moderate round	0	-	27.5				
Medium sand and fine gravel	29	-	36	Sand, very fine to fine, some silt	27.5	-	32.5				
Sand and gravel, sharp, brown	36	-	43	Silt, some sand	32.5	-	37.5				
Sand, gravel, trace of clay	43	-	48								
Refusal		at	48	TOWNSEND W16.							
				Organic peat	0	-	3				
STERLING W103.				Hardpan	3	-	13				
Hardpan	0	-	7	Sand and gravel	13	-	24				
Coarse sand, sharp gravel	7	-	21								
Sand and gravel, brown	21	-	43	TOWNSEND W39.							
Refusal		at	43	Sand, brown, scattered gravel	0	-	12				
				Sand, gray	12	-	27				
STERLING W108.				Sand, brown, small gravel	27	-	32				
Gravel fill	0	-	4								
Coarse gravel	4	-	32	TOWNSEND W70.							
Ledge		at	32	Topsoil	0	-	2	WEST BOYLSTON W3.			
				Fine sand, yellow	2	-	5	Coarse gravel	0	-	10
STERLING W109.				Medium sand, yellow	5	-	15	Coarse gravel, water bearing	10	-	25
Medium and coarse gravel, brown	0	-	18	Fine sand, yellow	15	-	20	Coarse gravel, brown, water bearing	25	-	27
Coarse gravel, brown	18	-	25	Coarse sand and gravel, yellow	20	-	25	Clay layer, very thin		at	27
Medium and fine sand, brown	25	-	31	Fine sand, gray	25	-	30	Coarse gravel, water bearing	27	-	34
Medium sand and fine gravel, brown	31	-	37	Medium sand and gravel, gray	30	-	47	Fine sand and clay	34	-	36
				Fine sand, gray	47	-	57				
				Coarse sand and gravel, brown	57	-	64				
				NOTE: One of 52, 2 1/2 inch wells pump discharge 540 gpm maximum drawdowns small							

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth
WEST BOYLSTON W4.	
Silt and loam	0 - 10
Clay and small stones	10 - 20
Clay and gravel	20 - 35
Medium gravel	35 - 40
Coarse gravel	40 - 45
Coarse gravel and stones	45 - 50
Coarse gravel	50 - 58
Sand and gravel, gray*	58 - 65
Refusal*	at 65
*from 8 inch test well, same location	
WEST BOYLSTON W5.	
Gravel, fair	0 - 30
Gravel, good coarse	30 - 48
WEST BOYLSTON W6.	
Coarse gravel	0 - 30
Sand and gravel	30 - 60
Clay, gray	60 - 80
Hardpan and ledge	at 80
WEST BOYLSTON W19.	
Clay, sandy	0 - 21
WEST BOYLSTON W20.	
Gravel and boulders	0 - 21
WEST BOYLSTON W21.	
Gravel and boulders	0 - 42
WEST BOYLSTON W22.	
Sand and gravel	0 - 16
Silt	16 - 25
Silt and trace of clay	25 - 30
Silt	30 - 68
Refusal	at 68
WEST BOYLSTON W23.	
Loam	0 - 2
Clay	2 - 4
Gravel, sandy, hard packed	4 - 10
Sand and gravel, brown, and silt	10 - 25
Sand, brown, and silt	25 - 40
Sand, fine to medium, brown, and silt	40 - 45
Sand, fine, brown, and silt	45 - 58
Sand, fine to coarse, brown	58 - 60
Hardpan	60 - 65
WEST BOYLSTON W24.	
Loam	0 - 2
Silt	2 - 20
Sand, sharp, gravel and silt	20 - 30
Sand, fine, gravel and silt	30 - 40
Sand, fine, brown	40 - 45
Sand, fine to medium, brown	45 - 50
Sand, medium to coarse, brown	50 - 64
Sand, fine, brown, and silt	64 - 81.5
Refusal	at 81.5
WEST BOYLSTON W25.	
Sand and gravel	0 - 40
Medium gravel	40 - 57
Sand and gravel	57 - 91
Coarse sand	91 - 101
Sand and gravel	101 - 104
Coarse sand	104 - 107
Sand and gravel	107 - 110
Coarse sand	110 - 112
Fine sand*	114 - 124
Sand and gravel, dirty*	124 - 137
Ledge*	at 137
*From 8 inch test well, same location	

	Depth
WEST BOYLSTON X1.	
Quartzite	at 32
Penetration - 9.8 feet	
WESTMINSTER B1.	
Peat, soft	1 - 23
Silt, sandy, very loose, wet, and trace of gravel	23 - 31.5
Sand, medium gray, some gravel, trace of clay, and boulders	31.5 - 39
Refusal	at 39
WESTMINSTER B2.	
Medium sand, brown, trace of silt, trace of medium gravel	0 - 4
Fine to medium sand, little silt, trace of coarse gravel	4 - 10
Fine sand, brown, little silt, trace of decomposed mica schist	10 - 12
Mica schist, gray, with quartz seams, medium to hard	12 - 17
Mica schist, gray, with quartz seams, soft	17 - 22
WESTMINSTER B3.	
Fine to medium sand, brown, topsoil	0 - 2
Fine to coarse sand and gravel, brown, boulder chips	2 - 8
Fine to medium sand, brown, cobbles, some silt	8 - 15
Fine to medium sand and silt, brown gray, trace of gravel, boulder chips, mica schist	15 - 19.7
Refusal	at 19.7
WESTMINSTER W4.	
Log of 2 1/2 test well at pump house	
Sand and scattered gravel	0 - 22
Fine sand	22 - 33
Fine to medium sand, sharp gravel and some clay	33 - 44.8
Refusal	at 44.8
5 gpm at 38 feet	
45 gpm at 19 feet with 10 inches of vacuum	
WESTMINSTER W7.	
Clay, blue	0 - 5
Boulders, flat	5 - 6
Quicksand, water-bearing	at 6
WESTMINSTER W25.	
Clay	0 - 65
Gravel	65 - 108
Rock	108 - 190
WESTMINSTER W28.	
Fine sand	0 - 120
Clay, soft, brown	120 - 130
Gravel, good	130 - 143
Rock	143 - 153
Well pulled to 143	

	Depth
WESTMINSTER W40.	
Hardpan and gravel	0 - 5
Hardpan and boulders	5 - 10
Hardpan	10 - 12
Refusal	at 12
WESTMINSTER W42.	
Sand, medium and coarse, appears to have rust	0 - 10
Sand, medium, some gravel (pumped 45 gpm)	10 - 15
Sand, medium (60 gpm, water clearer)	15 - 20
Sand, medium (36 gpm, began driving harder)	20 - 25
Boulders	at 25
WESTMINSTER W46.	
Sand, medium and coarse, clayish	0 - 15
Hardpan	15 - 20
WESTMINSTER W47.	
Medium and coarse sand	0 - 10
Coarse sand, some clay	10 - 15
Sand, clayish, and some fine gravel	15 - 20
Coarse sand and fine gravel	20 - 25
Medium and coarse sand, clayish	25 - 30
Broken gravel, clayish sand	30 - 33
Rock	at 33
WESTMINSTER W49.	
Sand and gravel, brown	0 - 5
Hardpan	5 - 7
Refusal	at 7
WESTMINSTER W50.	
Sand and gravel	0 - 15
Sand and gravel, with clay	15 - 25
Coarse gravel and sand, with clay	25 - 30
Sand and gravel, with clay	30 - 40
Refusal	at 40
WESTMINSTER W51.	
Sand and boulders, brown	0 - 5
Sand and gravel, with clay	5 - 10
Sand and clay mixed	10 - 15
Sand and clay	15 - 30
Sand and gray clay	30 - 35
Sand and gravel, with clay	35 - 40
Gravel, sharp, with clay	40 - 41
Refusal	at 41
WESTMINSTER W52.	
Fill	0 - 5
Clay and peat	5 - 10
Clay and sand	10 - 15
Sand and gray clay	15 - 25
Coarse sand and clay	25 - 30
Gravel, sand, and clay, mixed	30 - 35
Sand and gravel with clay	35 - 40
Fine sand and clay	40 - 45
Sand and clay	45 - 50
Refusal	at 50
WESTMINSTER W55.	
Boulders and peat	0 - 5
Peat and clay	5 - 10
Clay and hardpan	10 - 15
Hardpan and boulders	15 - 19
Refusal	at 19

Table 2.--Logs of selected wells and borings (Continued)

(Depths are given in feet below land surface)

	Depth				Depth				Depth		
WESTMINSTER W56.				WESTMINSTER W59.				WESTMINSTER W141.			
Sand and gravel	0	-	5	Fine and coarse sand, brown	0	-	27	Sand, gravel, and clay	0	-	1
Fill, sand, tree stumps	5	-	10	Fine sand, brown	27	-	42	Sand and gravel	1	-	8
Sand, brown, and gravel	10	-	25	Fine sand, brown, trace of coarse sand	42	-	47	Hardpan and boulders	8	-	15
Silt, and brown clay	25	-	30	Fine sand, brown, trace of silt	47	-	58	Clay, sandy, and sharp gravel	15	-	29
Fine sand and clay	30	-	35	Refusal		at	58	Sand, gray, sharp gravel and clay, hard packed	29	-	35
Silt and gray clay	35	-	45					Hardpan	35	-	39
Refusal		at	45	WESTMINSTER W60.							
				Coarse sand and gravel, some fine sand	0	-	27				
WESTMINSTER W57.				Fine sand, brown	27	-	32	WESTMINSTER W145.			
Fill and stumps	0	-	10	Fine sand, some coarse sand	32	-	37	Sand and clay	0	-	5
Gravel, hard packed	10	-	20	Fine sand, some coarse sand, trace of gravel	37	-	52	Sand and gravel	5	-	20
Sand and gravel, hard packed	20	-	25	Fine sand	52	-	57	Fine sand	20	-	25
Sand and gravel	25	-	30	Fine and coarse sand, trace of gravel	57	-	73	Fine sand and silt	25	-	30
Sand and gravel with clay	30	-	35	Very fine sand, trace of clay	73	-	85	Silt and clay, brown	30	-	40
Clay and silt	35	-	45	Refusal		at	85	Silt and clay, gray	40	-	50
Refusal		at	45					Silt, clayey, gray	50	-	60
Pumped 10 gpm at 32 feet				WESTMINSTER W61.				Refusal		at	60
WESTMINSTER W58.				Fine sand, trace of coarse sand, and gravel	0	-	30	WESTMINSTER W146.			
Peat	0	-	14	Fine sand	30	-	35	Peat and clay	0	-	5
Sand, brown, and gravel	14	-	25	Fine sand, some coarse sand, trace of gravel	35	-	45	Clay and gravel, brown	5	-	10
Fine sand, brown, and sharp gravel	25	-	35	Fine sand, trace of coarse sand and silt	45	-	51.5	Gravel, sharp, and clay	10	-	20
Fine sand, gray, and sharp gravel	35	-	40	Refusal		at	51.5	Sand and clay	20	-	25
Sand, gray, and gravel, with trace of clay	40	-	45	Set screen at 50 feet - 1 gpm				Gravel, sharp, and clay	25	-	28
Refusal		at	45	Set screen at 45 feet - 10 gpm				Refusal		at	28
				Set screen at 40 feet - 2 gpm							
				Sample from 45 feet							

Table 2A. -- *Logs of selected wells and borings*

(Depths are given in feet below land surface)

GROTON A1		
Topsoil	0	- 2
Coarse to very coarse sand	2	- 7
Fine sand	7	- 37
Silt and clay	47	- 60
Very fine sand and silt	60	- 75
Very fine sand with fine gravel	75	- 77
Till	77	- 85
Refusal		at 85.5
LANCASTER A1		
Mud and loam	0	- 2
Gravel	2	- 4.5
Coarse to very coarse sand	4.5	- 12
Clay, silt, and sand	12	- 50
Very fine sand and silt	50	- 75
Fine to coarse sand	75	- 99
Cobbles	99	-100
Sand	100	-122
LANCASTER A2		
Fill	0	- 3
Very coarse sand and fine gravel	3	- 40
Fine to coarse sand	40	- 55
Silty sand	55	- 75
Silt and clay	75	- 95
Fine sand, some silt	95	-122
LANCASTER W88		
Topsoil	0	- 2.5
Gravel	2.5	- 4
Fine sand	4	-117
STERLING W150		
Fill	0	- 20
Sand with some fine gravel	20	- 92
Till	92	- 94.5
Refusal		at 94.5
STERLING W151		
Topsoil	0	- 2
Cobbles	2	- 6
Fine sand with some coarse sand	6	- 50
Fine to medium sand	50	- 75
Refusal		at 75
TOWNSEND A1		
Coarse sand and gravel	0	- 8
Sand	8	- 89
Till	89	- 100.5
Refusal		at 100.5
TOWNSEND A2		
Medium to coarse sand and cobbles	0	- 20
Sand	20	- 54
Refusal		at 54

Table 3.--Chemical analyses of ground water

(Source of data: 3, State Health Department.)

LOCAL WELL NUMBER		DATE OF SAMPLE	COLOR	PH	ALKALINITY AS CACO3 (MG/L)	HARDNESS (MG/L)	CALCIUM (MG/L)	MAGNESIUM (MG/L)	SODIUM (MG/L)	POTASSIUM (MG/L)	IRON (MG/L)	MANGANESE (MG/L)	SILICA (MG/L)	SULFATE (MG/L)	CHLORIDE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	NITRATE (MG/L)	COPPER (MG/L)	SOURCE OF DATA
										ASHBURNHAM									
W	3	5-17-61	25	6.0	25	--	70	70	--	--	0.15	0.00	--	--	60.	--	1.0	--	3
W	4	5-17-61	10	5.7	3	--	12	12	--	--	.02	.00	--	--	3.	--	.05	--	3
W	6	- -		6.1	18	32	--	--	--	--	28.	.15	--	--	19.	--	.30	--	--
W	8	4-29-69	0	5.8	3	--	16	16	--	--	.02	.00	--	--	4.5	--	1.7	--	3
W	9	6- -69	5	6.5	21	20	--	--	--	--	.9	.02	--	--	2.5	--	.00	--	--
W	10	4- -69	0	6.5	18	18	--	--	--	--	0	0	--	--	7.5	--	.3	--	--
W	13	0-25-62	5	6.7		--	34	34	--	--	.04	.00	--	--	10.	--	5.4	--	3
W	14	- -	10	7.1	47	42	--	--	--	--	.45	.06	--	--	1.5	--	.1	--	--
W	19	1-24-63	5	6.2	22	--	34	34	--	--	.28	.08	--	--	5.0	--	.0	--	3
										ASHBY									
W	5	6- -66	25	6.2	47	64	--	--	--	--	1.1	.86	--	--	3.5	--	.1	--	--
W	14	10-27-70	5	7.4	112	--	90	90	--	--	.19	.00	--	--	2.0	--	.00	--	3
W	16	9- -69	15	6.4	12	42	--	--	--	--	3.0	.26	--	--	17.	--	.4	--	--
W	17	0- -66	10	7.2	43	80	--	--	--	--	.50	.14	--	--	8.5	--	.2	--	--
W	17	12- -66	2	7.2	44	2	--	--	--	--	.16	.02	--	--	8.5	--	.1	--	--
W	29	4- -71	25	6.4	39	40	--	--	--	--	.48	.16	--	--	15	--	.03	--	--
W	31	9- -71	5	6.1	13	12	--	--	--	--	.01	0	--	--	15	--	.1	--	--
W	32	8- -71	20	6.3	14	12	--	--	--	--	.33	.04	--	--	25	--	.2	--	--
W	33	7- -71	3	6.3	12	20	--	--	--	--	.2	.22	--	--	5.0	--		--	--
W	34	- -	10	7.1	28	--	36	36	--	--	.34	.12	--	--	1.5	--	.1	--	3
W	35	8-06-71	8	6.1	14	132	44	--	145	--	.04	.02	--	--	325	--	.09	--	--
W	35	8-27-71	10	6.0	13	146	50	--	153	--	.16	.02	--	--	325	--	1.2	--	--
W	36	6- -68	5	6.3	33	92	--	--	--	--	.15	.02	--	--	160	--	8.0	--	--
W	36	8- -68	0	6.0	28	80	--	--	--	--	.24	.16	--	--	160	--	4.5	--	--
W	38	1- -71	3	6.1	85	84	--	--	--	--	.16	.12	--	--	150	--	.8	--	--
W	40	0-19-64	20	7.1	39	--	34	34	--	--	.90	.14	--	--	2.0	--	.1	--	--
W	45	11- -70	0	6.2	30	54	--	--	--	--	.04	.00	--	--	11.	--	5.0	--	--
W	46	11- -70	0	6.4	61	46	--	--	--	--	.02	.00	--	--	9.0	--	7.3	--	--
W	47	4- -67	20	6.1	34	104	--	--	--	--	.26	.08	--	--	225	--	3.0	--	--
W	48	11- -67	0	6.1	9	74	--	--	--	--	.04	.04	--	--	104	--	.9	--	--
W	55	0- -71	15	6.1	16	34	--	--	--	--	.03	0	--	--	10	--	1.2	--	--
										AYER									
W	5	6-01-54	4	6.6	48	71	24	2.6	17	17	.00	--	--	--	20	--	2.2	--	--
W	5	2-08-60	3	6.4	36	66	21	3.2	14	14	.09	.18	14	--	11	--	5.0	--	--
W	5	2-14-61	1	6.9	34	93	30	4.2	11	11	.02	.1	14	--	9.8	--	7.7	--	--
W	5	5-15-63	2	6.6	41	72	22	4.1	14	14	.00	.32	13	--	17	--	5.1	--	--
W	5	7-26-66	4	7.5	56	61	20	2.7	20	20	.03	.60	12	18	22	--	.9	--	--
W	43	5-03-67	1	7.1	48	166	54	7.5	16	2.5			13	83	45		5.3	--	--
										BOLTON									
W	59	0- -69	0	8.7	53	58	--	--	--	--	.03	.04	--	--	2.0	--	.0	--	--
W	60	2-13-56	0	6.9	--	18	--	--	--	--	.06	.0	--	--	3.0	--	1.5	--	--
W	62	4-21-60		8.3	58	50	17	.22	3.4	--	.06	--	16	3.3	4.7	--	.03	--	--
W	114	4- -70	50	6.3	30	24	--	--	--	--	5.0	.50	--	--	2.0	--	.0	--	--
W	115	2-13-61	6	7.2	27	8	--	--	--	--	.13	.00	--	--	1.0	--	.05	--	3
W	117	2-13-61	7	7.1	29	32	--	--	--	--	.18	.00	--	--	2.0	--	.05	--	3
W	117	3-10-61	4	7.0	27	30	--	--	--	--	.04	.00	--	--	2.0	--	.05	--	3
W	121	3-13-61	3	6.8	23	28	--	--	--	--	.03	.00	--	--	1.0	--	.30	--	3
										BOYLSTON									
W	2	6-19-58	12	5.7	9	27	--	--	--	--	.80	.15	--	--	13	--	1.3	--	3
W	79	8- -70	0	6.8	28	40	--	--	--	--	.05	--	--	--	4.5	--	--	--	--
										CLINTON									
W	4	9-05-67	140	6.4	100	66	--	--	--	--	11	2.4	--	--	5.5	--	.10	--	--
W	11	0-27-61	0	6.6	22	52	--	--	--	--	.03	.0	--	--	25	--	1.0	--	3
W	12	0-27-61	15	6.3	18	48	--	--	--	--	.55	.06	--	--	13	--	.06	--	3
W	13	9-06-63	1	6.6	27	31	--	--	--	--	.02	.00	--	--	6.5	--	2.1	--	--
W	14	4-17-63	0	6.7	27	25	--	--	--	--	.07	.00	--	--	8.0	--	.26	--	--
W	18	5-10-67	18	6.6	32	69	--	--	--	--	.65	.05	--	--	26	--	--	--	--
W	19	12-04-63	0	6.6	25	38	--	--	--	--	.02	.00	--	--	7.3	--	2.1	--	--
W	23	5-09-63	0	6.7	21	26	--	--	--	--	.00	.00	--	--	5.8	--	.70	--	--
										FITCHBURG									
W	1	5-05-50	5	5.7	10	20	--	--	--	--	.09	.00	--	--	4.6	--	.34	--	3
W	4	5-08-50	5	6.1	23	47	--	--	--	--	.03	.00	--	--	8.2	--	3.0	--	3
W	9	6-29-50	2	6.3	26	31	--	--	--	--	.03	.20	--	--	7.6	--	.2	--	3
W	10	7-27-50	12	6.0	14	18	--	--	--	--	.75	.06	--	--	3.2	--	.10	--	3
W	11	6-29-50	33	6.1	20	22	--	--	--	--	1.4	.35	--	--	7.0	--	.15	--	3
W	12	6-29-50	5	6.1	20	22	--	--	--	--	.61	.50	--	--	5.6	--	.12	--	3
W	32	7-18-66	0	6.1	22	74	--	--	--	--	.12	.00	--	--	23.	--	2.4	--	--
W	38	12-01-64	0	5.3	8.4	68	--	--	--	--	.28	.08	--	--	36.	--	1.1	--	--
W	39	6-28-65	5	6.4	20	23	--	--	--	--	.42	.0	--	--	10.	--	.12	--	--
W	45	9-19-64	1	6.9	68	72	--	--	--	--	.23	.55	--	--	30.	--	.08	--	--
W	45	0-13-64	0	6.7	68	66	--	--	--	--	.09	.45	--	--	29.	--	.18	--	--
W	45	5-21-71	0	8.0	60	90	26	5.8	--	--	.8	.3	0.6	25	45.	--	.10	0	3
										GARDNER									
W	76	6-25-59	20	6.4	22	36	--	--	--	--	1.6	.10	--	--	3.0	--	.7	--	--

Table 3.--Chemical analyses of ground water (Continued)

LOCAL WELL NUMBER		DATE OF SAMPLE	COLOR	PH	ALKALINITY AS CACO3 (MG/L)	HARDNESS (MG/L)	CALCIUM (MG/L)	MAGNESIUM (MG/L)	SODIUM (MG/L)	POTASSIUM (MG/L)	IRON (MG/L)	MANGANESE (MG/L)	SILICA (MG/L)	SULFATE (MG/L)	CHLORIDE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	NITRATE (MG/L)	COPPER (MG/L)	SOURCE OF DATA
										GROTON									
W	55	- -67	0	8.0	80	94	--	--	--	--	.04	.02	--	--	10.	--	.3	--	--
										HARVARD									
W	6	2- -68	150	5.3	10	26	--	--	--	--	4.3	.32	--	--	6.5	--	--	--	--
W	16	1- -62	10	6.6	30	2	--	--	--	--	.1	0	--	--	3.5	--	0	--	--
W	20	3- -68	0	8.0	80	56	--	--	--	--	.05	.02	--	--	3.0	--	0	--	--
W	21	7- -71	40	7.3	106	72	--	--	--	--	2.3	.26	--	--	3.5	--	0	--	--
W	47	2-14-61	1	7.1	71	82	28	2.8	4.4	4.4	.06	.1	10	12	--	--	.1	--	--
W	47	5-15-63	0	6.5	44	84	28	3.4	5.1	5.1	.00	.08	14	10	4.3	--	.2	--	--
W	47	8-27-63		6.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W	47	7-26-66	3	7.9	80	92	31	3.4	5.8	5.8	.05	.30	9.0	17	4.0	--	.2	--	--
W	47	9-21-71	--	--	71	93	32	3.2	3.7	1.8	.04	.09	9.4	--	--	--	.44	--	--
W	87	2- -71	0	6.2	19	48	--	--	--	--	.02	.00	--	16	9.2	--	5.4	--	--
W	92	7- -69	0	6.4	38	70	--	--	--	--	.04	.00	--	--	18	--	.9	--	--
W	93	8- -70	10	7.0	50	46	--	--	--	--	.26	.00	--	--	5.0	--	1.7	--	--
W	100	1- -71	3	7.1	72	0	--	--	--	--	.02	0	--	--	11	--	0	--	--
W	101	0- -70	3	7.2	77	124	--	--	--	--	.01	.00	--	--	38	--	.9	--	--
W	102	3-06-58	2	6.9	83	102	32	5.4	3.7	3.7	.06	.02	11	15	6.7	--	2.1	--	--
W	102	0-24-58	2	6.7	81	98	31	5.0	4.6	4.6	.05	.02	10	16	6.2	--	1.7	--	--
W	102	2-08-60	3	7.2	80	96	30	5.0	5.8	5.8	.11	.06	10	17	5.4	--	1.7	--	--
W	102	2-14-61	2	7.2	81	94	30	4.6	5.8	5.8	.10	.1	12	16	5.5	--	1.4	--	--
W	102	6-13-63	2	7.0	89	110	33	6.6	6.2	6.2	.03	.08	11	15	12	--	1.6	--	--
W	102	7-26-66	3	7.8	100	140	46	6.1	7.6	7.6	.01	.10	12	35	14	--	.8	--	--
										HOLDEN									
W	11	6-12-40	--	6.3	--	3.5	--	--	--	--	--	--	--	0	--	--	--	--	--
W	34	9-22-42	0	--	--	--	--	--	--	--	.5	--	--	--	1.5	--	.9	--	--
W	35	12-02-46	3	7.0	29	--	--	--	--	--	--	--	--	--	6.0	--	2.2	--	--
W	46	0-04-51	60	6.5	28	30	--	--	--	--	5.6	.14	--	--	4.3	--	--	--	3
W	52	9-26-51	0	6.0	10	14	--	--	--	--	.0	.0	--	--	4.5	--	--	--	--
W	58	9-29-51	50	7.3	48	54	--	--	--	--	1.5	.0	--	--	3.0	--	--	--	3
W	63	0-10-51	0	6.3	9.5	14	--	--	--	--	.0	.0	--	--	4.3	--	--	--	3
W	65	3- -71	1	6.1	11	54	--	--	--	--	.0	.0	--	--	30	--	.5	--	--
W	65	8- -71	10	6.5	11	26	--	--	14	--	.0	.0	--	--	24	--	.5	--	--
W	65	8- -71	10	6.5	11	26	--	--	14	--	.0	.0	--	--	24	--	.5	--	--
W	66	8-06-58	0	6.3	12	17	--	--	--	--	.2	.00	--	--	4.2	--	1.6	--	3
W	67	8-06-58	0	6.5	13	14	--	--	--	--	.03	.00	--	--	2.4	--	.15	--	3
W	68	3- -71	0	6.3	10	20	--	--	--	--	.00	.00	--	--	15	--	.3	--	--
W	68	8- -71	0	6.4	12	22	--	--	7.0	--	.00	.00	--	--	16	--	.2	--	--
W	108	4- -65	0	--	--	--	--	--	--	--	2.0	--	--	--	6.1	--	.1	--	--
W	166	4- -65	0	--	--	--	--	--	--	--	--	--	--	--	7.7	--	.1	--	--
										LANCASTER									
W	9	2-18-35	0	6.3	51	36	--	--	--	--	.28	.10	--	--	1.4	--	.02	--	3
W	9	2-18-35	8	6.3	53	35	--	--	--	--	.18	.13	--	--	1.4	--	.02	--	3
W	18	1-25-63	5	6.4	16	30	--	--	--	--	.06	.02	--	--	6.0	--	.1	--	3
W	19	4-10-68	0	6.7	22	30	--	--	--	--	.04	--	--	--	3.0	--	.8	--	3
W	21	5- -62	15	6.4	137	154	--	--	--	--	.20	.50	--	--	75	--	.3	--	--
W	23	11- -70	4	7.3	171	90	--	--	--	--	.22	.00	--	--	2.0	--	.00	--	--
W	35	8-17-65	15	6.1	35	18	--	--	--	--	.95	.10	--	--	17	--	.9	--	--
W	55	- -64	59	7.2	46	83	--	--	--	--	2.6	.23	--	--	9.8	--	.03	--	--
W	55	- -69	58	7.1	62	72	--	--	--	--	1.9	0.6	--	--	19.	--	.00	--	--
										LEDMINSTER									
W	23	6-25-51	2	6.2	25	49	--	--	--	--	.02	.00	--	--	90	--	5.0	--	3
W	23	7-05-51	2	6.1	22	46	--	--	--	--	.02	.00	--	--	10	--	3.0	--	3
W	24	5-26-59	2	7.5	80	92	--	--	--	--	.08	.07	--	--	4.8	--	.42	--	3
W	24	5- -63	--	7.8	80	--	14	8.0	--	--	.05	--	--	--	14	--	.20	--	--
W	24	4-29-71	--	7.8	88	100	84	16	23	--	.01	--	--	12	23	--	--	--	--
W	85	12-20-57	0	6.5	14	16	--	--	--	--	.01	--	--	--	3.4	--	.20	--	--
W	85	12-24-57	0	6.4	11	16	--	--	--	--	.01	.03	--	--	2.2	--	.20	--	--
W	86	12-20-57	0	6.5	0	10	--	--	--	--	.02	--	--	--	3.0	--	.00	--	--
W	86	12-24-57	0	6.3	10	10	--	--	--	--	.02	.04	--	--	1.8	--	.05	--	--
W	87	12-20-57	0	6.3	10	12	--	--	--	--	.02	--	--	--	3.0	--	.10	--	--
W	87	12-24-57	0	6.1	8	12	--	--	--	--	.02	.02	--	--	1.8	--	.00	--	--
W	161	9-29-50	2	6.2	13	54	--	--	--	--	.04	.00	--	--	11	--	2.3	--	--
										LUNENBURG									
W	1	7-25-61	0	6.2	14	38	--	--	--	--	.04	.00	--	--	19	--	.30	--	3
W	1	7-28-61	5	5.9	13	28	--	--	--	--	.03	.00	--	--	16	--	.50	--	3
W	1	8-01-61	0	5.9	15	28	--	--	--	--	.02	.00	--	--	13	--	.40	--	3
W	2	12-15-70	10	6.3	--	30	--	--	--	--	0	0	--	--	--	--	10	--	--
W	3	9-15-64	0	6.3	16	19	--	--	--	--	.09	.00	--	--	7.8	--	.06	--	--
W	4	1-08-71	0	5.4	--	25	--	--	--	--	.09	.25	--	5	5.0	--	--	--	--
W	17	4- -68	0	6.1	23	48	--	--	--	--	.25	.06	--	--	10	--	4.8	--	--
W	72	6- -71	0	6.5	16	36	--	--	6.0	--	.01	.00	--	--	12	--	.1	--	--
W	72	9- -71	0	6.7	18	32	--	--	8.0	--	.01	.00	--	--	16	--	.1	--	--
W	73	9-13-45	0	6.5	21	22	--	--	--	--	.08	.00	--	--	1.2	--	.45	--	--
W	76	11- -71	0	6.6	69	68	--	--	--	--	.02	.00	--	--	22	--	8.0	--	--
W	77	12- -70	2	6.1	45	304	--	--	--	--	.07	.26	--	--	925	--	.1	--	--
W	79	4- -70	5	6.4	29	36	--	--	--	--	.23	.14	--	--	12	--	0	--	--
W	136	1-28-75	0	6.9	20	24	7.5	1.3	5.0	1.2	.05	.00	12	12	2.0	70	.0	.00	3
										PAXTON									
W	20	0- -64	0	--	--	--	--	--	--	--	--	--	--	--	--	--	.3	--	--
S	1	8-25-36	2	6.7	15	--	--	--	--	--	.15	--	--	--	2.0	--	.08	--	--
S	1	0-26-44	7	6.3	15	--	--	--	--	--	3.5	--	--	--	2.5	--	.12	--	--
S	3	6-04-52	2	6.1	13	18	--	--	--	--	.02	--	--	--	3.0	--	.12	--	--

Table 3.--Chemical analyses of ground water (Continued)

LOCAL WELL NUMBER	DATE OF SAMPLE	COLOR	PH	ALKALINITY AS CACO3 (MG/L)	HARDNESS (MG/L)	CALCIUM (MG/L)	MAGNESIUM (MG/L)	SODIUM (MG/L)	POTASSIUM (MG/L)	IRON (MG/L)	MANGANESE (MG/L)	SILICA (MG/L)	SULFATE (MG/L)	CHLORIDE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	NITRATE (MG/L)	COPPER (MG/L)	SOURCE OF DATA
PEPPERELL																		
W 24	3- -71	0	6.9	11	20	--	--	4.0	--	.06	.00	--	--	6.5	--	0.4	--	--
W 24	6- -71	15	6.8	14	20	--	--	4.0	--	.07	.02	--	--	6.5	--	.1	--	--
W 25	6-05-71	0	6.7	19	52	--	--	--	--	.03	.04	--	--	7.0	--	1.0	--	3
W 25	6-11-67	2	6.6	21	60	--	--	--	--	.03	.00	--	--	8.0	--	1.5	--	3
W 26	0-02-70	5	6.8	26	44	--	--	--	--	.02	.00	--	--	13	--	.5	--	3
PRINCETON																		
W 21	8- -65	0	7.6	9.0	--	--	--	--	--	--	--	--	--	7.6	--	.1	--	--
W 59	7- -65	0	--	--	--	--	--	--	--	--	--	--	--	20	--	.2	--	--
W 67	4- -71	5	7.0	--	--	--	--	--	--	.00	.04	--	--	--	--	5	--	--
W 68	1- -65	0	--	--	--	--	--	--	--	--	--	--	--	46	--	1.5	--	--
W 69	6- -65	0	--	--	--	--	--	--	--	--	--	--	--	26	--	.1	--	--
W 70	2- -65	0	--	--	--	--	--	--	--	--	--	--	--	22	--	4.0	--	--
S 1	9-30-63	5	6.4	7	34	--	--	--	--	.03	.02	--	--	5.0	--	0	--	3
SHIRLEY																		
W 2	7-10-51	3	6.5	17	34	--	--	--	--	.09	.00	--	--	5.8	--	2.7	--	3
W 14	4- -69	10	7.5	118	130	--	--	--	--	.17	.02	--	--	10	--	0.0	--	--
W 17	4- -68	0	6.5	54	74	--	--	--	--	.07	.10	--	--	14	--	0.1	--	--
W 18	0- -68	0	7.7	145	178	--	--	--	--	.01	.04	--	--	14	--	3.6	--	--
W 19	5- -62	10	7.7	89	80	--	--	--	--	.07	.00	--	--	1.0	--	.00	--	--
W 20	0- -70	1	6.2	37	40	--	--	--	--	.01	.00	--	--	14	--	.5	--	--
W 37	8-02-72	0	6.7	16	16	--	--	--	--	.02	.01	--	--	2.0	--	.1	--	--
W 37	7-25-72	0	7.0	23	17	--	--	--	--	.01	.00	--	--	6.0	--	.1	--	--
W 51	4- -68	45	5.6	19	40	--	--	--	--	.14	.06	--	--	27	--	.0	--	--
STERLING																		
W 9	0-18-45	42	6.3	111	--	--	--	--	--	19	--	--	--	24	--	5.0	--	--
W 10	0-18-45	5	5.4	10	--	--	--	--	--	.05	--	--	--	13	--	10	--	--
W 12	11-24-48	3	7.2	39	--	--	--	--	--	.25	--	--	--	9.6	--	1.5	--	--
W 13	9-12-46	7	7.5	84	--	--	--	--	--	.05	--	--	--	14	--	.15	--	--
W 16	0-07-70	1	5.8	--	114	--	--	--	--	.07	.68	--	--	41	--	8.0	--	3
W 16	8-03-53	12	5.7	17	58	--	--	--	--	1.8	--	--	--	9.8	--	.06	--	--
W 22	8-29-35	8	6.3	51	43	--	--	--	--	1.1	.01	--	--	6.4	--	--	--	--
W 24	7-24-35	0	7.0	38	51	--	--	--	--	.12	.00	--	--	8.6	--	1.8	--	--
W 33	1-11-38	18	6.7	53	--	--	--	--	--	1.4	--	--	--	12	--	.6	--	--
W 38	11-13-35	3	6.2	19	--	--	--	--	--	.40	--	--	--	3.2	--	.4	--	--
W 43	11-20-57	0	7.7	59	52	--	--	--	--	.03	--	--	--	3.6	--	0	--	3
W 46	6-28-61	20	6.5	331	--	--	--	--	--	.60	.00	--	--	3.5	--	.00	--	--
W 46	9-03-61	5	7.8	63	58	--	--	--	--	.05	.00	--	--	1.5	--	.00	--	--
W 50	6-08-60	3	7.9	29	52	--	--	--	--	.14	.00	--	--	7.0	--	.0	--	3
W 52	3-01-54	7	6.3	10	46	--	--	--	--	.18	.00	--	--	9.0	--	.1	--	--
W 67	2-11-55	6	8.7	164	12	--	--	--	--	.13	--	--	--	6.5	--	.1	--	3
W 85	4-03-58	4	6.3	17	43	--	--	--	--	.16	.00	--	--	15	--	1.5	--	3
W 90	4-06-54	3	6.2	13	22	--	--	--	--	.18	--	--	--	3.8	--	.25	--	3
W 102	9-09-64	1	6.5	21	38	--	--	--	--	.05	.02	--	--	6.2	--	.5	--	--
W 109	6-22-66	5	6.4	36	60	--	--	--	--	.02	.02	--	--	12	--	--	--	--
W 110	11-01-69	5	6.5	19	12	--	--	--	--	.04	.00	--	--	4.0	--	.0	--	--
S 2	2-04-59	75	6.1	22	14	--	--	--	--	.24	.21	--	--	8.6	--	0	--	--
TOWNSEND																		
W 14	0-18-57	2	7.3	43	36	--	--	--	--	.15	.00	--	--	1.6	--	.05	--	3
W 15	0-21-69	10	7.7	65	60	--	--	--	--	.03	.02	--	--	3.5	--	.2	--	3
W 40	3-24-71	0	6.8	13	16	--	--	--	--	.03	.00	--	--	2.0	--	.0	--	3
W 41	3-02-71	0	6.0	6	18	--	--	--	--	.10	.04	--	--	7.0	--	4.3	--	3
W 45	11- -61	5	6.5	40	72	--	--	--	--	.04	.02	--	--	30	--	5.0	--	--
W 56	12- -64	10	7.3	86	240	--	--	--	--	.02	.02	--	--	20	--	7.0	--	--
W 70	3- -71	0	6.3	11	12	--	--	3.5	--	.00	.00	--	--	4.5	--	.3	--	--
W 72	4-27-72	0	6.2	15	12	--	--	--	--	.01	.00	--	--	2.5	--	.2	--	3
W 72	6-07-72	0	6.7	9	18	--	--	--	--	.01	.00	--	--	2.0	--	.2	--	3
W 77	3-12-75	0		29	32	10	1.6	16	2.0	.05	.01	9.8	5	27	100	6.0	.00	
WEST BOYLSTON																		
W 4	11-23-65	7	6.3	16	17	--	--	--	--	.03	.04	--	--	9.0	--	.04	--	--
W 4	11-19-65	0	--	--	42	--	--	--	--	.00	.02	--	--	8.0	--	.2	--	--
W 4	11-22-65	3	6.3	16	17	--	--	--	--	.03	.04	--	--	9.0	--	.4	--	--
WESTMINSTER																		
W 2	8-15-61	0	5.9	4	6	--	--	--	--	.20	.00	--	--	3.5	--	.7	--	3
W 8	2-26-40	3	6.0	19	--	--	--	--	--	.15	--	--	--	3.4	--	.8	--	--
W 19	7-27-66	40	7.3	96	90	--	--	--	--	.60	.04	--	--	1.5	--	.0	--	3
W 19	- -	10	7.7	129	86	--	--	--	--	1.3	.15	--	--	1.6	--	.08	--	3
W 24	- -	0	--	--	100	--	--	--	--	20	.16	--	--	36	--	.5	--	--
W 25	11-24-30	12	--	--	19	--	--	--	--	--	--	--	--	.15	--	.0	--	--
W 42	0-29-40	2	5.8	10	--	--	--	--	--	.25	--	--	--	3.8	--	.1	--	--
W 43	0-29-40	2	5.8	8	--	--	--	--	--	.25	--	--	--	3.4	--	.1	--	--
W 44	0-29-40	5	5.8	12	--	--	--	--	--	2.1	--	--	--	4.6	--	.1	--	--
W 45	11-11-40	7	6.2	17	--	--	--	--	--	4.8	--	--	--	4.2	--	.05	--	--
W 46	- -	2	5.5	6	--	--	--	--	--	.25	.12	--	--	4.4	--	.4	--	--
W 52	7-23-69	10	6.3	15	16	--	--	--	--	1.6	.00	--	--	2.5	--	.0	--	--
W 53	1-04-54	0	6.3	16	26	--	--	--	--	.01	--	--	--	1.8	--	.4	--	3
W 58	0-24-69	5	6.1	8	20	--	--	--	--	.04	.00	--	--	5.0	--	.05	--	--
W 59	0-23-70	0	5.8	11	12	--	--	--	--	.02	.00	--	--	4.0	--	.00	--	3
W 60	0-24-70	0	6.3	16	12	--	--	--	--	.02	.00	--	--	2.0	--	.0	--	3
W 61	11-18-70	11	6.7	17	22	--	--	--	--	.11	.00	--	--	1.5	--	.0	--	3
W 83	12-30-54	2	5.8	26	40	--	--	--	--	.22	--	--	--	6.8	--	2.5	--	3
S 1	5-21-43	3	7.0	25	29	--	--	--	--	.05	--	--	--	3.2	--	1.1	--	--

Table 4.--Chemical analysis of precipitation, October 29, 1973

(Analytical results in milligrams per liter except as indicated. Analyses by U.S. Geological Survey.)

Ashby, Massachusetts, Lat 42°40'24", long 71°46'33" Middlesex County, elev. 488 ft. At weather station at Willard Brook State Forest headquarters.	
Calcium (Ca)	0
Magnesium (Mg)	.10
Sodium (Na)	.50
Potassium (K)	.10
Bicarbonate (HCO_3)	2.00
Carbonate (CO_3)	0
Sulfate (SO_4)	1.00
Chloride (Cl)	1.20
Fluoride	.10
Nitrate (NO_3)	.087
Nitrite (NO_2)	.003
Alkalinity, total as $CaCO_3$	2.000
Specific conductance (micromhos)	14
Total hardness	0
Silica	0
pH	4.7

Table 5.--Water levels in observation wells

[Water levels in feet below land-surface datum. Measured by U.S. Geological Survey.]

LEOMINSTER 11

(Well destroyed by Rt 2 construction)

Date	Water level	Date	Water level	Date	Water level
1939		1945		1951	
Oct. 31	9.21	June 30	3.55	Mar. 31	0.81
Nov. 30	7.68	July 31	3.24	Apr. 30	3.29
Dec. 31	6.25	Aug. 31	4.81	May 31	2.17
1940		Sept. 30	6.39	June 30	3.89
Feb. 12	5.69	Oct. 31	6.61	July 31	3.23
18	6.05	Nov. 30	4.10	Aug. 31	3.85
Mar. 31	3.28	Dec. 31	1.80	Sept. 30	4.90
Apr. 30	2.44	1946		Oct. 31	3.10
May 31	3.01	Feb. 2	3.37	Nov. 30	2.42
June 30	4.38	Mar. 2	2.99	Dec. 30	1.26
July 31	5.48	31	2.93	1952	
Aug. 31	7.47	May 1	3.11	Jan. 31	2.02
Sept. 30	8.17	31	2.34	Feb. 29	3.24
Oct. 31	8.60	June 30	5.05	Mar. 31	2.37
Nov. 30	4.99	July 31	6.48	Apr. 30	1.46
Dec. 26	3.22	Sept. 2	6.09	May 31	3.33
1941		30	6.80	June 30	5.26
Jan. 31	3.72	Oct. 31	5.39	July 31	7.44
Mar. 1	3.51	Nov. 30	5.67	Aug. 31	6.01
31	2.53	1947		Sept. 30	6.83
Apr. 30	4.54	Jan. 31	1.67	Oct. 31	7.58
May 31	5.45	Feb. 28	3.31	Nov. 30	6.04
June 30	6.78	Mar. 31	2.83	Dec. 31	3.91
July 31	7.61	Apr. 30	2.43	1953	
Aug. 31	8.40	May 31	3.63	Feb. 3	2.25
Sept. 30	8.86	June 30	5.01	28	2.36
Oct. 31	9.12	July 31	6.56	Apr. 1	1.55
Nov. 30	7.97	Aug. 31	7.89	30	3.06
Dec. 31	5.46	Sept. 30	7.85	May 31	3.46
1942		Oct. 31	8.63	June 30	5.85
Jan. 31	3.74	Nov. 30	4.24	July 31	7.72
Feb. 28	3.85	Dec. 31	4.24	Aug. 31	8.79
Mar. 31	2.21	1948		Sept. 30	9.55
Apr. 30	4.00	Jan. 31	4.16	Oct. 31	9.65
May 31	4.42	Feb. 29	1.76	Nov. 30	5.12
June 30	3.70	Mar. 31	2.38	Dec. 31	3.47
July 31	2.93	Apr. 30	3.47	1954	
Aug. 31	5.13	May 31	2.38	Jan. 31	3.47
Sept. 30	6.46	June 30	3.53	Feb. 28	1.87
Oct. 31	5.77	July 31	4.67	Mar. 31	2.69
Nov. 30	2.08	Aug. 31	6.87	Apr. 30	2.56
Dec. 31	1.50	Sept. 30	8.10	May 31	3.20
1943		Oct. 31	8.08	June 30	4.33
Jan. 31	3.79	Nov. 30	2.96	July 31	6.84
Feb. 28	2.18	Dec. 31	2.90	Aug. 31	7.24
Mar. 31	2.54	1949		Sept. 30	3.21
Apr. 30	2.70	Jan. 31	2.78	Oct. 31	2.31
May 31	3.25	Feb. 28	1.98	Nov. 30	1.32
June 30	5.81	Mar. 31	2.86	Dec. 31	1.21
July 31	7.29	Apr. 30	3.17	1955	
Aug. 31	7.08	May 31	3.66	Jan. 31	4.38
Sept. 30	8.07	June 30	6.85	Feb. 28	2.55
Oct. 31	4.89	July 31	8.23	Mar. 31	2.04
Nov. 30	2.57	Aug. 31	9.18	Apr. 30	1.36
Dec. 31	4.71	Sept. 30	9.30	May 31	4.89
1944		Oct. 31	9.33	June 30	4.48
Jan. 31	4.41	Nov. 30	8.77	July 31	7.14
Feb. 29	4.86	Dec. 31	6.45	Aug. 31	3.67
Mar. 31	2.73	1950		Oct. 1	3.78
Apr. 30	2.30	Jan. 31	2.86	30	2.88
May 31	4.91	Feb. 28	3.25	Nov. 30	3.27
July 1	2.98	Mar. 31	1.96	Dec. 30	e5.5
31	5.35	Apr. 30	2.53	1956	
Aug. 31	7.48	May 31	3.94	Jan. 30	e,j4.0
Sept. 30	4.64	June 30	6.36	Mar. 1	2.51
Oct. 31	5.13	July 31	7.59	30	2.60
Nov. 30	2.21	Aug. 31	8.27	Apr. 30	1.50
Dec. 31	3.28	Sept. 30	8.19	May 31	2.54
1945		Oct. 31	7.53	June 30	5.56
Jan. 31	3.80	Nov. 30	3.47	July 31	7.16
Feb. 28	1.20	Dec. 30	2.99	Aug. 30	8.25
Mar. 31	2.63	1951		Sept. 28	9.19
Apr. 30	2.29	Jan. 30	2.57	Oct. 30	8.74
May 31	3.73	Feb. 28	2.23	Nov 29	7.64

LEOMINSTER 11--Continued

Date	Water level	Date	Water level	Date	Water level
1956		1960		1963	
Dec. 31	e6.0	Mar. 31	0.88	July 30	8.35
1957		Apr. 29	2.60	Aug. 27	9.21
Jan. 30	3.03	May 31	3.49	Sept. 26	9.67
Mar. 2	2.93	June 30	5.37	Oct. 24	9.39
27	3.31	July 29	5.77	Nov. 27	4.25
Apr. 29	4.49	Aug. 31	6.60	Dec. 27	4.39
May 29	4.90	Sept. 30	4.47	1964	
June 28	6.88	Oct. 31	3.58	Jan. 28	1.87
July 30	8.65	Nov. 30	1.70	Feb. 27	3.41
Aug. 30	9.52	Dec. 29	3.50	Mar. 27	1.38
Sept. 28	9.98	1961		Apr. 24	2.45
Oct. 31	9.96	Feb. 1	3.85	May 25	5.00
Nov. 29	6.94	Mar. 1	1.35	June 29	7.48
1958		31	2.28	July 28	8.48
Jan. 1	1.57	Apr. 28	2.58	Aug. 31	9.25
30	1.25	May 31	3.56	Sept. 29	9.69
Feb. 25	2.87	June 29	5.25	Oct. 26	9.99
Mar. 27	1.00	July 31	6.02	Nov. 25	10.07
Apr. 28	1.40	Aug. 31	7.62	Dec. 24	8.40
May 28	3.54	Sept. 29	5.74	1965	
June 30	5.45	Oct. 30	6.14	Jan. 28	6.01
July 30	4.42	Nov. 30	3.39	Feb. 25	4.45
Aug. 28	5.91	Dec. 29	3.34	Mar. 22	3.18
Sept. 29	4.93	1962		Apr. 23	2.79
Oct. 31	3.83	Jan. 31	3.24	May 27	5.76
Dec. 1	2.26	Feb. 28	2.95	June 29	7.03
31	3.78	Mar. 30	1.68	July 30	8.50
1959		Apr. 27	3.74	Aug. 28	9.31
Jan. 30	3.20	May 28	4.85	Sept. 30	9.67
Feb. 27	4.50	June 27	5.71	Oct. 29	9.05
Mar. 31	2.49	July 30	7.86	Nov. 29	9.18
Apr. 30	1.49	Aug. 28	6.67	Dec. 23	7.88
May 29	4.85	Sept. 27	7.59	1966	
June 29	5.05	Oct. 26	3.58	Jan. 26	7.11
July 30	3.83	Nov. 28	3.09	Feb. 27	3.23
Aug. 31	3.91	Dec. 26	4.73	Mar. 28	2.33
Oct. 1	6.24	1963		Apr. 27	4.05
29	2.69	Jan. 29	3.75	May 27	4.10
Nov. 30	1.77	Feb. 26	3.83	June 24	5.25
1960		Mar. 27	1.04	July 25	7.73
Jan. 1	3.02	Apr. 26	3.66	Aug. 25	8.87
Feb. 3	3.50	May 27	4.41	Sept. 27	8.64
29	2.20	June 26	6.25		

STERLING 1

Date	Water level	Date	Water level	Date	Water level
1947		1949		1951	
May 2	3.14	May 3	4.28	June 29	4.34
30	3.54	July 1	8.33	July 27	4.76
June 27	4.66	29	10.39	Aug. 31	5.19
Aug. 1	7.98	Sept. 2	10.77	Sept. 28	7.59
29	10.28	30	12.81	Nov. 2	3.10
Oct. 3	10.41	Oct. 28	12.98	30	3.24
31	12.01	Dec. 2	11.64	Dec. 28	3.20
Nov. 28	4.33	30	7.19	1952	
1948		1950		Feb. 2	3.19
Jan. 1	3.58	Jan. 27	2.86	29	3.29
30	3.51	Feb. 24	3.34	Mar. 28	2.82
Feb. 27	3.29	Mar. 31	3.11	Apr. 25	3.55
Apr. 2	3.20	Apr. 28	3.23	May 30	3.09
30	3.59	June 2	3.35	June 27	5.58
May 28	3.34	30	6.35	Aug. 1	8.76
July 2	3.88	July 28	8.44	29	6.45
30	5.05	Sept. 1	10.77	Sept. 26	7.76
Sept. 3	9.21	29	11.51	Oct. 31	9.56
Oct. 1	11.27	Oct. 27	10.47	Nov. 28	6.89
29	11.89	Dec. 1	4.26	1953	
Nov. 26	4.10	29	3.53	Jan. 2	3.53
Dec. 31	3.25	1951		30	3.14
1949		Jan. 26	3.01	Feb. 27	3.13
Jan. 28	3.28	Feb. 23	2.96	Mar. 27	2.44
Feb. 25	3.19	Mar. 30	3.23	May 1	2.37
Apr. 1	3.35	Apr. 27	3.37	29	3.36
29	3.43	June 1	3.29	June 26	6.56

e estimated.
j frozen.

Table 5.--Water levels in observation wells--Continued

STERLING 1--Continued

Date	Water level	Date	Water level	Date	Water level
1953		1959		1965	
July 31	9.96	July 31	4.26	Jan. 28	5.27
1954		Aug. 28	7.83	Feb. 26	3.70
Jan. 27	3.23	Oct. 2	7.59	Mar. 22	3.14
Feb. 26	3.15	30	3.42	Apr. 23	3.08
Mar. 26	3.01	Nov. 27	3.01	May 27	4.57
Apr. 30	3.25	1960		June 28	6.73
May 28	3.22	Jan. 1	3.17	July 30	10.46
June 25	4.72	Feb. 5	3.28	Aug. 24	12.07
July 30	6.58	26	2.87	Sept. 30	13.68
Aug. 27	7.54	Apr. 1	2.46	Oct. 29	14.08
Oct. 1	3.44	29	3.02	Nov. 29	13.92
29	3.44	May 27	3.02	Dec. 23	11.80
Nov. 26	3.08	July 1	5.86	1966	
Dec. 31	3.01	29	7.67	Jan. 26	7.48
1955		Sept. 2	8.87	Feb. 27	3.15
Jan. 28	3.77	30	5.59	Mar. 24	3.00
Feb. 25	3.14	Oct. 28	4.24	Apr. 27	3.31
Apr. 1	3.01	Dec. 2	3.02	May 27	3.41
29	2.87	30	2.88	June 24	4.87
May 27	4.22	1961		July 25	8.67
June 3	4.64	Jan. 27	3.26	Aug. 25	11.49
July 27	7.54	Mar. 3	3.01	Sept. 26	12.32
Aug. 26	3.22	31	2.83	Oct. 27	11.15
Sept. 30	5.01	Apr. 28	3.04	Nov. 26	4.62
Oct. 28	3.18	May 29	3.18	Dec. 29	3.32
Dec. 2	3.24	June 30	5.08	1967	
23	3.98	July 28	6.87	Jan. 27	2.95
1956		Aug. 28	9.28	Feb. 28	3.15
Feb. 3	3.11	Sept. 29	7.88	Mar. 30	2.34
24	3.13	Oct. 28	8.44	Apr. 28	2.94
Mar. 30	3.00	Nov. 28	5.05	May 23	3.17
Apr. 27	3.06	Dec. 29	3.78	June 28	3.60
June 1	3.19	1962		July 26	3.65
29	5.37	Jan. 22	3.08	Aug. 25	7.08
July 27	8.27	Feb. 27	3.22	Sept. 29	10.37
Aug. 31	11.09	Mar. 28	2.82	Oct. 25	9.22
Sept. 28	12.25	Apr. 27	3.01	Nov. 24	6.92
Nov. 2	11.01	May 27	2.78	Dec. 26	2.95
30	9.01	June 27	4.78	1968	
Dec. 28	3.26	July 27	8.33	Jan. 29	2.95
1957		Aug. 27	9.48	Feb. 23	3.30
Feb. 1	3.18	Sept. 28	10.28	Mar. 27	2.85
Mar. 1	3.02	Oct. 27	3.22	Apr. 23	3.59
29	3.12	Nov. 27	3.18	May 22	2.34
Apr. 26	3.33	Dec. 28	3.27	June 24	3.33
May 31	4.09	1963		July 22	3.90
June 28	5.83	Jan. 28	3.08	Aug. 23	8.92
Aug. 2	10.27	Feb. 27	3.37	Sept. 25	11.49
30	11.58	Mar. 29	2.75	Oct. 25	12.58
Sept. 27	12.89	Apr. 29	3.37	Nov. 22	9.25
Oct. 25	13.56	May 29	4.04	Dec. 27	2.96
Nov. 29	6.03	June 28	6.22	1969	
Dec. 27	2.95	July 29	10.16	Jan. 24	2.73
1958		Aug. 28	12.01	Feb. 26	2.99
Jan. 31	3.01	Sept. 27	13.21	Mar. 26	1.66
Feb. 28	3.00	Oct. 28	13.57	Apr. 24	2.24
Mar. 28	2.96	Nov. 27	5.07	May 23	3.50
Apr. 25	3.12	Dec. 27	3.28	June 24	6.34
May 30	3.38	1964		July 30	10.38
June 27	4.78	Jan. 30	3.10	Aug. 27	8.87
July 25	6.31	Feb. 27	3.18	Sept. 24	9.38
Aug. 29	8.51	Mar. 31	2.96	Oct. 27	10.74
Sept. 26	7.38	Apr. 24	2.98	Nov. 24	2.94
Oct. 31	5.42	May 25	4.12	Dec. 24	2.78
Nov. 28	4.46	June 28	7.95	1970	
1959		July 28	9.48	Jan. 23	3.12
Jan. 2	3.22	Aug. 31	12.41	Feb. 20	2.89
30	2.87	Sept. 29	13.75	Mar. 25	2.66
Feb. 27	3.39	Oct. 26	14.60	Apr. 24	2.69
Mar. 27	2.88	Nov. 15	DRY	May 25	3.10
May 1	3.01	28	DRY	June 24	4.34
29	4.44	Dec. 28	13.16	July 27	7.32
July 3	5.52			Aug. 25	10.58

STERLING 1--Continued

Date	Water level	Date	Water level	Date	Water level
1970		1972		1973	
Sept. 23	11.80	Feb. 28	2.94	Aug. 27	8.75
Oct. 26	12.60	Mar. 27	2.77	Sept. 25	10.75
Nov. 23	9.97	Apr. 25	2.78	Oct. 26	12.14
Dec. 24	6.27	May 24	2.90	Nov. 27	9.66
1971		June 28	3.20	Dec. 21	3.00
Jan. 25	4.91	July 26	4.58	1974	
Feb. 23	2.70	Aug. 28	8.48	Jan. 24	2.95
Mar. 24	2.79	Sept. 26	10.35	Feb. 25	3.00
Apr. 26	3.04	Oct. 30	8.88	Mar. 26	3.02
May 21	3.01	Nov. 27	2.75	Apr. 29	3.08
June 28	5.84	Dec. 22	2.77	May 22	3.23
July 26	9.44	1973		June 27	3.29
Aug. 25	11.19	Jan. 26	2.74	July 26	7.10
Sept. 22	11.32	Feb. 23	2.87	Aug. 28	1.80
Oct. 27	11.18	Mar. 26	2.70	Sept. 27	10.35
Nov. 24	9.87	Apr. 23	3.07	Oct. 31	5.66
Dec. 23	2.96	May 24	2.86		
1972		June 26	4.59		
Jan. 26	2.85	July 27	5.56		

TOWNSEND 13

Date	Water level	Date	Water level	Date	Water level
1965		1968		1971	
Jan. 31	16.75	May 24	12.46	Sept. 24	14.33
Feb. 25	16.80	June 26	12.50	Oct. 27	14.74
Mar. 23	16.24	July 26	12.46	Nov. 29	14.98
Apr. 29	15.60	Aug. 27	13.14	Dec. 23	14.78
May 27	15.26	Sept. 25	13.70	1972	
June 29	15.31	Oct. 29	14.21	Jan. 28	14.36
July 30	15.75	Nov. 26	14.35	Feb. 25	14.04
Aug. 28	16.14	Dec. 26	13.74	Mar. 29	13.18
Sept. 30	16.52	1969		Apr. 27	11.63
Oct. 29	16.84	Jan. 28	13.60	May 24	10.77
Nov. 29	17.05	Feb. 25	13.68	June 28	11.62
Dec. 23	17.24	Mar. 26	13.51	July 28	11.73
1966		Apr. 25	11.78	Aug. 25	12.45
Jan. 26	17.41	May 27	11.73	Sept. 28	13.28
Feb. 27	17.20	June 26	12.53	Oct. 27	13.79
Mar. 24	16.60	July 30	13.30	Nov. 29	13.49
Apr. 27	15.61	Aug. 27	13.79	Dec. 28	12.84
May 25	15.05	Sept. 24	14.05	1973	
June 24	14.80	Oct. 29	14.50	Jan. 30	12.49
July 22	15.20	Nov. 26	13.85	Feb. 27	12.15
Aug. 25	15.70	Dec. 30	13.23	Mar. 28	10.97
Sept. 28	16.08	1970		Apr. 24	9.95
Oct. 21	16.26	Jan. 27	12.85	May 30	10.50
Nov. 26	16.17	Feb. 25	12.10	June 28	11.23
Dec. 29	15.94	Mar. 27	11.96	July 26	11.90
1967		Apr. 28	10.96	Aug. 29	12.81
Jan. 27	15.83	May 27	11.44	Sept. 27	13.48
Feb. 28	15.65	June 26	12.08	Oct. 30	14.14
Mar. 29	15.42	July 29	12.91	Nov. 29	14.50
Apr. 28	13.90	Aug. 27	13.63	Dec. 28	13.85
May 26	12.82	Sept. 25	14.17	1974	
June 27	12.48	Oct. 28	14.72	Jan. 29	13.24
July 28	12.66	Nov. 25	14.99	Feb. 27	12.80
Aug. 30	13.30	Dec. 29	15.15	Mar. 28	12.45
Sept. 29	14.18	1971		Apr. 26	11.93
Oct. 27	14.25	Jan. 27	15.30	May 24	12.01
Nov. 28	14.65	Feb. 25	15.25	June 27	12.63
Dec. 26	14.48	Mar. 29	14.68	July 30	13.23
1968		Apr. 28	12.85	Aug. 28	13.84
Jan. 26	14.47	May 25	11.94	Sept. 27	14.19
Feb. 21	14.40	June 25	12.47	Oct. 31	14.38
Mar. 27	13.56	July 28	13.20		
Apr. 25	12.52	Aug. 27	13.80		

Table 6.--Stream sites and discharge measurements

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
1	01094340 Whitman River	Lat 42°33'35", long 71°52'02", Worcester County, at State Highway 2A, 2.5 miles northeast of Westminster, Mass.	--	3-19-73	173
				7-30-73	7.9
				8-27-73	12
				8-29-73	11
				1-08-74	40
2	01094342 Whitman River tributary	Lat 42°33'24", long 71°52'25", Worcester County, at Depot Rd., 2 miles northeast of Westminster, Mass.	--	7-30-73	3.1
				8-27-73	1.3
				8-29-73	1.6
3	01094350 Flag Brook	Lat 42°32'07", long 71°51'01", Worcester County, at access road to Fitchburg municipal dump, 0.5 mile above Sawmill Road, 3 miles east of Westminster, Mass.	1.28	9-04-71	.62
				9-09-71	.67
				9-29-71	.64
				10-19-71	.63
				8-24-72	1.0
				9-25-72	.88
				10-06-72	.81
				9-11-73	.71
				9-13-73	.60
4	01094355 Flag Brook	Lat 42°33'31", long 71°50'42", Worcester County, 500 feet below railroad trestle, 2.5 miles southwest of Fitchburg, Mass.	--	7-30-73	7.8
				8-27-73	3.6
				8-29-73	6.0
5	01094380 Phillips Brook	Lat 42°35'28", long 71°51'41", Worcester County, at Potato Hill Rd., 4.2 miles northeast of Westminster, Mass.	--	3-19-73	69
6	01094395 Phillips Brook	Lat 42°34'33", long 71°50'19", Worcester County, 800 feet above mouth, 2 miles southwest of Fitchburg, Mass.	--	7-30-73	3.8
				8-27-73	3.4
				8-29-73	2.1
7	01094398 North Nashua River	Lat 42°34'30", long 71°50'06", Worcester County, at Depot St., 1.5 miles southwest of Fitchburg, Mass.	--	8-01-73	31
8	01094430 Falulah Brook	Lat 42°35'22", long 71°46'54", Worcester County, at Pearl St., 0.4 mile east of State Teachers College, Fitchburg, Mass.	a12.0	8-24-72	.41
				9-25-72	.84
				9-29-72	.35
				10-05-72	.83
				9-11-73	.81
				9-13-73	.37
				9-14-73	.35
				10-02-73	1.2
				10-17-73	.53

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
9	01094440 Baker Brook	Lat 42°33'41", long 71°45'56", Worcester County, at Falulah Rd., 2.5 miles southeast of Fitchburg, Mass.	--	7-30-73	2.8
				8-29-73	1.0
10	01094450 North Nashua River	Lat 42°32'32", long 71°44'47", Worcester County, at Hamilton St., North Leominster, Mass.	--	3-21-73	386
				1-08-74	170
11	01094460 Monoosnoc Brook	Lat 42°31'47", long 71°45'08", Worcester County, at Whitney St., Leominster, 2,500 feet northeast of intersection of Mechanic St. and Main St.	11.0	8-26-71	1.3
				9-27-71	1.2
				10-04-71	1.1
				10-20-71	.98
				8-24-72	3.6
				9-28-72	1.7
				10-06-72	1.4
				3-19-73	94
				7-30-73	4.2
				8-29-73	2.6
				8-31-73	2.4
				9-12-73	2.3
				9-14-73	2.0
				10-02-73	1.7
				1-08-74	10
12	01094480 Fall Brook	Lat 42°30'32", long 71°44'43", Worcester County, at Elm Hill Ave., Leominster, 2,200 feet above State Highway 117.	5.82	8-26-71	3.3
				9-27-71	6.3
				10-01-71	3.2
				10-20-71	2.7
				8-24-72	4.4
				9-28-72	7.5
				10-06-72	6.8
				3-19-73	51
				8-31-73	3.5
				9-12-73	2.7
				9-14-73	2.5
				10-02-73	2.9
				1-08-74	11
13	01094490 Fall Brook	Lat 42°30'40", long 71°44'20", Worcester County, at State Highway 117, 1.5 miles southeast of Leominster, Mass.	--	7-30-73	4.4
				8-29-73	3.8
14	01094500 North Nashua River	Lat 42°30'06", long 71°43'23", Worcester County, 1.3 miles upstream from Wekepeke Brook, 2.5 miles southeast of Leominster. Gaging station data available since September 1935 (see U.S. Geological Survey 1954, 1964, 1966-75, and 1969).	a110		

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
15	01094550 Wekepeke Brook	Lat 42°29'19", long 71°42'51", Worcester County, at State Highway 117, 3 miles northwest of Lancaster, Mass.	11.5	8-26-71	3.5
				9-28-71	3.5
				10-01-71	4.0
				10-04-71	3.3
				10-22-71	4.6
				8-23-72	4.7
				9-25-72	6.0
				10-05-72	4.7
				7-31-73	7.5
				8-01-73	8.7
				8-29-73	4.4
				9-11-73	4.1
				9-13-73	4.2
				9-14-73	4.5
				9-14-73	4.4
				9-28-84	2.9
				10-11-84	4.2
				6-05-85	7.1
				7-25-85	2.9
				8-19-85	3.3
				9-18-85	3.6
16	01094700 North Nashua River	Lat 42°28'47", long 71°41'04", Worcester County, 600 feet downstream from bridge at Ponakin Mill, 1.7 miles north of Lancaster, Mass. Water quality monitor data since October 1968: Specific conductance, dissolved oxygen, pH, and water temperature (see U.S. Geological Survey 1970-75).	a128		
17	01094720 North Nashua River	Lat 42°28'23", long 71°40'59", Worcester County, at North Main St., 1.5 miles north of Lancaster, Mass.	--	3-21-73	549
				1-08-74	240
18	01094730 North Nashua River	Lat 42°27'04", long 71°40'28", Worcester County, at Main St., 0.5 mile south of Lancaster, Mass.	--	8-02-73	106
				8-28-73	85
				8-30-73	76

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
19	01094750 Waushacum Brook	Lat 42°24'34", long 71°45'56", Worcester County, 300 feet below outlet of West Waushacum Pond, 2 miles south of Sterling, Mass.	4.98	8-26-71	.03
				10-01-71	.09
				10-20-71	.26
				8-23-72	.55
				9-27-72	1.3
				10-05-72	.69
				9-11-73	.17
				9-13-73	.13
				9-14-73	.12
20	01094760 Waushacum Brook	Lat 42°23'49", long 71°46'48", Worcester County, at Prescott St., 1.5 miles north of intersection of State Highways 12, 110, and 140, in West Boylston, Mass.	7.42	8-26-71	0.13
				10-01-71	.29
				10-20-71	.62
				8-23-72	.78
				9-27-72	1.7
				10-05-72	1.1
				3-19-73	46
				9-11-73	.48
				9-13-73	.37
				9-14-73	.37
				1-08-74	14
21	01095000 Rocky Brook	Lat 42°26'57", long 71°48'10", Worcester County, 150 feet downstream from bridge on Beaman Rd., 2.2 miles west of Sterling. Gaging station data available for October 1946 through September 1967 (see U.S. Geological Survey 1954, 1964, 1966-68, and 1969).	2.28	9-27-84	.99
				7-25-85	.20
				8-19-85	.16
				9-17-85	.19
22	01095050 Stillwater River	Lat 42°26'00", long 71°48'41", Worcester County, at State Highway 62, Moores Corners, 2.5 miles west of Sterling, Mass.	25.7	8-26-71	1.9
				9-09-71	1.7
				9-30-71	3.2
				10-20-71	5.1
				8-23-72	4.4
				9-28-72	3.9
				10-05-72	3.7
				9-11-73	2.3
				9-13-73	1.9
				9-27-84	1.8
				7-25-85	1.5
				8-19-85	4.1
				9-17-85	4.8

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
23	01095220 Stillwater River	Lat 42°24'39", long 71°47'30", Worcester County, at Muddy Pond Rd., 2.5 miles southwest of Sterling, Mass.	30.3	8-26-71	2.4
				9-09-71	3.2
				9-30-71	3.6
				10-20-71	5.6
				8-23-72	6.1
				9-28-72	5.7
				10-05-72	5.2
				3-19-73	275
				9-11-73	3.8
				9-13-73	3.5
				1-08-74	55
				9-27-84	3.1
				7-25-85	3.3
				8-19-85	5.9
				9-17-85	7
24	01095330 Quinapoxet River	Lat 42°22'50", long 71°51'23", Worcester County, at Mills St., 2 miles north of Holden Center, Mass.	21.8	8-19-71	.35
				9-28-71	.60
				10-01-71	.53
				10-19-71	.68
				8-25-72	.92
				9-27-72	.93
				10-06-72	.79
				9-12-73	1.2
				9-14-73	1.4
25	01095360 Asnebumskit Brook	Lat 42°21'40", long 71°53'05", Worcester County, at State Highway 122A, Jefferson, 1 mile west of Holden Center, Mass.	--	8-19-71	0.85
				9-28-71	.48
				10-01-71	.48
				10-19-71	.48
				8-25-72	.98
				9-25-72	.86
				9-29-72	.85
				10-06-72	.75
				9-12-73	.74
26	01095370 Asnebumskit Brook	Lat 42°22'24", long 71°51'14", Worcester County, at Mills St., 1.5 miles north of Holden Center, Mass.	--	8-19-71	2.0
				9-28-71	1.9
				10-01-71	1.7
				10-19-71	1.8
				8-25-72	3.9
				9-25-72	3.7
				9-29-72	3.1
				10-06-72	3.1
				10-02-73	2.9

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
27	01095380 Trout Brook	Lat 42°23'00", long 71°50'12", Worcester County, at Manning St., 2.2 miles north of Holden Center, Mass.	6.80	8-26-71	0.14
				9-27-71	.31
				9-29-71	.44
				10-19-71	1.1
				8-23-72	.97
				9-27-72	1.2
				10-05-72	.96
				9-11-73	.45
				9-13-73	.43
				9-14-73	.43
28	01095400 Quinapoxet River	Lat 42°23'11", long 71°48'23", Worcester County, 0.5 mile upstream from mouth, 0.6 mile west of Oakdale, Mass.	--	--	--
29	01095410 Malden Brook	Lat 42°22'53", long 71°47'45", Worcester County, at Thomas St., Oakdale, 0.5 mile south of intersection of Thomas St. and State Highway 140.	1.26	8-19-71	.53
				9-27-71	.62
				9-30-71	.46
				10-18-71	.46
				8-23-72	.93
				8-25-72	.83
				9-25-72	.83
				9-29-72	.63
				10-05-72	.59
				9-11-73	.83
				9-13-73	.66
				9-14-73	.86
30	01095430 Gates Brook	Lat 42°21'29", long 71°46'44", Worcester County, at State Highway 140, West Boylston, 0.2 mile south of intersection of State Highways 12 and 140.	2.80	8-19-71	0.41
				9-28-71	.57
				10-01-71	.51
				10-19-71	.80
				8-25-72	.52
				10-06-72	.63
				9-12-73	.60
				9-14-73	.57
31	01095500 South Branch Nashua River	Lat 42°24'12", long 71°41'19", Worcester County, at Wachusett Dam, 1 mile south of Clinton. Monthly basin runoff data furnished by Water Division of Metropolitan District Commission available since July 1896 (see U.S. Geological Survey 1954, 1964, 1966-75, 1969).	a107.69		

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
32	01095530 South Branch Nashua River	Lat 42°26'18", long 71°40'00", Worcester County, at Bolton Rd., 1 mile east of Clinton, Mass.	--	7-31-73	2.7
				8-02-73	6.2
				8-28-73	3.2
				8-30-73	2.9
33	01095520 South Branch Nashua River	Lat 42°26'18", long 71°40'54", Worcester County, at Mill St., 0.5 mile southeast of South Lancaster, Mass.	--	3-21-73	52
				7-31-73	24
				8-02-73	57
				8-28-73	19
				8-30-73	19
				1-09-74	40
34	01095840 Catacoonamug Brook	Lat 42°32'38", long 71°39'25", Middlesex County, at Lancaster Rd., Shirley, Mass., 1 mile above mouth.	19.1	9-03-71	5.6
				9-09-71	3.7
				9-29-71	4.4
				8-25-72	7.2
				10-06-72	5.3
				8-01-73	8.5
				9-26-84	5.4
				7-09-85	4.1
				9-16-85	7.6
35	01095880 Nonacoicus Brook	Lat 42°33'43", long 71°36'39", Middlesex County, 200 feet above mouth, 1.2 miles west of Ayer, Mass.	18.8	9-03-71	1.2
				9-09-71	.69
				9-29-71	1.7
				10-20-71	2.2
				8-24-72	4.1
				9-28-72	6.9
				10-05-72	3.4
				3-20-73	115
				8-28-73	6.3
				9-12-73	3.3
				9-13-73	2.9
36	01095910 Mulpus Brook	Lat 42°35'46", long 71°40'15", Worcester County, at State Highway 225, 2.2 miles east of Lunenburg, Mass.	10.4	9-03-71	1.1
				9-09-71	1.4
				9-29-71	.96
				10-21-71	1.5
				8-24-72	2.0
				10-06-72	2.0
				8-31-73	1.2
				9-12-73	1.1
				9-14-73	1.0

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
37	01095915 Mulpus Brook	Lat 42°34'26", long 71°34'43", Middlesex County, at State Highway 2A, 2.5 miles northeast of Shirley, Mass.	15.7	9-03-71	1.1
				9-09-71	1.1
				9-29-71	1.5
				10-21-71	1.9
				8-24-72	3.9
				8-24-72	4.1
				9-25-72	3.9
				10-06-72	3.0
				3-20-73	128
				8-01-73	5.4
				8-31-73	2.3
				9-12-73	2.0
				1-09-74	30
38	01095920 Nashua River	Lat 42°34'42", long 71°36'35", Middlesex County, at State Highway 2A, 1.5 miles northwest of Ayer, Mass.	--	3-21-73	1,130
				1-09-74	290
39	01095930 Willard Brook	Lat 42°40'27", long 71°46'14", Middlesex County, at State Highway 119, 1,500 feet west of intersection of State Highway 119 and Wheeler Rd., 1.5 miles west of West Townsend, Mass.	a12.3	9-04-71	1.4
				9-27-71	1.2
				10-01-71	.94
				10-22-71	1.6
				9-26-72	1.9
				10-05-72	1.5
				9-11-73	1.8
				9-13-73	1.6
40	01095940 Locke Brook	Lat 42°40'42", long 71°45'31", Middlesex County, at West Meadow Rd., West Townsend, Mass., 0.5 mile above mouth.	4.20	9-04-71	0
				10-22-71	.43
				9-02-72	b.2
				10-05-72	b.04
				9-17-85	0
41	01095950 Mason Brook	Lat 42°42'05", long 71°45'10", Middlesex County, 2,200 feet south of New Hampshire State line and 2 miles northwest of West Townsend, Mass.	9.30	9-03-71	.05
				9-27-71	.19
				10-04-71	.11
				10-22-71	.53
				8-23-72	.42
				9-26-72	.21
				10-05-72	.16
				9-11-73	.31
				9-13-73	.21
				6-10-85	1.7
				7-25-85	.18
				8-23-85	.11
				9-17-85	.43

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
42	01095960 Walker Brook	Lat 42°42'07", long 71°46'06", Middlesex County, at State Highway 124, 2 miles northwest of West Townsend, Mass.	5.83	9-03-71	0.17
				9-27-71	.10
				10-01-71	.17
				10-22-71	.65
				8-23-72	.16
				9-26-72	.25
				9-11-73	.20
				9-13-73	.15
				6-10-85	1.2
				7-25-85	.07
				8-23-85	.08
				9-17-85	.40
43	01095970 Pearl Hill Brook	Lat 42°39'40", long 71°45'13", Middlesex County, 1,800 feet below Pearl Hill Brook Pond, 1.5 miles southwest of West Townsend, Mass.	5.95	9-04-71	.94
				9-27-71	1.0
				10-01-71	.99
				10-22-71	1.4
				8-23-72	2.2
				9-26-72	2.1
				10-05-72	1.7
44	01095980 Squannacook River	Lat 42°39'45", long 71°42'33", Middlesex County, at Elm St., Townsend, Mass., 1,800 feet southwest of intersection of Main St. and Elm St.	a51.1	9-03-71	7.0
				9-27-71	6.7
				9-28-71	7.6
				10-22-71	11
				8-24-72	16
				9-26-72	12
				10-06-72	9.8
				9-12-73	10
				9-14-73	9.6
				10-02-73	9.2
				7-09-85	7
				9-17-85	8
45	01096000 Squannacook River	Lat 42°38'03", long 71°39'30", Middlesex County, 0.7 mile downstream from Trout Brook and 2.7 miles northwest of West Groton, Mass. Gaging station data since October 1949 (see U.S. Geological Survey 1954, 1964, 1966-75, and 1969).	a62.8		

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
46	01096040 Squannacook River	Lat 42°35'20", long 71°37'20", Middlesex County, 800 feet below Kittredge Rd., 3.5 miles northeast of Shirley, Mass.	--	7-31-73	29
				8-28-73	21
				8-30-73	19
47	01096050 Squannacook River	Lat 42°34'56", long 71°36'37", Middlesex County, 800 feet upstream from mouth, 1.8 miles northwest of Ayer, Mass.	--	--	--
48	01096200 James Brook	Lat 42°34'46", long 71°35'20", Middlesex County, at State Highway 111, 1.5 miles north of Ayer, Mass.	3.91	9-03-71	0.05
				9-09-71	.08
				9-29-71	.24
				10-21-71	.73
				8-24-72	.62
				9-25-72	.70
				10-06-72	.61
				8-31-73	.15
				9-12-73	.13
				9-13-73	.10
				9-14-73	.11
49	01096300 Robinson Brook	Lat 42°37'52", long 71°36'32", Middlesex County, at Shirley St., 2.5 miles southwest of Pepperell, Mass.	3.09	9-03-71	.10
				9-09-71	.12
				9-28-71	.08
				10-22-71	.18
				8-23-72	.42
				9-26-72	1.2
				8-31-73	.12
				9-11-73	.21
				9-13-73	.22
50	01096500 Nashua River	Lat 42°40'03", long 71°34'32", Middlesex County, 200 feet downstream from powerplant of Pepperell Paper Co., 700 feet downstream from Main St., East Pepperell, Mass. Gaging station data since October 1935 (see U.S. Geological Survey 1954, 1964, 1966-75, and 1969).	433		

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
51	01096502 Nissitissit River	Lat 42°42'20", long 71°37'18", Hillsborough County, N.H., 500 feet upstream from Pepperell Rd., 3 miles southwest of Hollis, N.H.	47.6	9-03-71	3.7
				9-27-71	3.2
				10-04-71	2.7
				10-21-71	7.1
				8-23-72	5.1
				9-28-72	6.7
				10-05-72	7.0
				9-11-73	6.6
				9-13-73	5.8
52	01096503 Nissitissit River	Lat 42°40'19", long 71°34'39", Middlesex County, at Canal St., Pepperell, Mass., 4,000 feet above mouth.	59.6	8-27-71	3.5
				9-27-71	4.9
				10-04-71	3.9
				10-21-71	7.6
				8-23-72	8.8
				9-28-72	11
				10-05-72	8.6
				3-22-73	303
				7-31-73	30
				8-28-73	10
				8-30-73	9.5
				9-13-73	8.5
				1-10-74	90
53	01096504 Reedy Meadow Brook	Lat 42°40'03", long 71°33'55", Middlesex County, at Lowell Rd., East Pepperell, Mass., 2,000 feet above mouth.	1.94	8-27-71	.66
				9-09-71	.46
				9-29-71	.74
				10-04-71	.58
				10-21-71	.64
				8-23-72	1.5
				9-26-72	.96
				10-05-72	.89
				8-31-73	.80
				9-13-73	.64

Table 6.--Stream sites and discharge measurements (Continued)

Map no.	Stream and U.S. Geological Survey station no.	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)
54	01096505 Unkety Brook	Lat 42°41'23", long 71°32'54", Middlesex County, at River St., 2.5 miles northeast of Pepperell, Mass.	6.84	8-27-71	.93
				9-09-71	1.1
				9-29-71	1.8
				10-04-71	1.1
				10-21-71	1.8
				8-23-72	2.7
				9-26-72	2.4
				10-05-72	2.1
				3-21-73	27
				7-31-73	3.6
				8-01-73	3.2
				8-28-73	2.3
				8-30-73	1.4
				1-10-74	6

a Net area (adjusted for diversions).
b Field estimate.

Table 7.--Chemical analyses of surface water

DATE	TIME	DIS-CHARGE, INSTAN-TANEOUS (FT^3/s)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
01094340 WHITMAN RIVER NEAR WESTMINSTER, MASS. (LAT 42 33 35N LONG 071 52 02W)										
MAR 1973										
19...	1640	173	56	5.9	5.0	10	7	3.2	0.6	5.3
JAN 1974										
08...	1245	40	69	5.7	.0	11	10	3.4	.7	6.7
01094380 PHILLIPS BROOK NEAR WESTMINSTER, MASS. (LAT 42 35 28N LONG 071 51 41W)										
MAR 1973										
19...	1550	69	54	6.3	4.0	13	11	4.5	0.5	5.8
JAN 1974										
08...	1330	e20	67	6.2	.0	10	8	3.0	.7	6.7
01094450 NORTH NASHUA RIVER AT NORTH LEOMINSTER, MASS. (LAT 42 32 32N LONG 071 44 47W)										
MAR 1973										
21...	0945	386	121	6.2	4.0	20	13	6.5	1.0	13
JAN 1974										
08...	1400	170	158	6.0	1.0	23	16	7.0	1.3	17
01094460 MONOOSNOC BROOK AT LEOMINSTER, MASS. (LAT 42 31 47N LONG 071 45 08W)										
MAR 1973										
19...	1430	94	52	6.1	5.0	10	8	3.5	0.4	5.2
JAN 1974										
08...	1440	10	133	6.5	1.0	17	12	5.4	.8	17
01094480 FALL BROOK AT LEOMINSTER, MASS. (LAT 42 30 32N LONG 071 44 43W)										
MAR 1973										
19...	1330	51	89	6.7	7.0	22	12	7.0	1.0	6.9
JAN 1974										
08...	1510	11	181	6.9	1.0	47	31	16	1.8	14
01094720 NORTH NASHUA RIVER AT N MAIN ST NR LANCASTER, MASS. (LAT 42 28 23N LONG 071 40 59W)										
MAR 1973										
21...	1100	549	114	6.5	4.0	19	12	6.0	1.0	13
JAN 1974										
08...	1550	240	153	6.3	.0	24	10	7.3	1.3	16
01094760 WAUSHACUM BROOK NEAR WEST BOYLSTON, MASS. (LAT 42 23 49N LONG 071 46 48W)										
MAR 1973										
19...	1230	46	136	6.7	6.0	30	18	9.8	1.4	14
JAN 1974										
08...	1115	14	165	6.7	.0	33	18	10	1.9	16
01095220 STILLWATER RIVER NEAR STERLING, MASS. (LAT 42 24 39N LONG 071 47 30W)										
MAR 1973										
19...	1200	275	42	6.0	3.0	11	8	3.6	0.5	3.4
JAN 1974										
08...	1045	55	60	6.3	.0	13	11	4.0	.8	4.3
01095400 QUINAPOXET R ABOVE SHAFT NO. 1, AT OAKDALE, MASS. (LAT 42 23 11N LONG 071 48 23W)										
MAR 1973										
19...	1000	450	49	6.3	3.0	11	8	3.5	0.5	4.3
JAN 1974										
08...	1030	e60	74	6.4	.0	14	9	4.3	.9	6.6
01095520 SOUTH BRANCH NASHUA RIVER AT SOUTH LANCASTER, MASS. (LAT 42 26 18N LONG 071 40 54W)										
MAR 1973										
21...	1215	52	198	7.0	6.0	34	24	10	2.1	21
JAN 1974										
09...	1015	40	156	6.7	2.0	33	13	9.3	2.3	14

See footnotes at end of table.

Table 7.--Chemical analyses of surface water (Continued)

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
01094340 WHITMAN RIVER NEAR WESTMINSTER, MASS. (LAT 42 33 35N LONG 071 52 02W)										
MAR 1973										
19...	0.7	4	3	9.5	5.5	0.1	5.0	33	--	0.20
JAN 1974										
08...	.9	1	1	8.7	11	.2	5.2	37	0.23	--
01094380 PHILLIPS BROOK NEAR WESTMINSTER, MASS. (LAT 42 35 28N LONG 071 51 41W)										
MAR 1973										
19...	0.6	2	2	7.9	8.5	0.1	4.9	35	--	0.20
JAN 1974										
08...	.8	3	2	7.5	10	.2	5.9	36	0.37	--
01094450 NORTH NASHUA RIVER AT NORTH LEOMINSTER, MASS. (LAT 42 32 32N LONG 071 44 47W)										
MAR 1973										
21...	1.7	9	7	15	19	0.2	5.6	69	--	0.50
JAN 1974										
08...	2.1	8	7	21	23	.2	6.0	82	0.61	--
01094460 MONOOSNOC BROOK AT LEOMINSTER, MASS. (LAT 42 31 47N LONG 071 45 08W)										
MAR 1973										
19...	0.5	3	2	7.7	10	0.1	5.2	35	--	0.10
JAN 1974										
08...	1.1	6	5	9.4	27	.2	5.9	70	0.28	--
01094480 FALL BROOK AT LEOMINSTER, MASS. (LAT 42 30 32N LONG 071 44 43W)										
MAR 1973										
19...	1.6	12	10	11	11	0.1	5.7	53	--	0.50
JAN 1974										
08...	2.2	19	16	14	31	.1	6.4	95	0.59	--
01094720 NORTH NASHUA RIVER AT N MAIN ST NR LANCASTER, MASS. (LAT 42 28 23N LONG 071 40 59W)										
MAR 1973										
21...	1.8	9	7	14	20	0.1	6.0	69	--	0.40
JAN 1974										
08...	2.0	17	14	18	21	.2	6.4	81	0.64	--
01094760 WAUSHACUM BROOK NEAR WEST BOYLSTON, MASS. (LAT 42 23 49N LONG 071 46 48W)										
MAR 1973										
19...	1.5	15	12	12	24	<0.1	5.2	76	--	0.20
JAN 1974										
08...	1.7	18	15	12	28	.1	4.5	83	0.24	--
01095220 STILLWATER RIVER NEAR STERLING, MASS. (LAT 42 24 39N LONG 071 47 30W)										
MAR 1973										
19...	0.7	4	3	8.0	5.5	0.1	4.6	29	--	0.20
JAN 1974										
08...	.9	3	2	8.6	6.9	.2	6.3	33	0.44	--
01095400 QUINAPOXET R ABOVE SHAFT NO. 1, AT OAKDALE, MASS. (LAT 42 23 11N LONG 071 48 23W)										
MAR 1973										
19...	0.8	4	3	8.1	8.2	<0.1	4.6	33	--	0.20
JAN 1974										
08...	1.0	6	5	10	11	<.1	5.7	42	0.29	--
01095520 SOUTH BRANCH NASHUA RIVER AT SOUTH LANCASTER, MASS. (LAT 42 26 18N LONG 071 40 54W)										
MAR 1973										
21...	2.2	12	10	14	33	0.2	7.0	110	--	2.30
JAN 1974										
09...	2.4	24	20	14	22	.4	5.9	82	1.86	--

See footnotes at end of table.

Table 7.--Chemical analyses of surface water (Continued)

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
01094340 WHITMAN RIVER NEAR WESTMINSTER, MASS. (LAT 42 33 35N LONG 071 52 02W)										
MAR 1973 19...	--	0.005	--	--	--	0.07	0.66	0.018	260	120
JAN 1974 08...	<0.01	--	0.23	--	--	--	--	--	390	150
01094380 PHILLIPS BROOK NEAR WESTMINSTER, MASS. (LAT 42 35 28N LONG 071 51 41W)										
MAR 1973 19...	--	0.007	--	--	--	0.07	0.44	0.011	160	70
JAN 1974 08...	0.01	--	0.38	--	--	--	--	--	230	60
01094450 NORTH NASHUA RIVER AT NORTH LEOMINSTER, MASS. (LAT 42 32 32N LONG 071 44 47W)										
MAR 1973 21...	--	0.025	--	--	--	0.39	0.76	0.27	530	110
JAN 1974 08...	0.01	--	0.62	--	0.88	--	--	--	870	140
01094460 MONOOSNOC BROOK AT LEOMINSTER, MASS. (LAT 42 31 47N LONG 071 45 08W)										
MAR 1973 19...	--	0.004	--	--	--	0.06	0.11	0.046	250	120
JAN 1974 08...	0.01		0.29	--	--	--	--	--	250	110
01094480 FALL BROOK AT LEOMINSTER, MASS. (LAT 42 30 32N LONG 071 44 43W)										
MAR 1973 19...	--	0.01	--	--	--	0.07	0.26	0.024	400	90
JAN 1974 08...	0.01	--	0.60	--	--	--	--	--	320	90
01094720 NORTH NASHUA RIVER AT N MAIN ST NR LANCASTER, MASS. (LAT 42 28 23N LONG 071 40 59W)										
MAR 1973 21...	--	0.045	--	--	--	0.20	0.35	0.19	590	110
JAN 1974 08...	0.01	--	0.65	--	1.30	--	--	--	870	130
01094760 WAUSHACUM BROOK NEAR WEST BOYLSTON, MASS. (LAT 42 23 49N LONG 071 46 48W)										
MAR 1973 19...	--	0.005	--	--	--	0.09	0.23	0.007	90	<10
JAN 1974 08...	<0.01	--	0.24	--	--	--	--	--	100	20
01095220 STILLWATER RIVER NEAR STERLING, MASS. (LAT 42 24 39N LONG 071 47 30W)										
MAR 1973 19...	--	0.004	--	--	--	0.06	0.09	0.011	110	20
JAN 1974 08...	<0.01	--	0.44	--	--	--	--	--	80	30
01095400 QUINAPOXET R ABOVE SHAFT NO. 1, AT OAKDALE, MASS. (LAT 42 23 11N LONG 071 48 23W)										
MAR 1973 19...	--	0.004	--	--	--	0.10	0.17	0.013	170	40
JAN 1974 08...	0.01	--	0.30	--	--	--	--	--	160	30
01095520 SOUTH BRANCH NASHUA RIVER AT SOUTH LANCASTER, MASS. (LAT 42 26 18N LONG 071 40 54W)										
MAR 1973 21...	--	0.005	--	--	--	0.10	0.97	0.52	610	220
JAN 1974 09...	0.24	--	2.10	--	--	--	--	--	500	170

See footnotes at end of table.

Table 7.--Chemical analyses of surface water (Continued)

DATE	TIME	DISCHARGE, INSTANTANEOUS (FT^3/s)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
01095880 NONACOICUS BROOK NEAR AYER, MASS. (LAT 42 33 43N LONG 071 36 39W)										
MAR 1973										
20...	1530	115	125	6.6	5.0	28	16	8.8	1.4	13
JAN 1974										
09...	1415	e30	148	6.8	.0	30	17	9.0	1.8	15
01095915 MULPUS BROOK NEAR SHIRLEY, MASS. (LAT 42 34 26N LONG 071 34 43W)										
MAR 1973										
20...	1630	128	89	6.5	4.0	17	10	5.5	0.9	9.6
JAN 1974										
09...	1310	30	100	6.4	.0	18	12	5.1	1.3	10
01095920 NASHUA RIVER NEAR AYER, MASS. (LAT 42 34 42N LONG 071 36 35W)										
MAR 1973										
21...	1415	1130	116	6.5	5.0	23	13	7.5	1.1	12
JAN 1974										
09...	1250	290	157	6.4	.0	29	14	8.7	1.8	16
01096050 SQUANNACOOK RIVER NEAR SHIRLEY, MASS. (LAT 42 34 56N LONG 071 36 37W)										
MAR 1973										
20...	1700	e600	50	6.3	4.0	9	7	2.8	0.5	5.3
JAN 1974										
09...	1150	e150	74	6.4	.0	13	7	3.9	.8	7.1
01096500 NASHUA RIVER AT EAST PEPPERELL, MASS. (LAT 42 40 03N LONG 071 34 32W)										
MAR 1973										
21...	1520	1720	112	6.5	6.0	20	9	6.5	1.0	13
JAN 1974										
10...	1030	330	132	6.5	1.0	25	12	7.5	1.6	13
01096503 NISSITISSIT RIVER AT PEPPERELL, MASS. (LAT 42 40 19N LONG 071 34 39W)										
MAR 1973										
22...	1015	303	52	6.9	2.0	16	9	4.9	0.8	4.5
JAN 1974										
10...	1045	90	63	6.6	.0	16	8	4.4	1.1	4.7
01096505 UNKETY BROOK NEAR PEPPERELL, MASS. (LAT 42 41 23N LONG 071 32 54W)										
MAR 1973										
21...	1630	27	62	6.5	4.0	21	13	7.0	0.8	3.7
JAN 1974										
10...	1150	6.0	88	6.6	.0	26	15	8.2	1.3	4.9

See footnotes at end of table.

Table 7.--Chemical analyses of surface water (Continued)

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
01095880 NONACOICUS BROOK NEAR AYER, MASS. (LAT 42 33 43N LONG 071 36 39W)										
MAR 1973										
20...	1.2	15	12	11	21	0.1	2.5	67	--	0.20
JAN 1974										
09...	1.3	16	13	13	24	.2	3.2	75	0.20	--
01095915 MULPUS BROOK NEAR SHIRLEY, MASS. (LAT 42 34 26N LONG 071 34 43W)										
MAR 1973										
20...	1.0	8	7	9.5	15	<0.1	4.4	51	--	0.20
JAN 1974										
09...	1.0	7	6	9.8	16	.1	4.8	52	0.19	--
01095920 NASHUA RIVER NEAR AYER, MASS. (LAT 42 34 42N LONG 071 36 35W)										
MAR 1973										
21...	1.5	12	10	14	18	0.1	5.7	69	--	0.70
JAN 1974										
09...	2.0	18	15	16	23	.2	6.4	83	1.29	--
01096050 SQUANNACOOK RIVER NEAR SHIRLEY, MASS. (LAT 42 34 56N LONG 071 36 37W)										
MAR 1973										
20...	0.6	3	2	7.2	8.0	0.1	5.3	32	--	0.20
JAN 1974										
09...	.9	7	6	8.1	9.9	.1	7.1	41	0.34	--
01096500 NASHUA RIVER AT EAST PEPPERELL, MASS. (LAT 42 40 03N LONG 071 34 32W)										
MAR 1973										
21...	1.4	14	11	15	16	0.3	6.0	70	--	0.80
JAN 1974										
10...	1.6	16	13	13	19	.2	6.4	70	0.96	--
01096503 NISSITISSIT RIVER AT PEPPERELL, MASS. (LAT 42 40 19N LONG 071 34 39W)										
MAR 1973										
22...	0.5	8	7	7.7	7.9	0.1	5.5	37	--	0.20
JAN 1974										
10...	.6	10	8	7.6	6.9	.2	6.5	37	0.27	--
01096505 UNKETY BROOK NEAR PEPPERELL, MASS. (LAT 42 41 23N LONG 071 32 54W)										
MAR 1973										
21...	1.1	10	8	11	7.0	<0.1	6.1	42	--	0.10
JAN 1974										
10...	1.3	13	11	14	8.0	.1	10	54	0.33	--

See footnotes at end of table.

Table 7.--Chemical analyses of surface water (Continued)

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
01095880 NONACOICUS BROOK NEAR AYER, MASS. (LAT 42 33 43N LONG 071 36 39W)										
MAR 1973										
20...	--	0.007	--		--	0.08	0.82	0.014	210	30
JAN 1974										
09...	0.01	--	0.21	--	--	--	--	--	230	60
01095915 MULPUS BROOK NEAR SHIRLEY, MASS. (LAT 42 34 26N LONG 071 34 43W)										
MAR 1973										
20...	--	0.008	--	--	--	0.07	0.62	0.006	130	20
JAN 1974										
09...	0.01	--	0.20	--	--	--	--	--	80	40
01095920 NASHUA RIVER NEAR AYER, MASS. (LAT 42 34 42N LONG 071 36 35W)										
MAR 1973										
21...	--	0.003	--	--	--	0.08	0.65	0.18	460	100
JAN 1974										
09...	0.01	--	1.30	--	--	--	--	--	600	150
01096050 SQUANNACOOK RIVER NEAR SHIRLEY, MASS. (LAT 42 34 56N LONG 071 36 37W)										
MAR 1973										
20...	--	0.007	--	--	--	0.10	0.2	0.017	110	40
JAN 1974										
09...	0.01	--	0.35	--	0.49	--	--	--	170	80
01096500 NASHUA RIVER AT EAST PEPPERELL, MASS. (LAT 42 40 03N LONG 071 34 32W)										
MAR 1973										
21...	--	0.004	--	--	--	0.12	0.86	2.20	470	100
JAN 1974										
10...	0.04	--	1.00	--	--	--	--	--	500	130
01096503 NISSITISSIT RIVER AT PEPPERELL, MASS. (LAT 42 40 19N LONG 071 34 39W)										
MAR 1973										
22...	--	0.005	--	--	--	0.08	0.11	0.005	110	20
JAN 1974										
10...	0.01	--	0.28	--	--	--	--	--	120	40
01096505 UNKETY BROOK NEAR PEPPERELL, MASS. (LAT 42 41 23N LONG 071 32 54W)										
MAR 1973										
21...	--	0.007	--	--	--	0.06	0.21	0.013	160	<10
JAN 1974										
10...	0.01	--	0.34	--	--	--	--	--	190	30

e Estimated value.
< Actual value is known to be less than the value shown.

Table 8.—Hydrologic-data reports for Massachusetts

An asterisk indicates that the report is out of print but may be consulted at the offices of the U.S. Geological Survey, 10 Causeway Street, Boston, Massachusetts, and at many public and educational institution libraries.

*1 Wilmington-Reading area, by John A. Baker and Edward A. Sammel, 1961, 50 p., 2 figs. Covers an area of about 43 square miles in the upper part of the Ipswich River basin in northeastern Massachusetts.

*2 Lower Ipswich River basin, by Edward A. Sammel and John A. Baker, 1962, 47 p., 2 figs. Covers an area of about 110 square miles in northeastern Massachusetts.

*3 Lowell area, by John A. Baker and Richard G. Petersen, 1962, 28 p., 2 figs. Covers an area of about 115 square miles and includes most of the metropolitan area of the City of Lowell.

*4 Parker and Rowley River basins, by Edward A. Sammel, 1962, 33 p., 2 figs. The rivers drain an area of about 77 square miles in northeastern Massachusetts.

*5 Brockton-Pembroke area, by Richard G. Petersen, 1962, 46 p., 2 figs. Covers an area of about 112 square miles in the northern part of Plymouth County.

*6 Western Massachusetts, by Richard G. Petersen and Anthony Maevsky, 1962, 21 p., 1 fig. Covers an area of about 2,865 square miles and includes all of Berkshire, Franklin, Hampshire, and Hampden Counties.

*7 Southeastern Massachusetts, by Anthony Maevsky and Janet A. Drake, 1963, 55 p., 2 figs. Covers an area of about 1,930 square miles and includes all of Barnstable, Bristol, Dukes, Nantucket, and Plymouth Counties (exclusive of the Brockton-Pembroke Area).

*8 Assabet River basin, by Samuel J. Pollock and William B. Fleck, 1964, 45 p., 1 pl. Covers an area of approximately 177 square miles and includes parts of Middlesex and Worcester Counties.

*9 Housatonic River basin, by Ralph F. Norvitch and Mary E. S. Lamb, 1966, 50 p., 1 pl. Covers an area of about 530 square miles in the upper part of the basin, which is north of the Connecticut-Massachusetts State line.

*10 Northern part, Ten Mile and Taunton River basins, by John R. Williams and Richard E. Willey, 1967, 56 p., 1 pl., 1 fig. Covers an area of about 195 square miles within Bristol, Norfolk, and Plymouth Counties.

*11 Millers River basin, by Donald R. Wiesnet and William B. Fleck, 1967, 29 p., 1 pl., 1 fig. Covers an area of about 392 square miles within Franklin and Worcester Counties, Massachusetts, and Hillsborough and Cheshire Counties, New Hampshire.

*12 Taunton River basin, by John R. Williams and Richard E. Willey, 1970, 102 p., 1 pl., 1 fig. Covers an area of about 528 square miles in Bristol, Norfolk, and Plymouth Counties.

*13 Deerfield River basin, by Bruce P. Hansen, Frederick B. Gay, and L. G. Toler, 1973, 59 p., 1 fig., 1 pl. Covers an area of 348 square miles in northwestern Massachusetts.

*14 Neponset and Weymouth River basins, by R. A. Brackley, William B. Fleck, and Richard E. Willey, 1973, 51 p., 1 fig., 1 pl. Covers an area of 183 square miles in eastern Massachusetts south of Boston.

Table 8.--Hydrologic-data reports for Massachusetts (Continued)

*15 Hoosic River basin, by Bruce P. Hansen, Frederick B. Gay, and L. G. Toler, 1974, 33 p., 1 pl., 1 fig. Covers an area of 164 square miles in northwestern Massachusetts.

*16 Weir River, Hingham, to Jones River, Kingston, by John R. Williams, Richard E. Willey, and Gary D. Tasker, 1975, 63 p., 1 pl., 1 fig. Principal basins covered are those of Weir River, James Brook, Bound Brook, North River, South River, and Jones River.

*17 Ground-water levels in Massachusetts, 1936-74, by Anthony Maevsky, 1976, 107 p., 2 figs. Documents both short-term and long-term ground-water-level trends in typical hydrologic situations and different geographic areas of the Commonwealth.

*18 Plymouth to Weweantic River, Wareham, by John R. Williams, Gary D. Tasker, and Richard E. Willey, 1977, 31 p., 1 pl., 1 fig. Principal basins are Town Brook, Eel River, and Beaverdam Brook, all draining to Cape Cod Bay; Herring Brook draining to the Cape Cod Canal; and Red Brook, Agawam River, Wankinco River, and Weweantic River, all draining to Buzzards Bay.

*19 Charles River basin, by Eugene H. Walker, William W. Caswell, and S. William Wandle, Jr., 1977, 53 p., 1 pl., 1 fig. Covers an area of about 300 square miles of eastern and southeastern Massachusetts within the counties of Middlesex, Norfolk, Suffolk, and Worcester.

*20 Northwest Shore of Buzzards Bay, by John R. Williams, Richard E. Willey, and Gary D. Tasker, 1980, 30 p., 1 pl. Principal drainage basins are Sipican River, Aucoot Brook, Mattapoisett River, Acushnet River, and Paskamansett River.

21 Coastal drainage basins of northeastern Massachusetts, from Castle Neck River, Ipswich, to Mystic River, Boston, by David F. Delaney and Frederick B. Gay, 1980, 40 p., 1 pl. Principal streams are the Annisquam, Castle Neck, Danvers, Essex, Mystic, and Saugus Rivers, which flow into Ipswich and Massachusetts Bays.

22 Shawsheen River basin by David F. Delaney and Frederick B. Gay, 1981, 22 p., 1 pl. Principal tributaries are Content, Elm, Heath, Hussey, Kiln, Rogers, Spring, Strong Water, Vine and Webb Brooks.

23 Lake Cochituate drainage basin, Framingham-Natick, Massachusetts, by Frederick B. Gay, 1981, 61 p., 1 pl. Covers 17.7 square miles above the outlet of Lake Cochituate which includes Beaverdam, Course, Pegan, and Snake Brooks, and Fisk Pond.

24 Lower Merrimack River basin, from Concord River, Lowell, to Plum Island, Newburyport, by David F. Delaney and Frederick B. Gay, 1981, 34 p., 1 pl. Principal tributaries are Bare Meadow, Bartlett, Cobbler Creek, Fish, Richardson, and Trull Brooks, Artichoke, East Meadow, Indian, Little, Powwow, and Spicket Rivers, and Johnson Creek. The Blackwater River basin is included in the report.

25 Southeastern Massachusetts, Narragansett Bay, and Rhode Island Sound, by Richard E. Willey, John R. Williams, and Gary D. Tasker, 1983, 42 p., 1 pl. Principal drainage basins are those of the East and West Branches of the Westport River which empty into Rhode Island Sound and of the Lee, Cole, Kickamuit, Palmer, and Runnins Rivers draining to Narragansett Bay. The area includes a small part of the Tenmile River basin not included in previous reports.

26 Ground-water and pond levels, Cape Cod, Massachusetts, 1950-82, by Diane F. Letty, 1984, 81 p. Contains water-level measurements from a network of 68 observation wells and pond levels for 10 ponds located throughout Cape Cod.

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