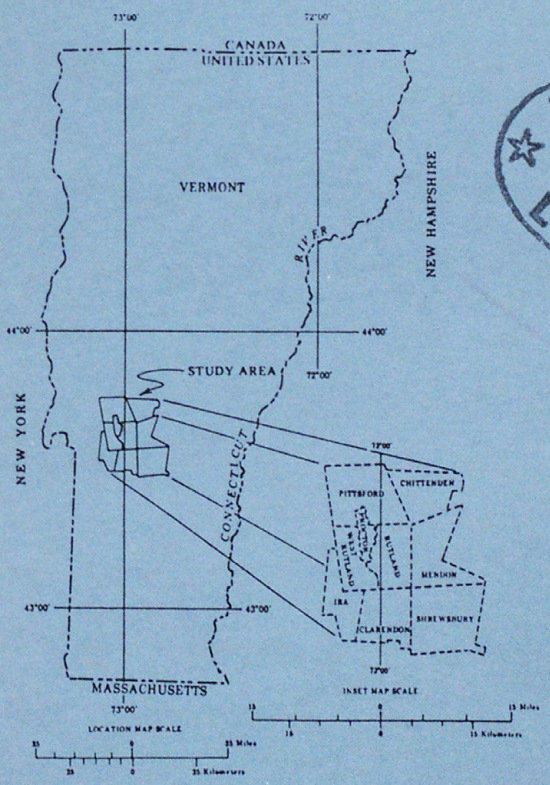
GROUND-WATER RESOURCES OF THE RUTLAND AREA, VERMONT

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations 82-4057



Prepared in cooperation with the

STATE OF VERMONT
AGENCY OF ENVIRONMENTAL CONSERVATION

DEPARTMENT OF WATER RESOURCES AND
ENVIRONMENTAL ENGINEERING

GROUND-WATER RESOURCES OF THE RUTLAND AREA, VERMONT

By Richard E. Willey

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and

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State of Vermont

Agency of Environmental Conservation

Department of Water Resources and
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JAMES G. WATT, Secretary

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Dallas L. Peck, Director

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GROUND-WATER RESOURCES OF THE RUTLAND AREA, VERMONT

By Richard E. Willey and David Butterfield

ABSTRACT

Ground water in the Rutland area occurs both in the bedrock and the overlying unconsolidated glacial deposits. The bedrock is a series of metamorphic and igneous rocks. Water from wells drilled in bedrock can be obtained in sufficient quantities for domestic use nearly anywhere in the area. The median well yield for four bedrock hydrogeologic units ranged from 2 to 7 gallons per minute.

Unconsolidated deposits in the Rutland area include till, clay, silt, sand, and gravel. The major valleys contain water-saturated sand and gravel deposits of high permeability that are capable of yielding more than 200 gallons per minute to wells.

Chemical analyses of water from 72 wells indicate that 29 percent contain one or more constituents that exceed the limits recommended by the U.S. Environmental Protection Agency (1977, 1978) for public drinking water supplies. The most common problem constituents are iron and manganese. 'n addition, elevated levels of chloride and nitrate suggest that 65 percent of the sampled sources have had some water-quality deterioration.

INTRODUCTION

Purpose of Investigation

This report describes the ground-water resources in the vicinity of Rutland and is part of a program of hydrologic investigations by the U.S. Geological Survey in cooperation with the State of Vermont, Agency of Environmental Conservation, Department of Water Resources and Environmental Engineering. The purpose of the study was to determine the location and potential yield of the unconsolidated water-bearing deposits, evaluate the yield of the bedrock aquifers, and characterize ground-water quality. This information may be used in planning, developing, managing, and protecting ground-water resources.

Location and Extent of Area

The 272 mi^2 study area, which encompasses all or part of 10 municipalities including Rutland, the second largest city in Vermont, is in Rutland County in the southwest-central part of the State (fig. 1). About 60 percent of the area's population lives in Rutland city. Another 13 percent lives in the villages of Pittsford, Proctor, and West Rutland. Suburban and rural populations constitute the remaining 27 percent. Public water systems, both municipally and privately owned, serve about 80 percent of the population. Surface-water sources supply 65 percent of those served.

The principal physiographic features are a central north-south trending valley bounded on the east by the Green Mountains and on the west by the Taconic range. Approximately 85 percent of the area is drained by Otter Creek which flows north to Lake Champlain. Ten percent is drained by the Castleton River, which also flows to Lake Champlain, and the remaining 5 percent is drained by the Ottauquechee River, a tributary to the Connecticut River.

The area's geographic location has historically made it a transportation center. U.S. Route 7 is the major north-south highway in the western part of the State, and U.S. Route 4 is one of the principal east-west highways providing access to the major ski areas in the Green Mountains.

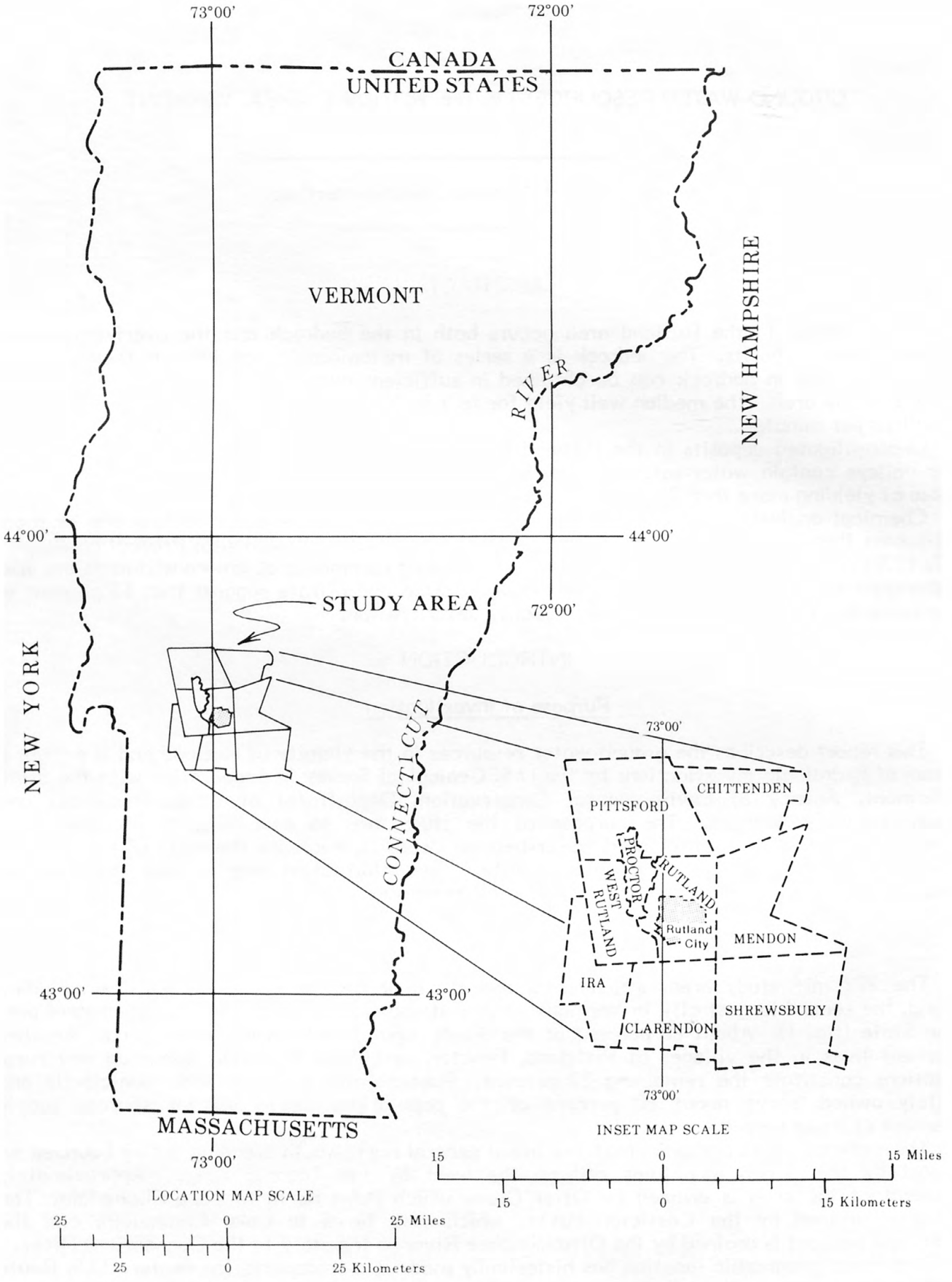

Figure 1.--Location of study area

Previous Investigations

The bedrock geology has been mapped, with parts being done by Fowler (1950), Brace (1953), Zen (1964) and Shumaker and Thompson (1967). Burt (1931) reported on the ocher. An overview of the bedrock and surficial geology is contained in maps and reports of the entire State by Doll and others (1961), and Stewart and MacClintock (1969, 1970) respectively. Reconnaissances of the ground-water resources have been written by Hodges (1967) and Stewart (1972).

Methods of Investigation

Major emphasis was placed on collecting and analyzing subsurface and water-quality information. Publications describing the geology, hydrology, and soils were reviewed, and additional field mapping was done. The locations of more than 900 wells and borings were obtained (table 6). Most of the wells were drilled into bedrock, and drillers' logs (table 7) indicated the character and thickness of the unconsolidated deposits, and the nature and yield of the bedrock aquifers. Chemical quality of water (table 8) from 71 wells was analyzed. Aerial photographs were interpreted to assist in mapping surficial deposits and bedrock fracture traces. Seismic-refraction data were obtained at 51 locations, and 12 test holes were drilled in the unconsolidated deposits.

Acknowledgments

The assistance of numerous individuals and agencies has greatly facilitated this investigation. The authors express their thanks to the many private individuals and corporate and public officials who aided in locating of wells and borings and who permitted various tests. The Vermont Department of Health provided water-quality records, and students at Norwich University surveyed the water quality of the Rutland area. Special thanks are given those water well drillers who provided information through their State well reports.

Stratigraphic nomenclature used in this report is that of the Vermont Geological Survey and does not necessarily follow the usage of the U.S Geological Survey.

BEDROCK GEOLOGY

Based on mapping by Brace (1953), Fowler (1950), Shumaker and Thompson (1967), and Zen (1964), the bedrock formations have been combined into four bedrock hydrogeologic units (pl. 1) each having a distinct assemblage of rock types. Hydrogeologic unit A is composed primarily of gneiss and schist, with major occurrences of quartzite and minor carbonate, conglomerate, and graywacke. These Precambrian and Cambrian rocks represent a part of the Green Mountain geomorphic province (Jacobs, 1950) and occupy nearly all of the Towns of Chittenden, Mendon, and Shrewsbury. These rocks also form some of the positive relief features in Pittsford, Rutland, and Clarendon. Included in this unit are igneous intrusive rocks of the White Mountain Series of former usage (Doll and others, 1961) found in the Cuttingsville section of Shrewsbury. Units B and C occupy all or parts of Pittsford, Proctor, West Rutland, Rutland city and town, Ira, and Clarendon. The boundaries of these units together conform generally with the Vermont Valley province as mapped by Jacobs (1950). Unit B is composed mainly of Cambrian quartzite, phyllite, and schist, with some dolomite and minor amounts of sandstone and conglomerate. Unit C is primarily Cambrian and Ordovician carbonate rocks (limestone, dolomite, and marble) with minor amounts of silicious dolomite, dolomitic sandstone, and phyllitic quartzite. The west side of the study area contains unit D (the Taconic Mountain Province of Jacobs, 1950), which is composed mainly of slate and phyllite, with minor amounts of quartzite and carbonate.

Major faults and geologic structures trend north-south. Formation bedding is roughly parallel to these faults and commonly dips moderately to steeply. Jointing immediately southwest of Ira and Clarendon is reported to be approximately east-west, dipping steeply to the north or to the south (Shumaker and Thompson, 1967). Fowler (1950) found no systematic orientation of joints in the section west of 73° long. that he mapped, but reported that they dipped generally more than 45°. Brace (1953) did not study the joints systematically; however, he did indicate east-west tension fractures in the competent beds of the Vermont Valley.

Well drillers reported ocherlike material in 23 wells, and the material has been reported along the entire length of the Vermont Valley. Commerically valuable deposits of ocher (Burt, 1931), commonly associated with kaolin (Jacobs, 1927), were mined in the Rutland area during the last century and the early part of this century. Burt (1931) considered a true ocher to be kaolin impregnated with iron oxides, but indicated that all gradations from white kaolin to iron-oxide impregnated sand are present and may occur in formations dating from the Precambrian to the Pleistocene. The drillers' term "ocher" refers to almost any yellow-, orange-, red-, or brown-colored silty, clayey material within the unconsolidated sediments, at the interface of the unconsolidated and consolidated rock, or in weathered zones within the bedrock. Drillers' reports, therefore, are insufficiently detailed to indicate a correlation between ocher and ground-water quality or quantity. Extensive thicknesses of ocher, however, can significantly increase the cost of well drilling (wells CLW-3, MFW-61).

GEOHYDROLOGY OF BEDROCK UNITS

About 80 percent of the wells inventoried terminate in the bedrock aquifers (table 6). Collectively, these aquifers constitute a major source of water for individual domestic, commercial, or public supplies.

The bedrock formations are either igneous or metamorphic and have little or no primary porosity. Pore space that may have once existed is now filled with mineral matter. Water occurrence and movement within these rocks depends on the presence and degree of interconnection of fractures, which provide secondary porosity and permeability. The geometry and frequency of these fractures is related to the lithology of the individual rock formations and the tectonic history of the area. The number and degree of interconnection of water-bearing fractures decrease with increasing depth primarily because pressure from overlying rock.

Reported yields of bedrock wells range from less than 0.1 gal/min to 150 gal/min (table 1). The median yield for bedrock wells is 6 gal/min. Sufficient quantities of water for domestic use may be obtained from bedrock wells nearly anywhere in the study area. However, domestic supplies from wells yielding 2 gal/min or less, (25 percent of all bedrock wells reported) may require a large storage tank to sustain delivery during peak water use. Abandonment of bedrock wells because of insufficient yield is rare (less than 1.5 percent, according to drillers' records). Not all unsuccessful wells are reported, but probably no more than 5 percent of the bedrock wells drilled in the area yield insufficient water for household needs.

Table 1.--Summary of bedrock well statistics

	Wells inventoried	Flowing wells	Abandoned wells[1/]	Yield, in gallons per minute		Length of open hole, in feet	
				Median	Range[2/]	Median	Range
Chittenden	45	8	1	5	Z- 30	119	12-279
Clarendon	102	7	--	6	0.5-100	134	7-595
Ira	25	1	1	2	Z- 60	174	10-545
Mendon	48	--	--	5	.5- 40	152	10-489
Pittsford	78	6	1	4	Z- 60	126	15-602
Proctor	8	--	--	2	.5- 12	--	33-386
Rutland City	1	--	--	--	100	--	60
Rutland Town	152	8	2	9	Z-150	104	2-977
Shrewsbury	68	4	--	5	.2-150	124	14-378
West Rutland	25	1	1	2	Z- 40	258	30-677
All municipalities	552	35	6	6	Z-150	128	2-977

[1/] Wells abandoned because of insufficient yield.

[2/] Z, well yield less than 0.1 gallon per minute.

The finished well in bedrock is commonly composed of two parts: Casing set on sound bedrock, which seals off the overburden, and the open hole below the casing, which intercepts sufficient water-bearing fractures for a satisfactory yield and provides some storage.

Overburden includes the unconsolidated deposits which vary in grain size from clay to boulders, and the highly weathered portion of bedrock. When saturated, the overburden functions as a storage reservoir that gradually yields water to the underlying bedrock aquifer. Where these unconsolidated deposits are thin or missing, yields of bedrock wells are generally less than where the deposits are thick (pl. 4). The median yield of bedrock wells having 25 feet or less of casing (approximately equal to overburden thickness) is 3 gal/min. The median yield of wells having 26 to 75 feet of casing is 6 gal/min; those having 76 to 100 feet, 10 gal/min; and those having 101 to 150 feet, 15 gal/min. However, for wells having more than 150 feet of casing, the median yield is 6 gal/min. Wells having more than 150 feet of casing are nearly all in rock, which is overlain by thick layers of silt and clay that do not readily transmit water. Although the median yield (6 gal/min) of wells having more than 150 feet of casing is less than half that of the wells having 101 feet to 150 feet of casing (15 gal/min), it is still twice that of wells having 25 feet or less of casing (3 gal/min).

The usual practice in drilling bedrock wells, once the casing is set, is to continue drilling below the casing until enough water to satisfy the customer's needs is obtained. The reported length of open hole ranges from 2 feet to 977 feet (table 1), and the median length of open hole is 128 feet (table 1). Most wells (75 percent) are satisfactorily completed with less than 200 feet of open hole (fig. 2). If the yield of wells having less than about 200 feet of open hole is inadequate or marginal, then drilling is usually continued, with the expectation of obtaining more water with increasing depth. Actually, as shown in figure 3, the frequency of higher yields and the median yields of wells reported decrease with increasing lengths of open hole. This is a result of the general decrease in number of water-bearing fractures with increasing depth. Based on experience, drillers commonly recommend drilling deeper if the yield is insufficient until about 300 feet of total depth is reached. If yield is insufficient at 300 feet, they will commonly recommend drilling another hole in a different location. Figure 3 and table 2 summarize the relationships of median yields with casing depths and lengths of open hole.

The thickness of overburden can vary significantly over short distances. Depth to bedrock in two wells at the State Police facility and highway garage (RTW-6, RTW-7, pl. 4) in Rutland, about 200 feet apart, differs by 78 feet. The length of well casing can be estimated from the thickness of unconsolidated deposits map (pl. 4).

Within individual towns, differences in median well yields and median lengths of open hole (table 3) can be related to the bedrock hydrogeologic units shown on plate 1. Hydrogeologic unit D (composed mainly of slate and phyllite) has the lowest median well yield (2 gal/min) and, as a unit, the longest median length of open hole (189 feet). Wells drilled in this unit are generally deeper and yield less water because fractures in shale and phyllite are sparse and are smaller and less likely to remain open than those in the massive and competent rocks (carbonate, quartzite, and gneiss) of the other hydrogeologic units. Hydrogeologic units B (mostly quartzite and phyllite) and C (carbonate) have the highest median yields to wells, especially in the Towns of Clarendon and Rutland. Unit B also has the greatest variation in median yield. In Pittsford, the median yield of this unit is 3 gal/min, but, in Rutland, it is 10 gal/min. Areally, hydrogeologic unit A (primarily gneiss, schist, and quartzite) shows the most consistency, with a median yield of 5 gal/min.

Five hundred fifty-two bedrock wells were inventoried in the study area. Twenty-five percent of these wells yielded 2 gal/min or less, and 25 percent yielded 15 gal/min or more.

These wells are plotted on plate 1 to show the distribution of low- and high-yielding wells. Hydrogeologic unit D has the largest percentage of wells yielding 2 gal/min or less. Units B and C, east of Otter Creek in the Towns of Rutland and Clarendon, have the largest number of wells yielding 15 gal/min or more. Small clusters of individual wells yield more than 15 gal/min in several scattered areas. Some of these clusters show a roughly east-west orientation which coincides with the strike of joints and fractures (Brace, 1953; Shumaker and Thompson, 1967).

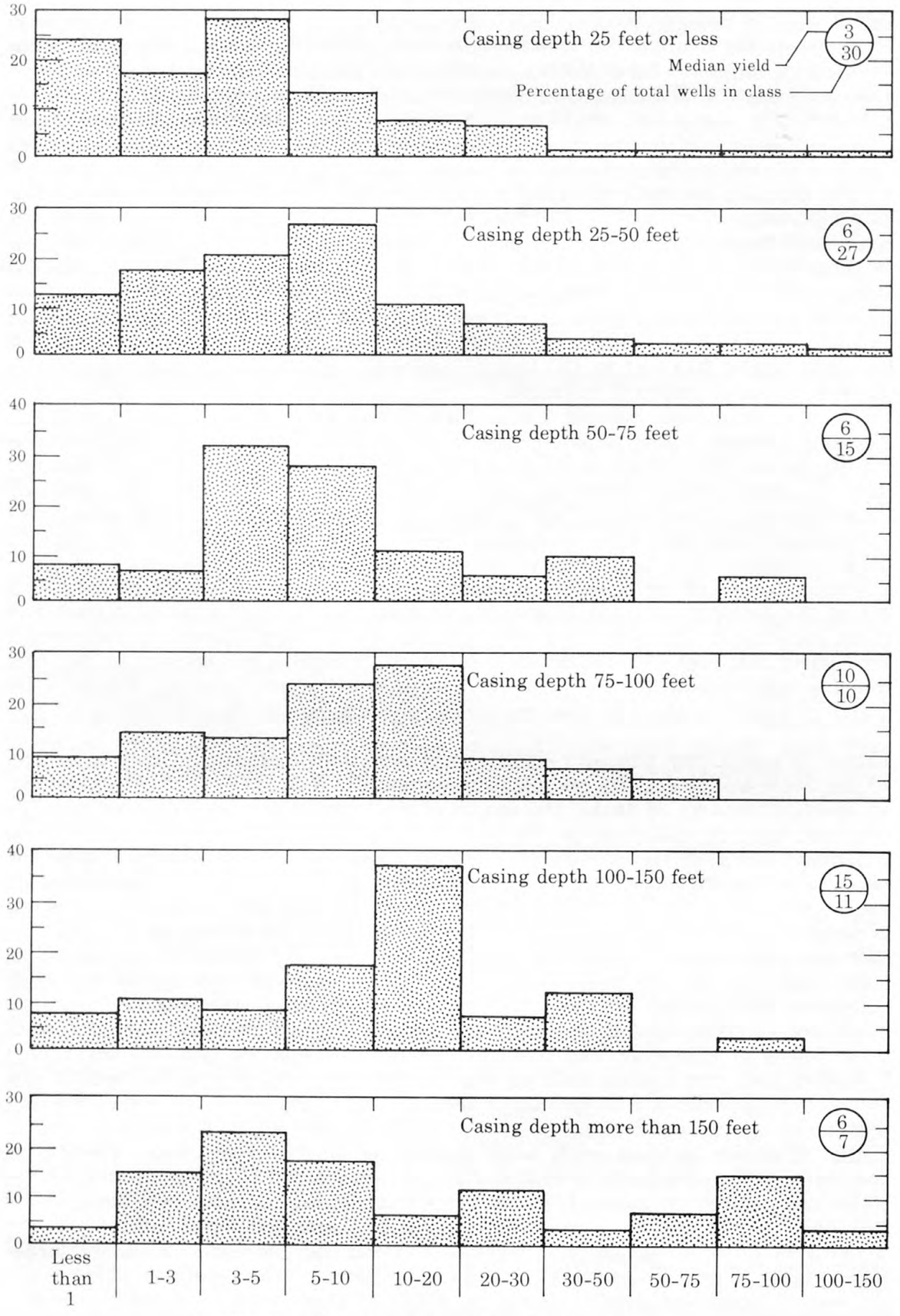

Figure 2.--Histograms of bedrock well yields for selected casing depths.

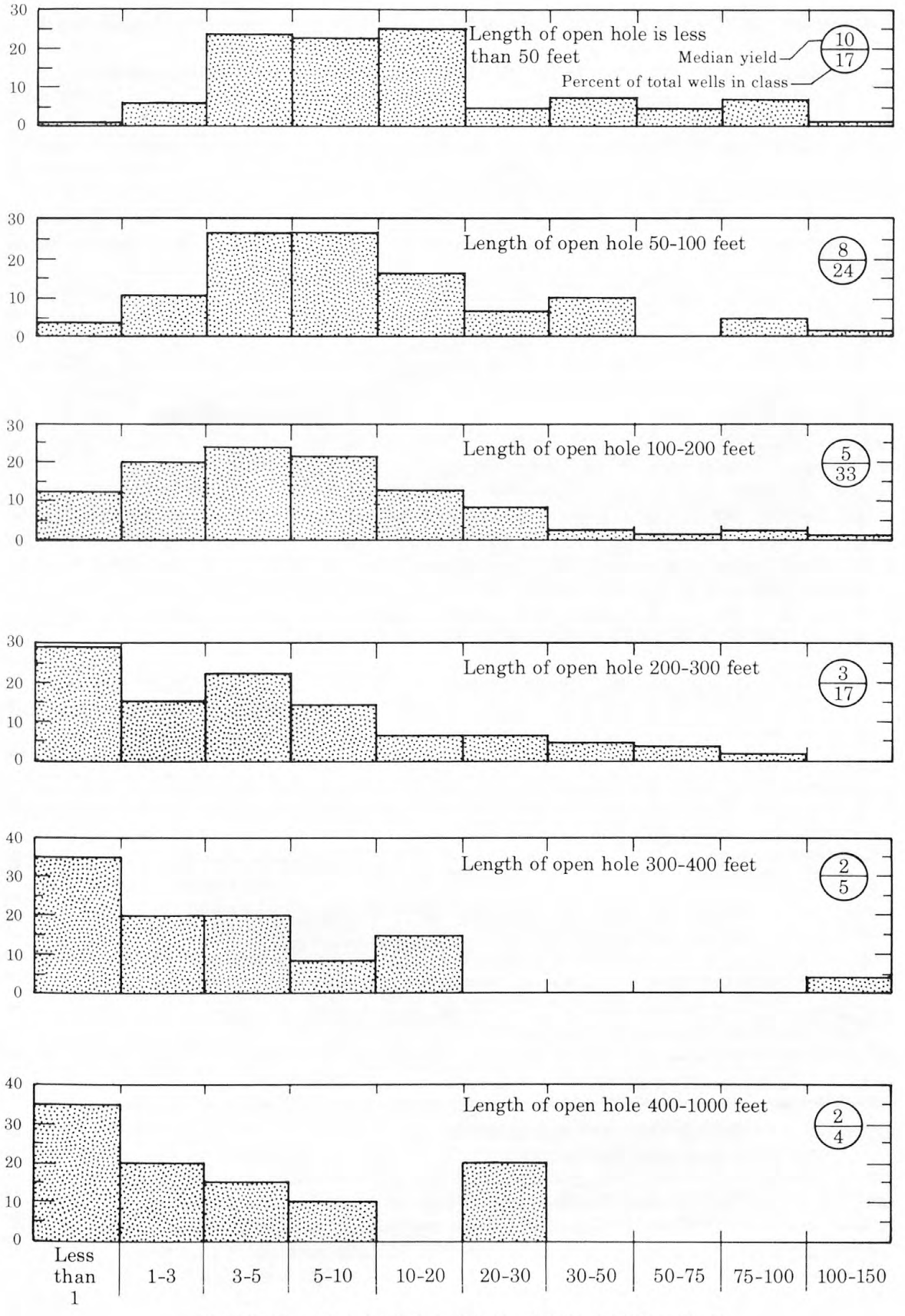

Figure 3.--Histograms of bedrock well yields for selected lengths of open hole

Table 2.--Bedrock well yield for selected casing depth and length of open hole

(M, median yield--not calculated if less than seven wells; R, range in yield; N, number of wells; Z, less than 0.1 gal/min.)

Length of open hole, in feet		Depth cased, in feet					
		25 or less	25 - 50	50 - 75	75 - 100	100 - 150	150 or more
50 or less	M	--	10	6	10	12	18
	R	4 - 30	2 - 51	3 - 100	1.5 - 60	1 - 100	3 - 150
	N	5	9	14	19	27	20
50 - 100	M	6	6	7	8	16	6
	R	0.8 - 100	1 - 100	1 - 100	3 - 30	1.5 - 100	2 - 97
	N	28	34	24	9	18	10
100 - 200	M	4	6	6	10	5	2
	R	0.2 - 150	0.8 - 100	1 - 100	0.8 - 50	1 - 25	0.5 - 40
	N	61	54	28	16	7	8
200 - 300	M	3	4	6	--	--	--
	R	Z - 75	Z - 100	0.8 - 50	1.5 - 60	1 - 20	25
	N	39	31	11	3	5	1
300 - 400	M	1	3	--	--	--	--
	R	0.1 - 150	0.2 - 10	--	0.5 - 12	8 - 15	--
	N	11	7	--	3	4	--
400 or more	M	2	--	--	--	--	--
	R	Z - 30	Z - .5	1 - 30	5	0.5 - 30	3
	N	13	3	3	1	2	1

Table 3.--Median bedrock well yield and length of open hole by hydrogeologic unit

Hydrogeologic unit	Lithology	Median yield, in gallons per minute	Median length of open hole, in feet
Unit A	Primarily gneiss, schist, and quartzite	5	130
Unit B	Mostly quartzite and phyllite	6	120
Unit C	Carbonate	7	130
Unit D	Mostly slate and phyllite	2	189

Studies in other areas (Hodges and others, 1976a, 1976b; Stewart and MacClintock, 1970) have shown a correspondence between high-yielding wells and fracture traces. Work in Pennsylvania (Johnston, 1970) also indicates that fracture-trace mapping is useful for identifying areas where yields of bedrock wells are higher than average.

Fracture traces are evident on topographic maps and aerial photographs. They are most evident at higher elevations, but can commonly be projected to the lower slopes and valleys, where they are masked by glacial overburden.

Other features that can influence bedrock well yields are contacts between bedrock formations and solution channels. In well RTW-61 (plate 2), which yields 25 gal/min, the driller noted (table 6) that all the water entered the well at the contact of the marble (hydrogeologic unit C) and the overlying slate or shale (hydrogeologic unit D). Solution channels in the carbonate rocks (hydrogeologic unit C) of the Vermont Valley, some large enough to be considered caves, may be oriented coincidentally with bedding planes or jointing (Dale, 1912). A cluster of bedrock wells of high yields in the northeast part of Rutland town (RTW-127 to RTW-159, plate 2) may tap solution channels near the bedrock surface.

Fine-grained sediment in well water from carbonate formations (pl. 1, bedrock hydrogeologic unit C) can diminish the esthetic quality of the water and possibly shorten the life of the pumping equipment. In some places (wells RTW 21, 83, 150), the problem may be alleviated by filling the well bore with "peastone," "mason's sand," or coarse sand to a point above the level where the fine sediment is entering, and then installing a low capacity pump at a shallow depth. This allows water to enter the well throughout the length of uncased hole while holding back the fine-grained sediment; however, the pumping rate must be reduced significantly to prevent heaving of the fill material. Sloughing of cobble size and larger pieces of rock from the sides of the open hole can be a problem in slate formations (pl. 1, bedrock hydrogeologic unit D).

GEOHYDROLOGY OF UNCONSOLIDATED DEPOSITS

Unconsolidated deposits that overlie bedrock are composed primarily of sediments transported and deposited directly by glaciers, glacial meltwater streams and lakes, or reworked glacial sediments deposited along the valley floors as alluvium. Drillers' logs of wells and borings are given in table 7. Materials in the unconsolidated deposits range in size from clay and silt to boulders in excess of 10 feet in diameter. The total thickness of these deposits ranges from 0 to more than 350 feet (Stewart, 1972).

Till, the most common type of unconsolidated deposit, crops out extensively (pl. 3) and probably underlies nearly all the stratified deposits as well. Two general types of till have been described by Stewart and MacClintock (1969): A basal till, which is a compact unsorted to poorly sorted mixture of silt and sand with gravel, cobbles, and clay; and an ablation till, which is less compacted and sandier than basal till, and may exhibit some stratification resulting from winnowing of fine materials and transport by running water.

Glacial meltwater streams transported, sorted, and subsequently deposited large quantities of rock and soil debris in a variety of forms throughout the area (pl. 3). Streams flowing along the melting ice margins produced stratified predominantly medium- to coarse-grained ice-contact deposits (mapped as kame terrace and kame moraine by Stewart and MacClintock, 1970). The most extensive of these deposits extends in an almost unbroken line from Chittenden Reservoir southward along the west flank of the Green Mountain front to a point south of Mill River in Clarendon. Other major but less extensive coarse-grained deposits occur in the major tributary valleys of Otter Creek, and the Castleton and Clarendon Rivers. Sediment laden streams flowing from the glacier produced patches of coarse-grained deposits in the form of outwash plains, such as those along East Creek, just south of Prospect Hill in Rutland town, in the Whipple Hollow section of Pittsford and West Rutland, and along the Cold River in Shrewsbury. As the glacial meltwater streams entered standing water, the coarser materials settled out, and deltas were formed. These deposits lie on the east edge of the present Otter Creek flood plain, west of Eddy Pond in Rutland town, at the Village of North Clarendon, and at the Village of Clarendon. Present day flood plains along the main stems of Otter Creek, Clarendon River, and Castleton River contain primarily fine-grained sediments (fine sand, silt, and clay) from former glacial lakes or postglacial alluvium and swamp deposits.

Water fills the pore space between grains of unconsolidated sediment below the water table. In general, well-sorted coarse-grained deposits have the highest hydraulic conductivities (the rate at which water flows through the material) and provide the highest yields to wells. Poorly sorted or fine-grained deposits with low hydraulic conductivities yield considerably less water to wells and are generally not considered aquifers.

The long term sustainable yield of an aquifer is limited largely by the quantity of water in storage and the rate of recharge. The quantity of water in storage is determined by the areal extent, saturated thickness, and porosity of the aquifer. Aquifer delineation by lithology and approximate minimum saturated thickness (pl. 3) was derived from the surficial geology, records of water wells and test borings, and seismic information. Estimates of the total thickness of unconsolidated deposits are shown in plate 2.

Till

Large-diameter dug wells in till are commonly used for domestic purposes. The large storage capacity within the well bore, compared with that of small-diameter wells, compensates for the low hydraulic conductivity of the aquifer material. Wells in ablation till commonly yield more water than wells in basal till because ablation till has a loose sandy texture and correspondingly higher hydraulic conductivity. Because wells in till are generally shallow and located on hillsides, where water-table fluctuations are greatest, they are more liable to go dry or to decline in yield than wells in other aquifers during periods of little or no rainfall.

Fine-Grained Stratified Deposits

Lake bottom sediments and littoral sediments of glacial age and Holocene alluvial and swamp deposits predominate along the valley floors in much of the area. These deposits are composed chiefly of fine sand, silt, and clay (pl. 3) and have a low yield potential because of low hydraulic conductivity. Lenses of coarse-grained materials within these fine-grained deposits may yield sufficient quantities of water for domestic and some commercial supplies (well PFW-41, table 7). Although these fine-grained deposits may not readily yield water to wells, they store large quantities of water, which is available for recharging adjacent surface-water bodies and underlying aquifers.

Sand and Gravel

Sand and gravel deposits, where saturated thickness is sufficient and recharge is available, have the greatest potential in the study area (pl. 3). The most extensive sand and gravel aquifer lies along the west side of the Green Mountain front. This, and other coarse-grained deposits having a saturated thickness of more than 20 feet, are capable of yielding more than 200 gal/min, which is sufficient to meet many commercial, industrial, or municipal needs. Currently, two large-capacity wells (PRW-1 and WVW-1) and some domestic wells tap these deposits, but their full potential remains unrealized. Saturated fine sand to gravel deposits, 20 feet or more in thickness and capable of yielding between 50 and 200 gal/min, underlie areas in every town in the study area. These aquifers are commonly in proximity to hamlets or housing subdivisions and could provide enough water to satisfy small public-supply or light industrial demands.

CHEMICAL QUALITY OF GROUND WATER

Records of chemical analyses of ground water were obtained from the Vermont Department of Health. Table 4 contains a summary of selected water-quality parameters, and table 8 contains chemical analyses of water from 72 wells. Chemical analysis of ground water is available for only 3 percent of the supplies in the study area. These analyses provide a general description of the chemical quality of the water, indicating that it is generally good for domestic uses. Elevated levels of iron, manganese, nitrate, sodium, chloride, and hardness are considered more of a nuisance than a health problem. Additional data would be needed to describe chemical quality variations attributable to individual hydrogeologic units.

Table 4.--Summary of statistics for selected water-quality parameters (Data sources: Vermont Department of Health, Norwich University, U.S. Geological Survey, U.S. Public Health Service.)

		Wells in unconsolidated deposits				Wells in bedrock			
	Recommended limit[1] (mg/L)	Median (mg/L)	Range (mg/L)	Number exceeding limit	Number reporting	Median (mg/L)	Range (mg/L)	Number exceeding limit	Number reporting
Iron (Fe)	0.30	0.10	0.00- 1.0	4	18	0.07	0.00- 8.6	8	32
Manganese (Mn)	.05	.03	.00- 2.8	5	18	.01	.00- .33	6	32
Sodium (Na)	--	3.3	1-120	--	17	4.0	1-240	--	30
Chloride (Cl)	250	4.9	0-180	0	29	4.0	0-700	4	42
Nitrate (NO_3 as N)	[2]10	.7	0- 5.1	0	29	.95	0- 9	0	31
Hardness	--	136	26-250	--	27	180	38-400	--	42

[1]U.S. Environmental Protection Agency (1977).

[2]Maximum level established by the Environmental Protection Agency (1978).

Iron and manganese are commonly the most troublesome constituents in the ground water of Vermont (table 8) and in much of New England (McGuinness, 1963). These elements are not considered to be harmful to health, but can cause staining of plumbing fixtures and laundry even at low concentrations (greater than 0.3 mg/L). The local ground waters contain iron and manganese as a result of weathering of bedrock and overburden materials. Iron sulfide is common in the slate and phyllite (bedrock hydrogeologic unit D, pl. 1). Acid and reducing conditions are associated with the decay of organic matter in bogs, and acid rainfall may also produce a hydrologic environment that favors solution of these elements. In addition, leachates from waste-disposal sites or sewage can elevate levels of iron and manganese.

Chloride levels are naturally low throughout Vermont. Jackson (1905) reported chloride levels in the surface waters of Vermont to be between 0.2 and 1.0 mg/L. Motts and Saines (1969) reported that surface-water and ground-water chloride levels in northwestern Massachusetts were less than 1 mg/L in the year 1890, and data from Hall (1975) indicate that ground-water chloride levels for areas along the Connecticut River in New Hampshire were between 0.4 and 4.1 mg/L from 1918 to 1924. Background chloride levels in the Rutland area were probably less than 5 mg/L. Background sodium levels were probably also low. Elevated levels of sodium or chloride can result from human activities. Chloride concentrations of 700 and 300 mg/L have been recorded in water from two wells near deicing salt-storage piles (CMW-97 and MFW-43). Wells downgradient from septic-waste facilities or from heavily salted roads may also have high levels of sodium and chloride. Chloride concentrations exceeded the recommended maximum limit of 250 mg/L in four wells (table 4). Sodium has no recommended maximum limit. However, sodium in concentrations above 20 mg/L renders the water unsuitable for drinking by people needing a "very restricted sodium diet" (U.S. Environmental Protection Agency, 1977). This level was exceeded in water from 9 of the 47 wells reported in table 8.

Background nitrate level was probably about 0.2 mg/L as nitrogen. (Kenneth Stone, Vermont Health Department, oral commun., 1977). Twenty-nine of the fifty analyses had a nitrate level two or more times this level, but none of those shown in table 8 exceed the maximum level of 10 mg/L as nitrogen, established by the U.S. Environmental Protection Agency (1978). Among the possible sources of elevated nitrate level are domestic and agricultural waste products, fertilizers, and industrial wastes.

Hardness, a term applied to the soap-consuming capacity of water, is largely determined by the concentration of calcium and magnesium and is expressed as calcium carbonate ($CaCO_3$). Nearly all the bedrock hydrologic units and glacial overburden contain calcium and magnesium carbonate minerals. In the 69 samples analyzed, hardness ranged from 26 mg/L to 500 mg/L. About 70 percent of the samples were classified hard or very hard in the rating system described by Durfor and Becker (1964, p. 27).

Descriptive rating	Hardness range as $CaCO_3$ (mg/L)
Soft	0-60
Moderately hard	60-120
Hard	120-180
Very hard	180 or more

WATER SUPPLY

Estimated water use, excluding hydroelectric use, is in excess of 5.5 Mgal/d. Of this quantity, 76 percent comes from surface-water sources (table 5). The Rutland city water system supplies more than 4 Mgal/d to 55 percent of the area's population and most of the area's commercial and industrial facilities. This represents 72 percent of the total water use and 95 percent of the surface-water use. Beyond the service area of the Rutland municipal supply, more than half the water used is self supplied, and 86 percent is from ground water. Publicly owned water-supply systems provide water to the larger villages, whereas numerous privately owned systems service individual subdivisions and mobil home parks. Low population densities and ready availability of ground water make self supply advantageous for homes in the remaining rural areas.

Table 5.--Estimated water use, 1980

Municipality	1980 population[1]	Public-supply systems[2]	Public-supply source[3]	Estimated water use, in thousands of gallons per day[4]		
				Self-supplied ground water	Public-supply ground water	Public-supply surface water
Chittenden	863			86.3	--	--
Clarendon	2,260	C. Grover, trailer court	W-32	221.5	4.5	--
		Coburn Trailer Park	W-144			
		Rogers Mobil Park	W-76			
		Terrace Hills	S-1			
		do.	W-95			
		Timber Lake Village	W-36			
Ira	373			37.3	--	--
Mendon	986	East Mountain Water Corp.	W-67	77.9	20.7	--
		Eastridge Acres	S-1			
		do.	W-63			
		Mendon Farms	W-64			
Pittsford	2,602	Pittsford Water Dept.	springs[5]	59.8	200.4	--
		Florence (Fox's Spring)	S-1			
Proctor	2,130	Proctor Water Dept.	stream[6]	8.6	102.2	102.2
		do.	W-1			
Rutland city	19,100	Rutland Water Dept.	stream[7]	--	--	4,020

Table 5.--Estimated water use, 1980 (continued)

Municipality	1980 population[1]	Public-supply systems[2]	Public-supply source[3]	Estimated water use, in thousands of gallons per day[4]		
				Self-supplied ground water	Public-supply ground water	Public-supply surface water
Rutland town	2,920	Center Rutland FD No. 1	W-236	233.6	58.4	(8)
		Center Rutland FD No. 1 (Barrett Hill Spring)	S-2			
		Center Rutland FD No. 1 (Johnson Spring)	S-5			
		Colonial Estates	W-244			
		Countryside Estates	W-242			
		Flory System	S-1			
		Gleason Road development	W-244			
		Green Acres	W-229			
		do.	W-230			
		do.	W-231			
		do.	W-243			
		Green Mountain Homes	W-214			
		Killington Heights	W-241			
		Mountain View Estates	W-239			
		do.	W-240			
		Pico Villa	W-174			
		Rocky Ridge	W-213			
		Sunset Acres	W-237			
Shrewsbury	794	Cuttingsville (Stewart system)	S-1	68.3	11.1	--
West Rutland	2,590			20.8	119.1	119.1
		Fire District No. 1	W-1			
		do.	pond[9]			
Totals	34,618			814.1	516.4	4,241.3

1/ Vermont State Planning Office, 1978, p. 61.
2/ Vermont Health Department files, Burlington, Vt.; Vermont Public Service Board files, Montpelier, Vt.; U.S. Geological Survey files, Montpelier, Vt.
3/ Locations of springs (S) and wells (W) shown on plate 2. Additional well data in tables 1, 5, and 7.
4/ Water-use estimates based on 1980 population and assumed per capita demand of 100 gallons per day. Water-use figure for Rutland city from Malcolm Pirnie, Inc., 1974, p. 16. Additional data on file at U.S. Geological Survey, Montpelier, Vt.
5/ "Walker Springs" and "Sand Springs" located in Chittenden, north of study area.
6/ Surface-water intakes on Kiln Brook and Furnace Brook located in Chittenden, north of study area.
7/ Surface-water intake on Mendon Brook about 200 feet downstream from Meadow Lake Drive in the town of Mendon.
8/ Rutland town has contracted to purchase up to 500,000 gallons of water per day from Rutland city for commercial and industrial demands (Malcolm Pirnie, Inc., 1974, p. 15).
9/ Surface-water impoundment located about 1.5 miles south-southwest of intersection of Vermont Route 133 and U.S. Route 4A.

SUMMARY

Sufficient quantities of water for agricultural and domestic use can be obtained from bedrock wells nearly anywhere in the Rutland area. Records of 552 bedrock wells indicate that less than 1.5 percent were abandoned because of insufficient yield. Bedrock well yields are governed by the number, and degree of interconnection, of secondary openings intersected by the well bore. The median yield of bedrock wells inventoried was 6 gal/min, and the median length of open hole was 128 feet. The median yield of wells tapping predominantly carbonate rocks is 7 gal/min, and that of predominantly slate or phyllite wells was 2 gal/min. However, the median well yield for any one formation varies considerably from town to town. For example, the median yield for the Winooski Dolomite in Pittsford is 3 gal/min, whereas, that in Rutland town is 27 gal/min.

Water-saturated sand and gravel deposits capable of yielding more than 200 gal/min to individual wells occupy the larger valleys in eight of the Rutland municipalities. These aquifers occur primarily in ice-contact deposits, the most extensive of which lie along the west flanks of the Green Mountain front. The probable yields to wells from these sand and gravel aquifers and other stratified deposits are given on plate 3, which can be used in exploration and testing programs.

Chemical analyses of ground water from 72 sources were used to evaluate ground-water quality. Analyses indicate that 29 percent of these sources contain one or more constituents that exceed the recommended U.S. Environmental Protection Agency (1977, 1978) limits for drinking water supplies. The most common problem constituents are iron and manganese, which normally can be controlled by treatment. In addition, the data suggest that, on the basis of elevated levels of chloride and nitrate, water from 67 percent of the sources has deteriorated in quality. It is not known, however, whether the deterioriation is restricted to the immediate area of the well or is symptomatic of problems over larger areas. Except for a few local contamination problems, and some excessive levels of iron, manganese, or hardness, which can normally be controlled by treatment, the ground water is suitable in chemical quality for drinking.

TABLE 6.--DESCRIPTION OF SELECTED WELLS, TEST 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 NATIONAL GEODETIC VERTICAL DATUM OF 1929; THOSE PRECEDED BY A MINUS SIGN ARE BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929.

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
T	"SALT AND PEPPER"
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, COARSE 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, 16 TO 30 MINUTES; C, 31 TO 45 MINUTES; D, 46 TO 59 MINUTES.

LOG: D, DRILLER'S LOG; G, GEOLOGIST'S LOG AVAILABLE IN TABLE 5.

QW: TYPE OF CHEMICAL ANALYSIS AVAILABLE IN TABLE 7. C, COMPLETE; J, CONDUCTANCE AND CHLORIDE; K, CONDUCTANCE; L, CHLORIDE; M, MULTIPLE (INCLUDES ONE COMPLETE AND ONE OR MORE PARTIAL); P, PARTIAL.

TABLE 6.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER		LATITUDE-LONGITUDE	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR DRILLED	METHOD	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER LEVEL DATE MEASURED	WATER LEVEL USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
									CHITTENDEN											
W	1	434426N0725841.1	980	US FISH & WILD.	1959	W	2	T	20	T	--	BR	3	11-59	U	78	--	8	D	-
W	3	434116N0725708.1	1025	GEE,ASA	1972	P	6	X	335	U	80	--	--	--	H	7	--	--	D	-
W	5	434458N0725846.1	1310	CHAMBERLAIN,E	1973	P	6	X	298	W	30	O	20	9-73	H	5	--	2	D	-
W	6	434238N0725732.1	1120	WILSON,HUDSON L	1976	P	6	X	235	W	60	O	F	5-76	H	30	--	2	D	-
W	9	434436N0725855.1	1190	MCPHEE,EDWARD A	1969	P	6	X	121	W	15	N	--	--	H	4	--	--	D	-
W	10	434300N0725746.1	1160	WILLIAMS,THOMAS	1975	P	6	X	296	W	90	O	25	10-75	H	2	--	1	D	-
W	11	434307N0725748.1	1220	ABEL	1969	P	6	X	110	W	1	O	F	6-69	H	20	--	1	-	-
W	12	434259N0725730.1	1180	LAHUA,FREDRICK	1973	P	6	X	175	W	14	N	14	8-73	H	3	--	2	D	-
W	13	434404N0725614.1	1720	ELY,RICHARD O	1970	P	6	X	85	W	30	O	F	5-70	H	25	--	--	D	-
W	14	434254N0725640.1	1420	BAILEY,M R	1971	P	6	X	121	W	55	O	--	--	S	4	--	3	D	-
W	15	434224N0725653.1	1160	MARCEAU,RICHARD	1976	P	6	X	196	W	73	O	35	9-76	H	5	--	2	D	-
W	16	434408N0725610.1	1700	PUSCHEL,G.P.	1971	P	6	X	90	W	30	HS	30	11-71	H	6	--	--	-	-
W	17	434142N0725715.1	1045	DAVENPORT,E.H.	1971	C	6	O	27	W	--	R	8	3-71	H	9	--	7	D	-
W	18	434209N0725706.1	1090	BEAN,GEORGE	1973	P	6	X	186	W	42	N	10	9-73	H	2	--	3	D	-
W	19	434345N0725637.1	1980	KITSON,GEOFFREY	1966	P	6	X	222	W	7	N	11	7-66	H	4	--	1	D	-
W	20	434354N0725630.1	1845	ROWE,WILLIAM F.	1967	P	6	X	172	W	33	SO	9	6-67	H	6	--	1	D	-
W	21	434220N0725742.1	1160	COYLE	1972	P	6	X	245	W	13	N	F	11-72	H	10	--	1	D	-
W	22	434129N0725714.1	1037	MILLER,REGINALD	1973	P	6	X	196	W	150	N	--	--	H	20	--	2	D	-
W	23	434134N0725717.1	1030	KENT,HARRY JR	1974	P	6	X	190	W	131	SN	--	--	H	10	--	1	D	-
W	27	434220N0725736.1	1140	DOLAN,RALPH	1971	P	6	X	246	W	15	N	--	--	H	4	--	2	-	-
W	28	434245N0725620.1	1340	MOORE,PETER	1975	P	6	X	247	W	25	CO	22	9-75	H	3	--	1	D	-
W	29	434022N0725634.1	1020	BURTON,CECIL H	1960	P	6	X	52	W	--	N	--	--	H	0.5	--	--	-	-
W	30	434203N0725711.1	1085	BARSTOW SCHOOL	1932	C	8	X	290	W	41	N	--	--	H	23	--	24	-	-
W	31	434148N0725707.1	1070	BEAN,NORBERT	1969	C	6	X	123	W	12	N	F	8-69	H	8	--	3	D	-
W	32	434124N0725709.1	1035	HARRISON,R	1960	P	6	X	164	W	140	N	--	--	H	3	--	--	-	-
W	33	434156N0725739.1	1140	SCHENEK,W A	1966	-	6	X	98	W	65	N	22	11-66	H	20	--	1	D	-
W	34	434227N0725746.1	1160	BLOW,ROBERT	1971	P	6	X	130	W	80	N	F	2-71	H	9	--	--	D	-
W	35	434230N0725751.1	1150	MOSSEY,RICHARD	1967	P	6	X	121	W	35	N	30	6-67	H	8	--	--	D	-
W	37	434244N0725734.1	1140	BAUSH,MERLIN	1971	P	6	X	80	W	5	CN	10	11-71	H	30	--	--	D	-
W	38	434255N0725741.1	1145	BAUSH,MERLIN	1970	P	6	X	80	W	4	N	F	4-70	H	4	--	1	-	-
W	39	434301N0725738.1	1170	ALLEN,WINIFRED	1974	P	6	X	270	W	190	ZO	17	9-74	H	5	--	1	D	-
W	40	434308N0725732.1	1190	BAUSH,MERLIN	1972	P	6	X	260	W	155	O	F	6-72	H	2	--	1	D	-
W	42	434225N0725723.1	1130	DELPHA,GLEN	--	-	6	X	200	W	--	N	F	--	H	8	--	--	-	-
W	43	434228N0725717.1	1150	FILLMORE,WALTER	1973	P	6	X	280	W	19	CO	15	6-73	H	0.5	--	8	D	-
W	45	434235N0725630.1	1230	BARSTOW	1950	C	6	X	148	W	--	O	20	-50	H	20	--	--	-	-
W	46	434329N0725617.1	1710	WRIGHT,ARTHUR	1960	P	6	X	160	W	--	C	--	--	H	2	--	--	D	-
W	48	434347N0725616.1	1780	MOUNTAIN TOP CL	1949	C	6	X	96	W	26	C	15	-49	H	17	--	--	-	-
W	49	434400N0725637.1	1995	BLOW,RICHARD	1971	P	6	X	295	W	54	O	40	12-71	H	3	--	--	D	-
									CLARENDON											
B	1	433049N0725815.1	558	VT HWY DEPT	--	W	2	X	49	T	40	--	--	--	U	--	--	--	D	-
B	3	433407N0725751.1	598	VT HWY DEPT	1963	W	2	O	20	T	--	--	--	--	U	--	--	--	D	-
B	4	433415N0725754.1	604	VT HWY DEPT	1963	W	2	O	102	T	--	--	--	--	U	--	--	--	D	-
B	5	433347N0725918.1	501	VT HWY DEPT	1966	W	2	O	80	T	--	--	--	--	U	--	--	--	D	-
B	6	433407N0725831.1	556	VT HWY DEPT	1973	W	2	X	50	T	40	--	--	--	U	--	--	--	D	-
B	7	433050N0725805.1	567	VT HWY DEPT	1965	W	2	X	36	T	26	--	--	--	U	--	--	--	-	-
B	8	433045N0730120.1	915	VT HWY DEPT	1974	W	2	X	18	T	8	--	--	--	U	--	--	--	D	-
R	5	433018N0725805.1	600	VT HWY DEPT	--	B	--	X	19	T	--	--	--	--	U	--	--	--	D	-
R	13	433138N0725752.1	682	VT HWY DEPT	--	B	--	X	10	T	--	--	--	--	U	--	--	--	D	-
R	27	433300N0725747.1	630	VT HWY DEPT	1963	B	--	X	18	T	--	--	--	--	U	--	--	--	D	-
W	2	433127N0725602.1	805	WEBSTER,CLAYTON	1975	C	6	X	175	W	160	CC	35	9-75	H	6	65	120	D	-
W	3	433128N0725625.1	730	SEVIGNY,VICTOR	1974	P	6	X	235	W	15	O	F	12-74	H	15	--	1	D	-
W	4	433132N0725627.1	790	WILSON,REGINALD	1971	C	6	X	109	W	68	CN	5	5-71	H	7	--	2	D	-
W	5	433155N0725649.1	770	PARKER,MINERVA	1970	C	6	X	81	W	44	ZN	--	--	H	5	--	6	D	-
W	7	433043N0725758.1	580	FREDRICKS,G	1970	C	6	X	108	W	30	CN	0	10-70	H	8	50	4	D	-
W	8	433040N0725743.1	670	ALLARD,DANIEL	1969	P	6	X	217	W	9	O	15	3-69	H	3	--	1	D	-
W	9	433230N0725618.1	790	SOINE,PETER S	1970	P	6	X	300	W	40	CN	--	--	H	4	--	--	D	-
W	10	433340N0725649.1	850	MANSEAU,JOHN T	1973	A	6	O	80	W	--	G	--	--	H	75	--	--	D	P
W	11	433350N0725828.1	555	STJOHN,RODNEY	1973	P	6	X	280	W	82	O	22	10-73	H	0.8	--	2	D	-
W	12	433307N0725837.1	550	OTTER CR LUMBER	1973	C	6	X	195	W	128	O	6	6-73	C	50	8	2	D	-
W	13	433250N0725821.1	565	SCHOOL UNION 40	1974	P	6	X	260	W	191	O	0	11-74	T	97	125	24	D	P
W	14	433408N0725758.1	600	HOLDEN,JOHN	1975	P	6	X	222	W	66	O	25	3-75	H	6	--	25	D	-
W	15	433401N0725755.1	595	NUTTING,RAY	1966	A	6	O	17	W	--	SG	4	10-66	H	8	--	3	D	-
W	16	433423N0725810.1	585	SUSCO,JOSEPH F	1971	P	6	X	165	W	115	CO	14	9-71	H	7	--	6	D	-
W	17	433055N0730123.1	975	MAILHIOT,JAMES	1967	C	6	X	151	W	22	O	20	8-67	H	25	80	4	D	-
W	18	433234N0725740.1	695	SMITH SALES SER	1974	P	6	X	665	W	55	O	75	2-74	C	30	--	4	D	P
W	19	433113N0730015.1	890	BONN,WILLIAM	1968	C	6	X	125	W	40	O	15	7-68	H	20	40	48	D	-
W	20	433106N0730016.1	850	WAUGH,DAVID	1973	A	6	O	100	W	--	G	--	--	H	20	--	3	D	-
W	21	433112N0730057.1	845	EASTMAN,R B	1969	C	6	O	135	W	--	SS	F	4-69	H	5	--	8	D	P
W	22	433103N0730101.1	900	AINES,FREDERICK	1975	C	6	X	218	W	69	O	70	5-75	H	9	110	4	D	P
W	23	433108N0730116.1	930	LEBEL,ROBERT	1975	C	6	X	147	W	7	O	18	4-75	H	7	--	3	D	-
W	25	433008N0730139.1	1160	LAVICTOIRE,T	1974	P	6	X	204	W	4	O	12	5-74	H	0.5	--	2	D	-
W	26	433342N0730201.1	575	CHAPMAN,ROBERT	1969	C	6	X	145	W	45	OF	4	5-69	H	3	--	4	D	-
W	27	433025N0725640.1	870	SWANO,PETER	1974	P	6	X	190	W	103	O	F	6-74	H	20	--	1	D	-
W	28	433108N0725642.1	790	YOUNG,WARREN JR	1975	C	6	O	164	W	--	GG	35	8-75	H	30	45	2	D	-

TABLE 6.--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 FIN-ISH	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	OW
				CLARENDON--CONTINUED														
W 29	433110N0725648.1	770	YOUNG,CLIFFORD	1969 C	6	O	238	W	--	6R	47	12-69	H	8	--	6	D	-
W 30	433111N0725645.1	800	KELLEY,RONALD	1973 P	6	X	255	W	184	D	20	9-73	H	6	--	2	D	-
W 31	433105N0725737.1	810	HANCE,JOSEPH	1969 C	6	X	105	W	3	ZD	8	9-69	H	45	37	4	-	-
W 32	433151N0725602.1	790	GROVER,CLAYTON	1970 C	6	X	128	W	65	N	1	6-70	P	100	5	11	D	-
W 33	433323N0725644.1	850	JOHNSON,HOLLEY	1976 C	6	O	156	W	--	G	40	5-76	H	7	--	5	D	-
W 35	433140N0725645.1	785	RUTLAND AIRPORT	-- -	6	X	--	W	--	D	--	--	H	--	--	--	-	P
W 36	433359N0725759.1	580	TIMBER LAKE VIL	1975 P	6	X	190	W	61	D	26	7-75	P	30	--	4	D	-
W 37	433408N0725729.1	690	BAKER DISTRIB.	1970 P	6	X	247	W	20	D	7	6-70	C	0.5	--	2	D	-
W 38	433349N0725703.1	800	BAKER,NORMAN S	1972 P	6	X	190	W	8	CN	5	11-72	H	1.2	--	1	-	-
W 39	433350N0725657.1	830	BAKER,NORMAN S	1971 P	6	X	270	W	120	CN	40	5-71	H	3	--	1	-	-
W 40	433348N0725657.1	840	BAKER,NORMAN S	1972 P	6	X	112	W	78	ZN	45	4-72	H	12	--	2	D	-
W 41	433352N0725631.1	820	PAGE,SUMNER JR	1968 P	6	O	246	W	--	S	25	2-68	H	30	--	--	D	-
W 42	433346N0725631.1	840	BRUCKNER,JOHN	1975 A	6	O	58	W	--	BR	30	3-75	H	--	--	--	D	-
W 43	433338N0725622.1	900	BAKER & BRUSO	1970 A	6	O	183	W	--	4G	89	4-70	H	20	--	3	D	-
W 44	433326N0725622.1	560	SCHWAIGER,JAKOB	1972 C	6	O	81	W	--	6R	1	11-72	H	10	--	24	D	-
W 45	433135N0725601.1	8810	TODRIFF ARTHUR	1976 C	6	X	125	W	107	N	21	8-76	H	20	--	2	D	-
W 46	433151N0725743.1	710	VT HWY DEPT	1974 P	6	X	325	W	30	N	6	10-74	H	8	52	8	D	-
W 47	433314N0730125.1	765	KEARNEY,G JR	1975 C	6	X	210	W	10	CN	55	1-75	H	5	135	4	D	-
W 48	433328N0730142.1	690	WILDER,RONALD	1973 P	6	X	196	W	8	D	15	3-73	H	0.5	--	1	D	-
W 49	433327N0730153.1	630	DOANER,CHESTER	1972 C	6	X	285	W	40	F	44	8-72	H	5	--	2	D	-
W 50	433219N0730040.1	1065	LATZER & WEISS	1974 P	6	X	415	W	33	OO	--	--	H	3	--	1	D	-
W 52	433040N0730022.1	1030	HIER,DENNIS	1971 P	6	X	150	W	28	N	F	11-71	H	2	--	1	D	-
W 53	433406N0725722.1	718	BOOSKA,KENNETH	1970 C	6	X	158	W	20	D	20	6-70	H	12	120	4	D	-
W 55	433355N0725759.1	580	ROBERTS,RUTH	1975 C	6	X	166	W	10	QD	11	8-75	H	10	--	4	D	-
W 56	433350N0725802.1	570	HUNTER,HAROLD	1972 A	6	O	95	W	--	6R	15	4-72	H	50	--	--	D	-
W 57	433342N0725759.1	575	SURRELL,ALBERT	1966 P	6	X	200	W	40	D	10	7-66	H	2	--	1	D	-
W 58	433425N0725706.1	720	LANFEAR,WILMER	1970 P	6	X	127	W	52	D	--	--	H	5	--	1	D	-
W 60	433338N0725628.1	870	CUTTITTA,GARY S	1973 A	6	O	130	W	--	4G	50	7-73	H	60	--	--	D	P
W 61	433341N0725638.1	865	VIELLEAUX,G	1972 C	6	O	70	W	--	G	37	5-72	H	40	14	3	D	-
W 62	432958N0725818.1	560	THURLOW'S INSUL	1972 C	6	X	245	W	52	CN	12	8-72	C	2	168	4	D	-
W 63	432958N0725812.1	560	TURCO,DELMAR	1972 A	6	O	120	W	--	G	--	--	H	30	--	2	D	-
W 64	433200N0725648.1	775	SOUTHARD,M	1974 P	6	X	190	W	29	D	18	10-74	H	11	--	2	D	-
W 65	433143N0725806.1	630	WHEELER,A	1968 C	6	X	180	W	25	D	5	8-68	H	2	--	3	D	-
W 69	433101N0725811.1	590	HOWARD,HENRY	1972 C	6	X	96	W	24	D	3	5-72	H	6	--	2	D	-
W 70	433058N0725810.1	595	WILBUR,KENNETH	1971 C	6	X	91	W	14	D	4	8-71	H	4	--	2	-	P
W 71	433129N0725812.1	580	EDDY,WALTER	1969 P	6	X	112	W	68	D	--	--	H	6	--	1	D	-
W 72	433105N0730052.1	850	THOMSON,HERBERT	1973 P	6	X	206	W	2	D	6	3-73	H	0.5	--	2	D	-
W 73	433219N0730115.1	740	MUMFORD,JAMES	1976 P	6	X	305	W	17	D	40	11-76	H	3	--	2	D	-
W 74	433413N0725956.1	840	LUTZ	1976 P	6	X	422	W	28	CN	F	12-76	H	3	--	2	D	-
W 75	433146N0725642.1	770	LAPRE,ROGER	1970 C	6	X	180	W	52	N	10	8-70	H	100	90	4	D	-
W 76	433156N0725617.1	770	ROGERS MOBIL PK	1974 P	6	X	335	W	120	D	30	4-74	P	20	--	1	D	P
W 77	433104N0725551.1	870	KEEFE,STANLEY	1970 C	6	X	119	W	30	N	34	12-70	H	8	--	2	D	-
W 78	433324N0725745.1	680	KILL.WOOD PROD.	1973 P	6	X	220	W	52	CN	12	10-73	H	12	--	3	D	-
W 79	433413N0725818.1	590	RONDINA,EDMUND	1948 C	6	X	130	W	--	D	42	-48	H	8	--	--	-	-
W 80	433231N0730041.1	1110	PRATT,B H	1972 P	6	X	205	W	0	D	--	--	H	8	--	8	D	-
W 81	433156N0730133.1	800	BIENIEKI,WALTER	1975 C	6	X	169	W	30	D	40	6-75	H	45	40	4	D	-
W 82	433159N0730143.1	930	MUMFORD,JAMES	1969 C	6	X	174	W	52	CO	30	1-69	H	4	130	4	D	-
W 83	433205N0730117.1	750	TIRABOSCHI,F.G.	1973 P	6	X	279	W	21	D	12	8-73	H	1	--	2	D	-
W 84	433157N0730122.1	750	WALKER,E W	1968 C	6	X	122	W	17	D	26	5-68	H	6	--	2	D	-
W 85	433057N0730037.1	960	CHAPLA,HENRY	1973 P	6	X	190	W	8	D	--	--	H	10	--	1	D	-
W 86	432947N0730029.1	1230	INGRAM,ROBERT	1973 P	6	X	56	W	25	N	16	11-73	H	2	--	2	D	-
W 90	433115N0730123.1	930	WADE,WALTER	1977 P	6	X	160	W	9	D	30	3-77	H	2	--	1	D	-
W 91	433058N0730115.1	930	KIBBY,DOREEN	1970 C	6	X	146	W	32	ZD	27	11-70	H	1.5	--	2	D	-
W 92	433101N0730122.1	970	COLE,MARVIN	1968 C	6	X	157	W	3	D	35	4-68	H	3	--	4	D	-
W 94	433350N0725808.1	570	CLARENDON EL SH	1955 C	6	X	224	W	104	D	26	9-55	T	6	--	--	-	-
W 95	433351N0725945.1	700	TERRACE HILLS	1969 A	6	O	72	W	--	ZN	2	4-69	P	8	--	8	D	-
W 96	433342N0725601.1	960	LAGRO,WAYNE	1974 P	6	X	185	W	28	SN	--	--	H	30	--	2	D	P
W 97	432954N0725819.1	680	VT HWY DEPT D 3	-- -	6	-	--	W	--	--	--	--	H	--	--	--	-	P
W 98	433349N0725748.1	570	CARARRA LUMBER	1951 C	6	X	135	W	70	D	--	--	C	--	--	--	-	-
W 100	433329N0725645.1	870	CARARRA,GUIDO	1953 C	6	S	150	W	--	U	45	4-53	H	5	--	--	-	-
W 101	433330N0730212.1	660	CHAPMAN,ROBERT	1969 C	6	X	125	W	0	OO	2	5-69	H	3	--	4	D	-
W 102	433317N0730140.1	630	BRADLEY,BARRY	1969 C	6	X	70	W	8	D	14	4-69	H	45	--	4	D	-
W 103	433312N0730119.1	730	CHAPMAN,ROBERT	1974 P	6	X	196	W	9	O	F	10-74	H	10	--	1	D	-
W 104	433421N0725758.1	630	GILBERT,EARL	1949 C	6	P	258	W	--	U	40	-49	H	25	--	--	-	-
W 105	433414N0725802.1	610	LAPINE,FRANCIS	1950 C	6	X	79	W	--	D	--	--	H	--	--	--	-	-
W 107	433408N0725756.1	605	PEDONE,JOHN	1967 P	6	X	446	W	75	D	--	--	H	8	--	--	D	-
W 109	433339N0725749.1	610	PRATT, ROBERT	1970 P	6	X	220	W	160	ZN	50	10-70	H	30	--	1	D	-
W 110	433352N0725809.1	570	SHCAKETT, W C	1955 C	6	S	102	W	--	U	10	8-55	H	5	--	--	-	-
W 112	433311N0725815.1	570	SQUIRES,MILTON	1959 H	6	O	80	W	--	U	--	--	H	30	--	--	-	-
W 113	433343N0725653.1	845	SABATINO,C	1971 A	6	O	97	W	--	G	--	--	H	5	--	--	D	-
W 114	433337N0725651.1	840	PISANELLI,DR V	1972 P	6	X	470	W	130	D	60	4-72	H	15	--	--	D	-
W 115	433310N0725639.1	820	LAMBERT,ALBERT	1972 C	6	O	196	W	--	3G	26	10-72	H	45	--	6	D	-
W 116	433253N0725621.1	765	WETHERBY,OMAR	1950 C	6	X	188	W	--	D	--	--	H	5	--	--	-	-
W 117	433234N0725721.1	710	COUNTRY SQUIRE	1954 C	6	X	188	U	38	D	23	6-54	C	10	--	--	-	-
W 118	434218N0725656.1	740	WEEKS, A	1949 C	6	X	106	W	--	D	15	-49	H	20	--	--	-	-

TABLE 6.--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
CLARENDON--CONTINUED																		
w 122	433022N0725637.1	890	ANDERSON,KARL	1971 A	6	0	176	W	--	4G	50	12-71	H	20	--	2	D	-
w 124	433103N0725801.1	640	MUNDETT,S	1975 C	6	X	138	W	8	N	9	9-75	H	9	--	2	D	-
w 125	433102N0725756.1	650	MCTIGUE,J W	1945 C	6	X	90	W	56	N	50	10-45	H	10	--	--	-	-
w 126	433112N0725752.1	700	GUYETTE,CARL	1969 P	6	X	111	W	8	N	--	--	H	5	--	1	D	-
w 127	433054N0725808.1	590	STROM-OLSEN	1976 P	6	X	185	W	37	D	30	5-76	H	5	--	2	D	-
w 128	433057N0725823.1	555	POWERS,JAMES R	1955 C	6	X	110	W	56	D	22	4-55	H	15	--	--	-	-
w 129	433106N0725817.1	585	FIRST CONGO.CH.	1954 C	6	X	120	W	60	D	20	12-54	H	3	--	--	-	-
w 131	433114N0730104.1	845	WORTH,JAMES A	1968 P	6	X	150	W	5	D	--	--	H	1	--	--	D	-
w 132	433139N0730159.1	1010	DANSROW,C	1973 P	6	X	300	W	50	D	--	--	H	5	--	1	D	-
w 133	433124N0730145.1	950	HALL,CHARLES E	1968 P	6	X	100	W	16	CN	F	7-68	H	4	--	--	D	-
w 134	433153N0730139.1	870	ALLEN,KENNETH	1971 C	6	X	60	W	3	--	10	3-71	H	4	--	2	-	-
w 136	433309N0730130.1	670	MARTELLE,LEROY	1976 P	6	X	174	W	3	D	17	11-76	H	2	--	4	-	-
w 137	433115N0730012.1	930	CADWALLADER,W L	-- -	6	X	125	W	--	N	--	--	H	--	--	--	-	P
w 139	432946N0725846.1	570	NEWTON,ALDIS	-- -	6	0	70	W	--	G	--	--	H	25	--	--	-	-
w 140	433157N0725855.1	540		-- -	6	X	177	W	--	--	--	--	H	0.8	--	--	-	-
w 142	433132N0725736.1	785		-- -	6	X	302	W	--	D	--	--	H	1.2	--	--	-	-
w 143	433350N0725629.1	825	CHURCHILL,DAVID	1966 A	6	0	138	W	--	RG	--	--	H	8	--	1	D	-
w 144	433330N0725805.1	600	COBURN,TRLR PK	-- C	6	X	105	W	--	D	50	--	P	--	--	--	-	P
w 145	433346N0725701.1	825	CICATELLI,A	1975 P	6	X	235	W	66	D	25	12-75	H	3	--	1	-	-
x 3	433144N0725637.1	810	CORPS OF ENG	1941 D	--	-	22	T	--	--	22	-41	U	--	--	--	D	-
x 4	433129N0715634.1	840	CORPS OF ENG	1941 B	--	-	26	T	--	--	--	--	U	--	--	--	D	-
x 7	433139N0725706.1	782	CORPS OF ENG	1941 B	--	-	5	T	--	--	2	-41	U	--	--	--	D	-
x 8	433134N0725654.1	781	CORPS OF ENG	1941 B	--	-	11	T	--	--	6	-41	U	--	--	--	D	-
x 11	433126N0725657.1	772	CORPS OF ENG	1941 B	--	-	10	T	--	--	--	--	U	--	--	--	D	-
x 14	433207N0725703.1	771	CORPS OF ENG	1941 B	--	-	4	T	--	--	--	--	U	--	--	--	D	-
IRA																		
R 1	433650N0730632.1	552	VT HWY DEPT	-- B	--	X	25	T	--	--	--	--	U	--	--	--	D	-
R 2	433642N0730528.1	508	VT HWY DEPT	-- B	--	X	24	T	17	--	--	--	U	--	--	--	-	-
w 1	433158N0730403.1	890	WEBSTER,R A	1971 C	6	X	250	W	8	OO	15	8-71	H	1	230	--	D	P
w 2	433624N0730541.1	540	AUSTIN,GERALD M	1974 C	6	X	154	W	38	O	15	8-74	H	3	--	8	D	P
w 3	433625N0730645.1	490	BIRDSEYE MT.CO.	1962 P	6	X	180	W	58	O	20	10-65	C	10	--	--	-	-
w 4	433159N0730354.1	865	LINCOLN,STUART	-- D	36	W	24	W	--	U	20	10-76	H	--	--	--	-	-
w 5	433203N0730350.1	965	GRAMMAR SCHOOL	1954 P	6	X	240	W	135	O	--	--	H	12	--	--	-	-
w 6	433628N0730554.1	550	BRUSO,LEO	1968 C	6	X	201	W	34	F	--	--	H	10	--	2	D	-
w 7	433359N0730232.1	730	JOHNSON,WILDRED	1973 P	6	X	280	W	5	O	F	1-73	H	0.5	--	1	D	-
w 8	433210N0730412.1	925	FISH,CLARENCE	1960 P	6	X	98	W	--	O	--	--	H	50	--	--	-	-
w 9	433205N0730359.1	890	EARLE,RONALD	-- -	6	X	128	W	--	O	--	--	H	60	--	--	D	-
w 10	433204N0730408.1	910	LINCOLN,DONALD	1963 P	6	X	262	W	--	O	--	--	H	1	--	--	-	-
w 11	433155N0730409.1	930	WERSTER,R A	1971 C	6	X	100	W	6	O	12	9-71	H	1.5	84	--	D	-
w 13	433148N0730405.1	865	BASLOW,RALPH SR	1969 C	6	X	259	W	20	F	30	10-69	H	2	120	4	D	-
w 14	433141N0730410.1	870	JOHNSON,GORDON	1967 C	6	X	193	W	40	F	30	7-67	H	8	120	4	D	-
w 15	433135N0730411.1	870	PERRY,RALPH SR.	1960 P	6	X	320	U	--	O	F	-60	H	0.5	--	--	-	-
w 16	433119N0730417.1	880	JOHNSTON,ROBERT	-- C	8	O	40	W	--	U	--	--	H	--	--	--	-	-
w 17	433105N0730419.1	930	JOHNSTON,RONALD	1971 P	6	X	570	W	20	O	50	10-71	H	0.2	--	1	D	-
w 18	433049N0730427.1	950	JANAS,FRANK	1960 P	6	X	68	W	--	O	--	--	H	4	--	--	-	-
w 19	433000N0730448.1	1190	SHARP,IRA	-- C	6	X	100	W	5	O	10	--	H	3	--	--	-	-
w 20	432942N0730446.1	1250	JONES,ARTHUR	1969 C	6	X	280	W	25	O	40	7-69	H	1	210	4	D	-
w 21	433246N0730450.1	1150	BROWN,H	1960 P	6	X	308	U	--	O	--	--	U	2	--	--	-	-
w 22	433307N0730422.1	1260	FISH,DR LEWIS	1972 C	6	X	410	W	25	N	25	11-72	H	1.5	350	4	D	-
w 23	433258N0730227.1	730	JOHNSTON,L	1974 C	6	X	183	W	45	F	30	6-74	H	7	100	4	D	-
w 24	433624N0730525.1	540	PAWLUSIAK,F	1972 C	6	X	275	W	34	O	180	10-72	H	0.1	--	--	D	-
w 25	433627N0730550.1	550	ANGIER,GERALD L	1968 P	6	X	308	W	40	O	8	6-68	H	1	--	1	D	-
w 26	433629N0730547.1	530	ANGIER,GERALD L	1972 C	6	X	225	W	51	O	35	7-72	H	2	185	2	D	-
w 27	433300N0730240.1	850	CLIFFORD,FRANK	1967 P	6	X	450	W	5	O	--	--	H	1	--	2	D	-
MENDON																		
w 1	433932N0725217.1	1750	CORTINA INN	1969 P	6	X	418	W	21	O	10	7-69	C	10	--	1	D	-
w 2	433932N0725217.2	1750	CORTINA INN	1972 P	6	X	97	W	19	O	5	9-72	C	40	--	2	D	-
w 3	433901N0725225.1	1455	SANDBORN,B	1968 A	6	0	140	W	--	2G	F	10-68	H	4	--	--	D	-
w 4	433900N0725220.1	1480	TAYLOR,C H	1966 A	6	0	105	W	--	4G	30	10-66	H	15	--	5	D	-
w 5	433935N0725300.1	1725	OBRIEN,PATRICK	1969 A	6	X	128	W	60	O	15	6-69	H	3	--	1	D	-
w 6	433850N0725544.1	1045	MENDON TOWN	1973 P	6	X	97	W	33	N	11	6-73	H	5	--	1	D	-
w 7	433830N0725555.1	1010	NORTH,ALTA	1973 P	6	X	175	W	31	O	--	--	H	2	--	1	D	-
w 8	433830N0725556.1	1005	ALLEN ENG.	1975 A	6	0	50	W	--	BR	30	12-75	H	25	--	2	D	-
w 9	433816N0725606.1	970	CAMPBELL,DR B	1967 C	6	0	58	W	--	R	--	--	H	16	--	2	D	-
w 10	433808N0725616.1	875	CROSSMAN,NEIL	1975 P	6	X	297	W	146	O	35	3-75	H	4	--	36	D	-
w 11	433858N0725416.1	1330	PETTIT,MILTON	1967 C	6	0	127	W	--	BR	--	--	H	10	--	2	D	-
w 13	433912N0725428.1	1340	EATON,ROBERT E	1975 P	6	X	97	W	12	O	12	6-75	H	10	--	1	D	-
w 14	433921N0725241.1	1660	ROMANO,ALFRED	1971 C	6	0	71	W	--	R	20	10-71	H	7	--	4	D	-
w 15	433943N0725159.1	1800	BARBERS REST.	1969 P	6	X	122	W	19	N	9	8-69	C	15	--	1	D	-
w 16	433905N0725337.1	1460	BELDON,WILLIAM	1969 A	6	0	83	W	--	R	6	3-69	H	40	--	--	D	-
w 17	433902N0725351.1	1410	MONTGOMERY,T M	1970 A	6	0	80	W	--	4G	F	5-70	H	125	--	--	D	-
w 18	433923N0725239.1	1690	AVERILL,JAMES H	1971 P	6	X	97	W	40	N	11	1-71	H	10	--	2	D	-
w 19	433950N0725157.1	1820	EDELWEISS,MOTEL	1970 P	6	X	150	W	9	N	20	11-70	C	15	--	4	-	-
w 21	434023N0725212.1	2080	FORSYTH,DONALD	1967 P	6	X	297	W	24	N	32	8-67	H	1	--	1	D	-
w 22	434017N0725213.1	2080	JANERICH,DWIGHT	1967 P	6	X	150	W	15	N	9	8-67	H	2	--	1	D	-

TABLE 6.--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
					MENDON --CONTINUED														
W	23	434007N0725217.1	2030	KASTNER,JAMES	1973 P	6	X	265	W	36	O	15	9-73	H	0.9	--	1	D	-
W	24	434003N0725212.1	2005	HEBERT,RONALD E	1973 P	6	X	296	W	40	O	25	10-73	H	2	--	2	D	-
W	26	434010N0725225.1	2010	PHILIPS,PAUL	1974 P	6	X	247	W	150	O	30	11-74	H	20	--	2	D	-
W	27	434012N0725221.1	2040	MOORE,RICHARD	1973 P	6	X	346	W	48	N	20	7-73	H	0.8	--	1	D	-
W	30	433011N0725231.1	2005	RUTH,JAMES	1972 P	6	X	244	W	--	N	30	8-72	H	3	--	2	D	-
W	31	433847N0725552.1	1010	BRIDGE,ALMER G	1971 A	6	O	52	W	--	R	22	1-71	H	10	--	2	D	-
W	32	433628N0725610.1	900	TRINCI,ALBERT	1976 A	6	O	118	W	--	G	50	3-76	H	6	--	40	D	-
W	33	433914N0725537.1	1130	WORTHINGTON,P	1972 P	6	X	350	W	20	N	40	6-72	H	4	--	2	D	-
W	34	433912N0725445.1	1340	JEFFERSON,D	1976 P	6	X	297	W	118	O	120	7-76	H	5	--	2	D	-
W	35	433933N0725320.1	1660	MOLLER,G	1964 -	6	O	180	W	--	U	--	--	H	8	--	--	-	P
W	36	433903N0725421.1	1335	FREUND,GEORGE	1960 P	6	X	114	W	--	N	--	--	H	6	--	--	-	-
W	37	433908N0725422.1	1350	PARKER,DAVID	-- D	--	O	20	W	--	U	--	--	H	--	--	--	-	P
W	38	433836N0725554.1	1010	DEERMONT GRANGE	1956 C	6	X	84	W	37	N	33	8-56	H	15	--	--	-	-
W	39	433905N0725428.1	1230	MARTEL,J L	1960 P	6	X	170	W	--	N	--	--	H	6	--	--	-	-
W	40	433839N0725603.1	985	CAHILL,EDWARD	1974 A	6	O	62	W	--	BG	38	10-74	H	7	--	4	D	-
W	41	433833N0725607.1	975	DE LORENZO,J	1976 P	6	X	348	W	150	O	35	11-76	H	1	--	10	D	-
W	42	433804N0725612.1	890	HAWLEY,NORMAN H	1962 P	6	X	80	W	--	N	--	--	H	3	--	--	-	-
W	43	433934N0725207.1	1765	VT HWY DEPT D 3	1960 P	6	X	219	W	65	N	15	10-60	H	5	--	--	D	P
W	44	433928N0725213.1	1745	STEELE,THOMAS E	1973 P	6	X	322	W	96	N	50	9-73	H	6	--	2	D	-
W	45	433940N0725206.1	1800	JOHNSON,NEAL	1959 P	6	X	125	W	--	N	--	--	H	20	--	--	-	-
W	46	433953N0725153.1	1830	VEGHTE,HENRY JR	1970 P	6	X	620	W	13	N	10	8-70	H	4	--	6	D	-
W	47	434001N0725122.1	1845	CARBONEAU,R	1969 C	6	O	58	W	--	PR	11	7-69	H	6	--	6	D	-
W	48	433906N0725536.1	1050	WIGGEN,EDWARD A	1976 P	6	X	222	W	88	O	75	11-76	H	12	--	1	D	-
W	49	433828N0725558.1	1000	DERBY,RICHARD G	1969 C	6	O	54	W	--	R	18	8-69	H	20	--	2	D	-
W	52	433922N0725532.1	1280	MAJESKI,FRANK	1973 P	6	X	222	W	30	L	50	6-73	H	3	--	2	D	-
W	53	433925N0725520.1	1330	OTTEN,LESLIE B	1972 P	6	X	348	W	90	N	50	8-72	H	1.5	--	2	D	-
W	54	433844N0725549.1	1020	LONGLEY,GUY F	1969 P	6	X	222	W	32	O	12	7-69	H	1.5	--	1	D	-
W	55	433914N0725509.1	1245	ABATIELL,J S JR	1976 P	6	X	327	W	60	N	45	4-76	H	1	--	2	D	-
W	56	433920N0725507.1	1330	LAGASSE,ROBERT	1974 P	6	X	122	W	20	O	30	7-74	H	30	--	1	D	-
W	57	433927N0725505.1	1420	HUEGLIN,F C JR	1973 P	6	X	522	W	33	N	225	7-73	H	1	--	3	D	-
W	59	433921N0725512.1	1350	ENTINGER,HANS H	1972 P	6	X	210	W	51	N	53	3-72	H	20	--	2	D	-
W	60	433921N0725613.1	970	NEARY,THOMAS	1975 A	6	O	115	W	--	4G	30	9-72	H	100	--	2	D	-
W	61	433936N0725620.1	980	COLLAMORE,J C	1976 A	6	X	400	U	--	--	--	--	U	--	--	--	-	-
W	63	433639N0725546.1	970	EASTRIDGE ACRES	1967 P	6	X	262	W	35	O	--	--	P	33	--	1	D	P
W	64	433913N0725306.1	1540	MENDON FARMS	1973 P	6	X	275	W	50	N	50	4-73	P	40	--	2	D	P
W	65	433613N0725554.1	920	VALIWIETTE,J H	1970 C	6	O	65	W	--	4R	26	5-70	H	8	--	4	D	-
W	66	434008N0725558.1	1480	DINGMAN,DONALD	1970 P	6	X	248	W	4	O	50	10-70	H	1	--	1	-	-
W	67	433652N0725542.1	990	W.MTN.WATER CO	1965 -	6	X	200	W	--	N	--	--	P	30	--	--	-	P
W	68	433928N0725213.2	1745	STEELE,THOMAS E	-- D	--	O	20	-	--	U	--	--	H	--	--	--	-	P
					PITTSFORD														
B	1	434312N0730312.1	360	VT HWY DEPT	-- W	--	O	25	T	--	--	--	--	U	--	--	--	D	-
W	1	434236N0730346.1	460	VERMONT MARBLE	1970 P	6	X	172	W	21	CN	2	1-70	N	60	--	5	D	-
W	2	434212N0730337.1	510	VERMONT MARBLE	1971 P	6	X	149	W	23	CN	8	3-71	N	18	--	1	D	-
W	3	433219N0730336.1	510	VERMONT MARBLE	1971 P	6	X	149	W	37	CN	15	5-71	N	60	--	2	D	-
W	4	433244N0730342.1	475	WHITE PIGMENT	1971 P	6	X	299	W	14	CN	25	6-71	N	5	--	--	-	-
W	5	434026N0730432.1	600	LEWIS,CLARENCE	1966 P	6	X	315	W	10	O	F	8-66	H	1	--	--	D	-
W	6	434052N0730432.1	600	DAVIS,RONALD	1972 A	6	X	115	W	2	O	--	--	H	3	--	8	D	-
W	7	434102N0730428.1	680	CHAMPINE,LEE	1971 C	6	X	130	W	0	O	14	6-71	H	2	--	--	D	-
W	8	434217N0730106.1	485	US GEOL SURVEY	1957 A	1	T	42	O	--	2S	37	11-68	U	--	--	--	G	-
W	9	434411N0730412.1	390	CLARK ROBERT E	1970 P	6	X	568	W	119	CN	--	--	H	0.5	--	2	D	-
W	10	434411N0730414.1	390	CLARK,ROBERT E	1969 P	6	X	433	U	24	CN	D	9-69	U	7	--	--	D	-
W	11	434411N0730421.1	400	CECOT,CHARLES	1969 C	6	X	87	W	60	CN	22	7-69	H	5	--	2	D	-
W	12	434359N0730337.1	400	REED,HAROLD	1972 P	6	X	400	W	31	CN	25	5-72	H	0.2	--	1	D	-
W	13	434129N0730036.1	580	GOEHEL,F	1975 P	6	X	295	W	25	D	100	5-75	H	50	--	1	D	-
W	14	434027N0730054.1	540	CARVEY,JAMES	1973 P	6	X	190	W	57	CN	150	1-73	H	12	--	1	D	-
W	15	434100N0725855.1	960	DIDRIKSEN,M S	1970 P	6	X	220	W	11	O	13	3-70	H	1	--	1	D	-
W	16	434116N0725736.1	1040	BEAUCHAMP,F	1967 P	6	X	158	W	55	N	20	8-67	H	3	--	1	D	-
W	17	434121N0725752.1	1220	GOODRICH,WARREN	1975 P	6	X	222	W	18	O	F	9-75	H	3	--	1	D	-
W	18	434120N0725842.1	1100	BIENIEKI,ROBERT	1976 P	6	X	243	W	68	N	--	--	H	2	--	1	D	-
W	19	434202N0725856.1	840	WILE,HENRY E	1966 P	6	X	250	W	29	O	25	12-66	H	8	--	4	D	-
W	20	434126N0730031.1	620	ROGENSKI,T W	1975 P	6	X	222	W	21	L	60	8-75	H	12	--	2	D	-
W	22	434240N0730207.1	450	RUSIN,JOHN	1975 P	6	X	180	W	65	N	--	--	C	17	--	2	D	-
W	23	434232N0730451.1	620	RUSIN,JOHN A	1970 P	6	X	104	W	8	O	--	--	H	10	--	8	D	-
W	24	434223N0730528.1	780	CHURCHILL,W	1970 P	6	X	325	W	3	O	15	8-72	H	3	--	1	D	-
W	25	434223N0730548.1	820	GLYDON,JOSEPH	1970 P	6	X	369	W	5	N	20	8-70	H	0.1	--	1	D	-
W	27	434143N0730250.1	390	SUMNER,CHARLES	1975 P	6	X	500	W	10	CN	26	5-75	H	2	--	1	D	-
W	28	434332N0730125.1	700	HENRY,ROBERT	1969 P	6	X	221	W	10	N	--	7-69	H	2	--	--	D	-
W	29	434518N0730255.1	480	JACKSON,ROBERT	1976 P	6	X	185	W	118	N	--	--	H	15	--	2	D	-
W	30	434119N0725948.1	600	HILL,ALAN	1968 P	6	X	221	W	200	F	--	--	H	3	--	--	D	-
W	31	434032N0730056.1	520	RATHJEN,F W	1970 P	6	X	190	W	30	D	50	7-70	H	8	--	--	D	-
W	32	434031N0730040.1	590	RUTHERFORD,O	1971 P	6	X	230	W	90	CN	160	4-71	H	24	--	1	D	-
W	33	434146N0730030.1	570	RANTANEN,DONALD	1975 P	6	X	172	W	20	L	35	9-75	H	20	--	1	D	-
W	34	434320N0730318.1	360	H.P.HOOD INC.	-- D	48	O	20	W	--	U	--	--	C	--	--	--	-	P
W	35	434311N0730338.1	390	ELNICKI,M JR	-- D	36	O	16	W	--	U	10	--	H	--	--	--	-	-
W	36	434309N0730333.1	405	MEACHAM,GEORGE	1971 P	6	X	400	W	--	D	--	--	H	12	--	--	-	-

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
PITTSFORD --CONTINUED																		
W 37	434250N0730217.1	460	BASSO,HENRY U	1953 C	6	X	200	W	100	D	80	12-53	H	20	--	--	-	-
W 39	434031N0730109.1	460	TEMPLE,JAMES	1972 P	6	X	130	W	7	ZN	--	--	H	15	--	2	N	-
W 40	433959N0730456.1	670	MILLS,ALLEN	1975 C	6	X	205	W	53	O	25	7-75	H	1	--	2	N	-
W 41	434235N0730415.1	415	VERMONT MARBLE	1977 W	2	S	70	T	--	9S	+1	9-77	U	35	--	5	N	-
W 42	434122N0725918.1	700	PULLIN,B R	1967 P	8	X	150	W	80	O	--	--	H	3	--	--	N	-
W 43	434117N0725833.1	1150	DEFORGE,OLIN	1948 C	6	X	125	W	--	N	--	--	H	40	--	--	-	-
W 44	434128N0725826.1	1245	CAMP BETSY COX	-- -	6	X	240	W	--	N	--	--	H	3	--	--	-	P
W 45	434142N0725812.1	1295	CAMP SANGAMON	-- -	6	X	70	W	--	N	--	--	H	--	--	--	-	P
W 46	434120N0725810.1	1270	JENKINS,P H	1967 P	6	X	150	W	44	N	30	12-67	H	1.5	--	1	N	-
W 47	434123N0725739.1	1160	KING,H C	1962 P	6	X	68	W	--	N	--	--	H	2	--	--	-	-
W 50	434111N0725735.1	1030	MAXHAM,CARL H	1957 C	6	X	135	W	72	N	10	2-57	H	4	--	--	-	-
W 52	434107N0725735.1	1040	WIGGINS,STANLEY	1973 P	6	X	247	W	80	N	20	1-73	H	1.5	--	1	N	-
W 54	434109N0725737.1	1070	FLANDERS,R F JR	1952 C	6	S	85	W	--	U	20	11-52	H	10	40	--	-	-
W 56	434109N0725742.1	1110	DION,ROBERT	1976 P	6	X	230	W	75	N	25	11-76	H	1	--	2	N	-
W 57	434031N0725642.1	1020	BRUSH,NINA Y	1960 H	6	O	67	W	--	U	--	--	H	6	--	--	-	-
W 58	434011N0725627.1	1000	LEMAY,LEO	1964 P	6	X	100	W	--	N	--	--	H	1	--	--	-	-
W 59	434021N0725924.1	690	DUDA,STANLEY	1974 P	6	X	372	W	110	SO	20	8-74	H	2	--	4	N	-
W 60	434025N0725922.1	700	BURDITT,T A	1973 P	6	X	247	W	75	IO	30	9-73	H	1	--	2	N	-
W 61	434025N0725925.1	695	MOODIE,F J	1974 P	6	X	173	W	94	IN	30	7-74	H	12	--	5	N	-
W 62	434033N0725931.1	700	ALTRUI,PETER	1967 P	6	X	365	W	152	O	30	7-67	H	25	--	8	N	-
W 63	434235N0725959.1	745	HARNISH,ROBERT	1971 P	6	X	622	W	5	--	31	8-71	H	10	--	4	N	-
W 64	434217N0725940.1	610	GILBERT,SIDNEY	1974 C	6	X	245	W	--	D	30	7-74	H	30	120	4	N	-
W 65	434207N0725854.1	960	HOLMES,DR EDGAR	1972 P	6	X	247	W	8	IO	45	5-72	H	5	--	4	N	-
W 66	434201N0725831.1	1050	GROSENBECK,E	1970 P	6	X	225	W	70	N	70	7-70	H	6	--	--	N	-
W 67	434307N0725937.1	750	CADY,PETER A	1972 A	6	O	110	W	--	PU	F	4-72	H	9	--	3	N	-
W 68	434343N0725922.1	930	BARNARD,DR H	1948 C	6	X	188	W	--	N	44	-48	H	2	--	--	-	-
W 69	434317N0730001.1	560	LA FRANCIS	1962 P	6	X	112	W	--	D	--	--	H	3	--	--	-	-
W 70	434310N0730059.1	610	WHITTEMORE,E M	1952 C	6	X	150	W	62	O	25	10-52	H	1	--	--	-	-
W 71	434356N0730213.1	570	NOSTER,EDWARD	1969 P	6	X	336	W	180	N	80	10-69	H	0.5	--	--	N	-
W 72	434404N0730227.1	500	MEYERS,SOL	1951 C	6	X	133	W	--	N	F	-51	H	10	--	--	-	-
W 73	434445N0730253.1	420	CURTIS,KENNETH	1977 P	6	X	255	W	150	ZN	12	3-77	H	6	--	4	N	-
W 74	434449N0730250.1	460	GLASGOW,JAMES	1972 P	6	X	100	W	70	N	25	6-72	H	2	--	1	N	-
W 75	434508N0730237.1	580	MILLER,L E	1977 C	6	X	62	W	5	L	15	8-77	H	4	--	--	N	-
W 76	434428N0730346.1	400	GIDDINGS,C G	1977 A	6	O	80	W	--	BG	30	4-77	H	10	--	5	N	-
W 77	434457N0730406.1	380	SCHAFER,EARL	1969 P	6	X	420	W	100	L	30	7-69	H	20	--	1	N	-
W 79	434242N0730404.1	430	HIER,ELWIN	1970 P	6	X	173	W	22	CN	0	6-70	H	0.8	--	1	N	-
W 80	434111N0730431.1	660	CLEMONS,REGINA	1976 P	6	X	130	W	39	--	--	--	H	2	--	1	N	-
W 81	434231N0730534.1	745	MORTENSON,H E	-- D	--	O	9	W	--	U	--	--	H	--	--	--	-	P
W 82	434257N0730440.1	490	LANSING,ALBERT	1974 P	6	X	165	W	12	O	20	12-74	H	15	--	2	N	-
W 83	434220N0730257.1	365	KALDY,JOHN SR	1962 P	6	X	296	W	--	D	--	--	H	4	--	--	-	-
W 84	434030N0730046.1	585	MERRILL,DENNIS	1970 P	6	X	170	W	80	D	50	7-70	H	20	--	--	N	P
W 86	434123N0730022.1	610	DUNN,BRIGGS	1972 P	6	X	300	W	50	L	50	6-72	H	40	--	--	N	-
W 88	434303N0735947.1	650	ALDRICH,W E	1971 A	6	O	37	W	--	BR	20	4-71	H	20	--	4	N	-
W 89	434013N0725631.1	1025	BOYNTON,DONALD	1972 P	6	X	190	W	75	N	--	--	H	6	--	2	N	-
W 90	434216N0730012.1	570	HUDSON,K D	-- -	6	X	260	W	5	CN	--	--	H	20	--	--	-	-
W 91	434147N0725904.1	745	BASHAW	-- -	6	O	110	W	--	U	--	--	H	6	--	--	-	-
W 92	434128N0725853.1	1180	ALTWATER,R	1973 P	6	X	223	W	18	N	--	--	H	1.5	--	2	-	-
W 93	434032N0725924.1	705	BREEZY MAPLE CT	-- -	6	O	200	W	--	G	F	--	C	20	--	--	-	-
X 1	434210N0730100.1	396	PITTSFORD TOWN	1965 W	2	O	25	T	--	--	8	-65	U	--	--	--	N	-
PROCTOR																		
B 1	434000N0730218.1	580	VT HWY DEPT	1974 W	2	O	20	T	--	--	--	--	U	--	--	--	N	-
R 1	483742N0730155.1	478	VT HWY DEPT	-- B	--	X	30	T	--	--	--	--	U	--	--	--	N	-
R 2	433832N0730158.1	476	VT HWY DEPT	-- B	--	X	30	T	--	--	--	--	U	--	--	--	N	-
R 3	433844N0730202.1	506	VT HWY DEPT	-- B	--	X	34	T	--	--	--	--	U	--	--	--	N	-
W 1	433953N0730131.1	380	PROCTOR VILLAGE	1960 C	8	S	126	W	--	4G	+6	6-60	P	273	8	24	N	-
W 2	433740N0730148.1	500	HANSON,CONNIE	1973 P	6	X	400	W	9	D	10	6-73	H	0.5	--	1	N	P
W 3	433944N0730252.1	680	BARTENSTEIN,M	1976 P	6	X	375	W	12	O	60	3-76	H	1.5	--	2	N	P
W 4	433829N0730155.1	520	LOSO,CHARLES J	1966 P	6	X	152	W	15	D	12	10-66	H	12	--	2	N	-
W 5	433810N0730200.1	530	PALMERINI,RENZO	1973 P	6	X	135	W	21	D	25	7-73	H	5	--	1	N	-
W 6	433748N0730221.1	495	LADABOUCHE,W	1948 C	6	X	125	W	--	O	6	-48	H	4	--	--	-	-
W 7	433839N0730234.1	490	MCCULLOUGH,H M	1948 C	6	X	229	W	--	O	5	-48	H	1.5	--	--	-	-
W 8	433927N0730210.1	490	PROCTOR VILLAGE	1960 -	--	O	63	T	62	--	--	--	U	--	--	--	N	-
W 9	433908N0730210.1	475	PROCTOR VILLAGE	1960 -	--	O	148	T	--	--	--	--	U	--	--	--	N	-
W 10	433906N0730237.1	490	PROCTOR VILLAGE	1960 -	--	O	116	T	--	--	--	--	U	--	--	--	N	-
W 11	433700N0730149.1	510	ALAN,PERRY	1965 P	6	X	398	W	--	O	--	--	H	1	--	--	-	-
W 12	434123N0730253.1	510	STAGG,DR C H	1969 P	6	X	298	W	8	L	11	9-69	H	3	--	1	N	-
RUTLAND CITY																		
B 1	433611N0725840.1	555	VT HWY DEPT	-- W	2	X	42	T	32	--	--	--	U	--	--	--	N	-
B 2	433631N0725923.1	534	CORPS OF ENG	1950 W	--	O	60	T	--	--	--	--	U	--	--	--	N	-
W 1	433628N0725705.1	670	RUTLAND CITY	1948 -	--	O	26	T	--	--	0	10-48	U	--	--	--	N	-
W 2	433529N0725858.1	538	RUTLAND CITY	1948 -	--	O	51	T	--	--	0	10-48	U	--	--	--	N	-
W 3	433543N0725649.1	662	RUTLAND CITY	1948 W	2	O	38	T	--	--	0	11-48	U	10	--	--	N	-
W 4	433544N0725909.1	537	RUTLAND CITY	1948 W	2	-	50	T	--	R	4	11-48	U	100	--	9	N	P
W 5	433717N0725704.1	679	RUTLAND CITY	1975 W	2	P	13	O	--	--	4	10-75	U	--	--	--	N	-
W 6	433713N0725654.1	703	RUTLAND CITY	1975 W	2	P	18	O	--	--	2	11-75	U	--	--	--	N	-
W 7	433709N0725653.1	707	RUTLAND CITY	1975 W	2	P	21	O	--	--	4	11-75	U	--	--	--	N	-
W 8	433705N0725704.1	687	RUTLAND CITY	1975 W	2	P	20	O	--	--	3	11-75	U	--	--	--	N	-

TABLE 6.--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	SW
					RUTLAND CITY --CONTINUED													
W 9	433545N0725914.1	530	US GEOL SURVEY	1976	W	1	T	54	T	--	9S	12	6-76	U	8	--	2	G	C
W 10	433612N0725924.1	525	US GEOL SURVEY	1976	W	2	O	58	T	--	--	4	6-76	U	--	--	--	G	-
W 11	433612N0725924.2	525	US GEOL SURVEY	1976	W	1	T	51	T	--	3S	6	6-76	U	0.9	--	A	G	-
W 12	433516N0725910.1	520	US GEOL SURVEY	1976	W	2	O	87	T	--	--	--	--	U	--	--	--	G	-
W 13	433710N0725924.1	550	US GEOL SURVEY	1976	W	4	O	24	T	--	--	4	7-76	U	--	--	--	G	-
W 14	433707N0725929.1	550	US GEOL SURVEY	1976	W	4	O	20	T	--	--	2	7-76	U	--	--	--	G	-
W 15	433616N0725938.1	550	US GEOL SURVEY	1976	B	4	O	36	T	--	--	10	7-76	U	--	--	--	G	-
W 16	433557N0725802.1	545	US GEOL SURVEY	1976	B	6	O	27	T	--	--	2	7-76	U	--	--	--	G	-
W 17	433600N0725920.1	540	US GEOL SURVEY	1976	B	6	O	32	T	--	--	--	--	U	--	--	--	G	-
W 18	433747N0725855.1	620	RUCKLIN,LLOYD G	1970	P	6	X	75	W	8	D	10	5-70	H	100	--	--	-	-
W 19	433634N0725912.1	538	FOLEY'S LAUNDRY	--	A	6	O	100	U	--	G	--	--	C	80	--	--	-	-
W 20	433532N0725840.1	542	TAMPAX CO.INC.	1954	W	2	O	127	T	--	--	23	9-54	U	--	--	--	-	-
X 2	433553N0725902.1	542	RUTLAND CITY	1974	B	--	X	19	T	--	--	--	--	U	--	--	--	D	-
X 3	433555N0725847.1	543	RUTLAND CITY	1974	B	--	X	19	T	--	--	--	--	U	--	--	--	D	-
X 4	433601N0725858.1	546	RUTLAND CITY	1974	B	--	X	19	T	--	--	--	--	U	--	--	--	D	-
X 5	433602N0725844.1	546	RUTLAND CITY	1974	B	--	X	19	T	--	--	--	--	U	--	--	--	D	-
X 7	433537N0725747.1	575	RUTLAND CITY	1974	B	--	X	8	T	--	--	--	--	U	--	--	--	D	-
X 10	433541N0725708.1	655	RUTLAND CITY	1974	B	--	X	9	T	--	--	--	--	U	--	--	--	D	-
X 11	433602N0725746.1	582	RUTLAND CITY	1974	B	--	X	7	T	--	--	--	--	U	--	--	--	D	-
X 12	433624N0725717.1	635	RUTLAND CITY	1974	B	--	X	9	T	--	--	--	--	U	--	--	--	D	-
X 13	433645N0725744.1	690	RUTLAND CITY	1974	B	--	X	9	T	--	--	--	--	U	--	--	--	D	-
X 14	433648N0725706.1	660	RUTLAND CITY	1974	B	--	X	8	T	--	--	--	--	U	--	--	--	D	-
X 16	433658N0725802.1	695	RUTLAND CITY	1974	B	--	X	9	T	--	--	--	--	U	--	--	--	D	-
X 18	433612N0725941.1	558	RUTLAND CITY	1960	W	2	O	26	T	--	--	--	--	U	--	--	--	D	-
X 20	433726N0725910.1	605	RUTLAND CITY	1970	W	2	O	23	T	--	--	--	--	U	--	--	--	D	-
X 23	433735N0725913.1	604	RUTLAND CITY	1970	W	2	O	17	T	--	--	--	--	U	--	--	--	D	-
X 24	433603N0730010.1	519	RUTLAND CITY	1973	B	2	X	27	T	--	--	3	7-73	U	--	--	--	D	-
X 25	433601N0730016.1	519	RUTLAND CITY	1973	B	2	X	8	T	--	--	--	--	U	--	--	--	D	-
X 28	433609N0725956.1	522	RUTLAND CITY	1973	B	2	X	8	T	--	--	7	7-73	U	--	--	--	D	-
X 32	433603N0725937.1	520	RUTLAND CITY	1973	B	2	X	8	T	--	--	--	--	U	--	--	--	D	-
X 34	433557N0725733.1	629	SOUTHEAST SCH.	1958	T	--	X	14	T	--	--	--	--	U	--	--	--	D	-
X 35	433540N0725839.1	542	VT ACHIEVMENT C	--	W	1	O	26	T	--	--	--	--	U	--	--	--	D	-
X 37	433553N0725719.1	650	RUTLAND HOSP.	1968	W	2	O	40	T	36	--	3	12-68	U	--	--	--	D	-
					RUTLAND TOWN													
B 1	433602N0730109.1	478	VT HWY DEPT	1957	W	2	X	38	T	36	--	--	--	U	--	--	--	D	-
B 2	433614N0730055.1	475	VT HWY DEPT	1957	W	2	O	18	T	--	--	--	--	U	--	--	--	D	-
B 4	433507N0725926.1	556	VT HWY DEPT	1971	W	2	O	36	T	--	--	--	--	U	--	--	--	D	-
B 6	433502N0725906.1	526	VT HWY DEPT	1971	W	2	O	126	T	--	--	--	--	U	--	--	--	D	-
B 7	433453N0725833.1	533	VT HWY DEPT	1971	W	2	X	87	T	76	--	--	--	U	--	--	--	D	-
B 8	433801N0725841.1	602	VT HWY DEPT	1972	W	2	O	32	T	--	--	--	--	U	--	--	--	D	-
B 9	433858N0725824.1	678	VT HWY DEPT	1949	W	--	O	21	T	--	--	--	--	U	--	--	--	D	-
R 7	433716N0730126.1	503	VT HWY DEPT	--	B	--	X	30	T	--	--	--	--	U	--	--	--	D	-
R 8	433727N0730140.1	480	VT HWY DEPT	--	B	--	X	35	T	--	--	--	--	U	--	--	--	D	-
R 9	433533N0730042.1	720	VT HWY DEPT	1971	B	--	X	21	T	--	--	--	--	U	--	--	--	D	-
R 11	433528N0730017.1	775	VT HWY DEPT	1971	W	2	O	62	T	--	--	--	--	U	--	--	--	D	-
R 14	433523N0730006.1	790	VT HWY DEPT	1971	B	--	X	79	T	--	--	--	--	U	--	--	--	D	-
R 17	433513N0725946.1	724	VT HWY DEPT	1970	W	2	O	49	T	--	--	--	--	U	--	--	--	D	-
R 20	433500N0725901.1	527	VT HWY DEPT	1971	W	2	O	65	T	--	--	--	--	U	--	--	--	D	-
R 23	433456N0725842.1	536	VT HWY DEPT	1971	W	2	O	103	T	--	--	--	--	U	--	--	--	D	-
R 25	433454N0725834.1	532	VT HWY DEPT	1971	W	2	O	94	T	--	--	--	--	U	--	--	--	D	-
R 26	433453N0725829.1	532	VT HWY DEPT	1972	W	2	O	97	T	--	--	--	--	U	--	--	--	D	-
R 27	433446N0725805.1	588	VT HWY DEPT	1971	W	2	O	60	T	--	--	--	--	U	--	--	--	D	-
R 28	433445N0725801.1	602	VT HWY DEPT	1971	B	--	X	44	T	--	--	--	--	U	--	--	--	D	-
W 1	433523N0725808.1	567	BERKSHIRE TRCTR	1950	C	6	X	135	W	--	L	20	-50	C	6	--	--	-	-
W 2	433518N0725810.1	565	LINDHOLM MOTORS	1952	C	6	O	65	W	--	R	20	-52	C	15	5	4	D	-
W 3	433720N0725711.1	670	WARD BAKING CO	--	C	6	O	122	W	--	R	7	--	N	10	--	--	-	-
W 4	433719N0725714.1	670	CASELLA,EDWARD	1974	P	6	X	90	W	74	D	--	--	H	8	--	2	-	P
W 6	433807N0725841.1	618	STATE POLICE	1969	P	6	X	490	W	85	L	7	3-69	H	2	--	2	D	P
W 7	433809N0725839.1	620	VT HWY DEPT	1969	P	6	X	340	W	7	L	F	12-69	H	150	--	4	D	P
W 8	433517N0725822.1	565	QUINN FREIGHT	1967	A	6	O	80	W	--	R	--	--	C	100	--	--	D	-
W 9	433911N0725622.1	870	RUTLAND CITY	1948	-	--	O	8	T	--	--	--	--	U	--	--	--	D	-
W 10	433911N0725640.1	835	RUTLAND CITY	1948	-	--	O	32	T	--	--	10	9-48	U	--	--	--	D	-
W 11	433900N0725703.1	788	RUTLAND CITY	1948	-	--	O	60	T	--	--	7	10-48	U	--	--	--	D	-
W 13	433711N0725646.1	725	GUYETTE,GARTH	1971	C	6	O	57	W	--	R	F	2-71	H	6	--	12	D	-
W 14	433712N0725627.1	785	LAFOUNTAIN,JOHN	1973	C	6	O	107	W	--	BR	35	11-73	H	7	--	6	D	P
W 18	433715N0725646.1	750	SANTWIRE,WAYNE	1972	C	6	O	68	W	--	G	4	6-72	H	10	--	4	-	P
W 19	433717N0725640.1	750	CROSSMAN,ROBERT	1970	A	6	O	72	W	--	BR	25	12-70	H	4	--	4	D	-
W 20	433517N0725831.1	550	TODD TRANS. CO.	1969	-	6	X	365	W	130	L	20	9-69	H	2	--	2	D	-
W 21	433513N0725828.1	560	SUBURB,PROPANE	1969	P	6	X	203	W	166	D	--	--	H	10	--	4	D	-
W 23	433514N0725821.1	560	SHEPARD SUPPLY	1974	A	6	O	103	W	--	DG	--	--	H	7	--	1	D	P
W 26	433500N0725821.1	560	HOLIDAY INN	1970	P	6	X	285	W	90	L	15	6-70	C	50	--	4	D	P
W 27	433500N0725821.2	560	HOLIDAY INN	1972	P	6	X	520	W	92	L	65	4-72	C	30	--	--	-	P
W 28	433425N0725758.1	640	SEWARD'S SALES	1973	C	6	X	210	W	112	L	50	4-73	H	10	--	2	D	-
W 30	433528N0725729.1	680	HOLM,RONALD	1970	P	6	X	740	W	150	L	30	7-70	H	3	--	3	D	-

TABLE 6.--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
					RUTLAND TOWN --CONTINUED														
W	31	433435N0725737.1	645	GEN.ELECTR.CO.	1975 P	6	X	350	W	75	L	20	3-75	N	60	--	8	D	-
W	32	433435N0725737.2	645	GEN.ELECTR.CO.	1975 P	6	X	365	U	50	L	--	--	U	2	--	--	D	-
W	33	433435N0725737.3	645	GEN.ELECTR.CO.	1975 P	6	X	440	W	90	L	--	--	N	20	--	10	D	-
W	36	433509N0725745.2	620	MOORE BUS.FORMS	1974 P	6	X	1000	W	12	N	36	10-74	N	25	--	8	D	-
W	38	433427N0725723.1	670	3M CO.	1974 P	6	X	270	W	11	D	--	--	N	100	--	4	D	-
W	39	433835N0725911.1	635	ROSEN,DAVID	1970 A	6	O	55	W	--	G	2	10-70	H	60	--	3	D	-
W	40	433523N0725945.1	660	CORSONES,GEORGE	1969 P	6	X	182	W	121	N	55	9-69	H	8	--	2	D	-
W	41	433537N0730001.1	690	SCHILLINGER,R F	1959 H	6	O	80	W	--	G	--	--	H	10	--	--	-	-
W	44	433542N0730008.1	675	GRAZIANO,A	1968 P	6	X	155	W	135	N	30	8-68	H	10	--	3	D	-
W	48	433521N0725943.1	650	KEENAN,EUGENE	1955 C	6	S	131	W	--	U	40	10-55	H	5	--	--	-	-
W	52	433502N0725802.1	580	HOWARD JOHNSON	-- -	6	X	485	W	--	N	--	--	C	--	--	--	-	-
W	57	433512N0725729.1	620	MOULTON,WILLARD	1952 -	6	X	192	W	--	D	24	-52	H	0.2	--	--	-	-
W	58	433545N0725633.1	690	FUSCO,A E	1960 P	6	X	102	W	--	D	F	5-60	H	10	--	--	-	-
W	59	433625N0730135.1	522	ROBERTS,LLOYD	1943 C	4	O	42	W	--	G	--	--	H	1	--	--	-	-
W	60	433627N0730136.1	525	LEONARD,R L JR	1975 P	6	X	280	W	100	CN	35	4-75	H	5	--	1	D	-
W	61	433635N0730142.1	565	FLORY,ANTHONY	1970 P	6	X	263	W	110	CN	20	9-70	H	25	--	1	D	-
W	62	433619N0730133.1	505	GILL,JOHN S	1965 P	6	X	203	W	--	D	--	--	H	10	--	--	-	-
W	63	433608N0730123.1	525	JOHNSON,C	1969 P	6	X	202	W	105	D	--	--	H	4	--	1	D	-
W	64	433607N0730119.1	495	STANLEY,MELVIN	1965 P	6	X	98	W	--	D	--	--	H	35	--	--	-	-
W	65	433812N0725858.1	660	OLES,FRANK	1969 A	6	O	91	W	62	JL	30	9-69	H	50	--	8	D	-
W	66	433552N0730124.1	515	TARNOWSKI,J	1963 P	6	X	68	W	--	D	--	--	H	3	--	--	-	-
W	67	433604N0730108.1	480	FLORY,JOHN	1961 H	6	O	37	W	--	U	--	--	H	8	--	--	-	-
W	70	433816N0725904.1	650	OLES,FRANK	1968 P	6	X	295	W	2	CN	35	11-68	H	75	--	8	D	-
W	71	433749N0730125.1	490	SPAULDING,W E	1963 P	6	X	96	W	--	O	--	--	H	1	--	--	-	-
W	73	433958N0730031.1	820	LAPLANTE,K A	1970 P	6	X	203	W	10	O	10	7-70	H	1	--	1	D	-
W	75	433930N0730007.1	730	MIDDLETON,JOHN	1966 P	6	X	150	W	8	L	7	7-66	H	5	--	1	D	-
W	78	433936N0730004.1	705	VALENTE,CARMINE	1967 P	6	X	145	W	37	L	--	--	H	9	--	1	D	-
W	79	433623N0725611.1	860	NOVEMBRINO,D A	1969 P	6	X	245	W	210	CN	145	6-69	H	5	--	4	D	-
W	80	433630N0725616.1	890	GOODKIN,A R	1961 C	6	S	217	W	--	U	123	8-61	H	3	--	--	-	-
W	81	433627N0725623.1	840	SELVA,JOSEPH J	1966 P	6	X	232	W	150	D	--	--	H	45	--	2	D	-
W	82	433629N0725651.1	765	WYLIE,HENRY	1953 C	6	S	100	W	--	U	35	7-53	H	5	--	--	-	-
W	83	433638N0725640.1	835	SPENCER,LAVERNE	1973 P	6	X	235	W	192	D	--	--	H	5	--	1	D	-
W	84	433716N0725617.1	820	LORD,THOMAS G	1959 H	6	S	150	W	--	U	--	--	H	2	--	--	-	-
W	85	433729N0725706.1	660	SWEET,H A	1974 P	6	X	140	W	70	CN	30	8-74	H	8	--	2	D	-
W	86	433932N0725957.1	720	SEAGER,GUY E	1966 P	6	X	140	W	5	N	35	10-66	H	3	--	1	D	-
W	87	433926N0725949.1	740	CHRISTENSON,W L	-- P	6	X	165	W	--	N	--	--	H	--	--	--	-	P
W	88	433913N0725940.1	690	FITZGERALD,H R	1967 P	6	X	127	W	24	D	--	--	H	6	--	1	D	-
W	90	433921N0725918.1	680	FENTON,EDWARD C	1966 P	6	X	128	W	45	D	4	12-66	H	5	--	2	D	-
W	92	433922N0725859.1	750	CIOFFI ERNEST M	1975 P	6	X	472	W	0	IL	60	11-75	H	1	--	2	D	-
W	93	433841N0725901.1	700	MERRILL,MAX H	1972 C	6	X	255	W	1	CN	50	12-72	H	3	--	2	D	P
W	94	433802N0725925.1	670	BEEBE,MRS. M J	1964 P	6	X	178	W	--	N	--	--	H	20	--	--	-	P
W	96	433750N0725922.1	630	JENSON,L N	1967 P	6	X	202	W	15	D	10	6-67	H	3	--	1	D	-
W	97	433806N0725854.1	635	HATCH,STEARNS S	1968 P	6	X	275	W	35	CN	25	9-68	H	1.5	--	--	D	-
W	98	433807N0725851.1	620	FIRE STATION #1	1967 P	6	X	300	W	25	D	20	10-67	H	1	--	1	D	-
W	99	433800N0725838.1	615	COLBURN,I H	-- P	6	X	--	W	--	D	--	--	H	--	--	--	-	P
W	104	433944N0725709.1	980	JOHNSON,OLIVER	1955 C	6	X	163	W	--	D	F	12-55	H	10	--	--	-	-
W	105	433945N0725701.1	990	MANNEY,FRANK H	1968 P	6	X	111	W	25	N	5	4-68	H	6	--	1	D	-
W	106	433941N0725703.1	955	WALLACE,EMERSON	1977 P	6	X	170	W	23	N	15	2-77	H	7	--	1	D	-
W	109	433751N0725634.1	825	GOODRICH,E C	1973 C	6	O	156	W	--	RR	60	1-73	H	5	--	70	D	-
W	110	433757N0725627.1	845	RAYMOND,ELSIE	1967 C	6	O	150	W	--	BG	--	--	H	15	--	2	D	-
W	112	433759N0725639.1	830	SMITH,WESLEY G	1972 C	6	O	209	W	--	R	35	2-72	H	4	--	48	D	-
W	114	433804N0725641.1	800	THOMSON,G F	1969 A	6	O	185	W	--	9S	50	9-69	H	25	130	4	D	-
W	117	433809N0725629.1	865	BLOSSER,GEORGE	1973 C	6	O	155	W	--	R	41	5-73	H	4	--	8	-	P
W	118	433809N0725641.1	800	WOODS,F E	1950 C	6	O	143	W	--	R	14	-50	H	1	--	--	-	-
W	119	433810N0725640.1	815	SWAHN,JOHN A	-- D	--	O	14	W	--	U	--	--	H	--	--	--	-	P
W	120	433815N0725646.1	820	MORSE,C JOHN	1970 A	6	O	215	W	--	G	50	9-70	H	12	--	--	-	-
W	121	433821N0725630.1	865	SENECAL,HENRY A	1970 C	6	O	70	W	--	4G	26	1-70	H	5	24	48	D	-
W	122	433850N0725648.1	910	REPETA,THOMAS	1973 C	6	O	165	W	--	R	75	10-73	H	3	--	5	D	-
W	124	433821N0725735.1	765	GOODRICH,DARREL	1965 P	6	X	277	W	--	D	--	--	H	3	--	--	-	-
W	127	433815N0725737.1	750	MONDELLA,P F	1967 P	6	X	187	W	155	D	45	4-67	H	55	--	1	D	-
W	128	433812N0725740.1	740	KELSEY,L R	1968 P	6	X	344	W	95	D	25	5-68	H	20	--	1	-	-
W	132	433805N0725735.1	680	OBIOKO,MARGARET	1971 P	6	X	128	W	84	D	--	--	H	20	--	1	D	-
W	133	433801N0725736.1	670	A & H REALTY	1972 P	6	X	158	W	135	D	20	5-72	H	100	--	1	-	-
W	135	433802N0725742.1	695	ARMSTRONG,E	1971 P	6	X	163	W	110	D	--	--	H	3	--	1	D	P
W	138	433758N0725742.1	685	CRAGIN,JOHN J	1968 P	6	X	403	W	210	D	25	4-68	H	2	--	1	-	-
W	139	433756N0725742.1	650	SEWARD,DAVID L	1972 P	6	X	195	W	175	D	5	10-72	H	150	--	1	D	P
W	142	433800N0725750.1	670	HAYES,C E JR	1970 P	6	X	155	W	125	D	40	3-70	H	15	--	2	D	-
W	147	433759N0725802.1	695	HARRIS,DALE A	1971 P	6	X	278	W	30	D	40	4-71	H	10	--	1	-	-
W	150	433805N0725802.1	655	ENGLISH,JAMES	1973 P	6	X	158	W	44	D	10	4-73	H	100	--	1	D	-
W	154	433802N0725745.1	685	BOYD,RALPH F	1970 P	6	X	215	W	194	D	45	5-70	H	100	--	1	-	-
W	159	433814N0725747.1	750	A & H REALTY	1970 P	6	X	193	W	178	ZD	45	5-70	H	100	--	2	D	-
W	162	433824N0725739.1	775	SENECAL,NOEL E	1960 P	6	X	157	W	10	L	--	--	H	2	--	--	-	P
W	163	433750N0725616.1	850	PRITCHARD,A	1966 A	6	O	99	W	--	3G	60	9-66	H	25	30	2	D	-
W	164	433817N0725953.1	850	LAMAR,N M	-- -	6	X	110	W	--	N	--	--	H	--	--	--	-	P
W	166	493803N0725922.1	675	CROWLEY,P T	1953 P	6	X	136	W	12	D	--	--	H	10	--	--	-	P

TABLE 6.--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
					RUTLAND TOWN --CONTINUED													
W 168	433919N0725926.1	690	RUTLAND TOWN	1975 P	6	X	100	W	17	N	F	4-75	H	10	--	1	D	-
W 169	433515N0725705.1	650	WATTERLUND,G F	1972 P	6	X	320	W	293	L	F	11-72	H	100	--	10	D	-
W 170	433522N0725750.1	605	CARRIS,HENRY M	-- P	6	X	200	W	150	D	--	--	H	100	--	--	-	-
W 171	433724N0725708.1	655	ANIMAL CLINIC	1971 A	6	O	105	W	--	G	5	7-71	H	8	--	--	D	-
W 172	433829N0725731.1	770	SENECAL,LEE	1968 P	6	X	200	W	5	D	--	--	H	1.3	--	1	D	-
W 173	433838N0725733.1	760	LANFEAR,WILMER	1977 P	6	X	145	W	45	D	--	--	H	35	--	2	D	-
W 174	433739N0725654.1	710	PICO VILLA	-- -	6	O	66	W	--	U	--	--	P	20	--	--	-	P
W 175	433749N0725645.1	800	HOADLY,WARREN R	1954 C	6	S	64	W	--	U	20	-54	H	5	--	--	-	-
W 176	433801N0725620.1	855	STILES,EUGENT T	1973 C	6	X	250	W	170	O	30	9-73	C	4	--	4	D	-
W 177	433805N0725643.1	795	PIDGEON,LUCIUS	-- D	--	O	--	W	--	--	--	--	H	--	--	--	-	P
W 179	433826N0725706.1	810	BARKER,PATRICIA	1976 A	6	O	81	W	--	U	40	5-76	H	8	--	16	D	-
W 181	433841N0725648.1	885	ZULLO,FRANK	1960 P	6	X	125	W	--	D	--	--	H	1.5	--	--	-	-
W 182	433843N0725631.1	960	GIBBS,ARTHUR F	-- H	6	-	400	U	--	--	--	--	U	1.5	--	--	-	-
W 183	433843N0725631.2	960	GIBBS,ARTHUR F	1967 C	6	O	150	W	--	R	23	8-67	H	1.5	--	2	D	-
W 184	434001N0725646.1	920	KENDALL,HAROLD	1968 P	6	X	196	W	105	D	--	--	H	40	--	--	D	-
W 185	434000N0725647.1	890	CLIFFORD,EARL	1970 C	6	X	142	W	57	N	--	--	H	10	--	4	D	-
W 186	433956N0725649.1	905	MALETTA,DR T	1974 P	6	X	247	W	35	N	35	5-74	H	6	--	2	D	-
W 187	433954N0725652.1	900	BAKER,OREN	1968 P	6	X	146	W	55	N	30	3-68	H	4	--	--	D	-
W 188	433948N0725709.1	1100	DOLAN,JOHN JR	1973 P	6	X	122	W	57	O	15	7-73	H	20	--	2	D	-
W 189	433917N0725751.1	770	HOUGHTON,LEE B	1970 P	6	X	280	W	70	D	15	9-70	H	6	--	--	D	-
W 190	433853N0725824.1	700	WHITE,JAMES W	1962 P	6	X	135	W	--	D	--	--	H	1.5	--	--	-	-
W 191	433813N0725910.1	675	O.THOMAS DAIRY	1971 P	6	X	600	W	4	D	20	4-71	N	2	--	1	D	-
W 193	433930N0725920.1	725	KELLOGG,KENNETH	1968 P	6	X	188	W	20	D	10	4-68	H	5	--	1	D	-
W 194	433951N0725910.1	850	SCHOENFIELD,C D	1969 P	6	X	105	W	13	N	--	--	H	8	--	1	D	-
W 195	433954N0725917.1	860	BYRNE,BARRIE	1969 P	6	X	80	W	15	N	--	--	H	4	--	--	D	-
W 196	434001N0725913.1	810	PISCOPO,GENE	1973 P	6	X	172	W	4	L	40	9-73	H	6	--	3	D	-
W 197	433940N0725956.1	705	SANBORN,B M	1967 P	6	X	162	W	10	N	--	--	H	8	--	1	D	-
W 198	433808N0725956.1	900	TYE,MISS L M	1940 C	6	X	76	W	4	N	--	--	H	2	--	--	-	-
W 200	433959N0730008.1	725	CREED,DAVID	1977 P	6	X	400	W	5	O	--	--	H	2	--	--	D	-
W 203	433648N0730105.1	490	DUNTON,WALTER M	1960 H	6	O	52	W	--	G	--	--	H	6	--	--	-	-
W 204	433558N0730113.1	490	DUNTON,WALTER M	1969 P	6	X	97	W	50	CN	15	9-69	H	100	--	2	D	-
W 206	433718N0725715.1	675	KUSINA,T S	1974 P	6	X	120	W	55	JN	--	--	H	20	--	2	D	-
W 207	433722N0725712.1	660	BOGART,JOHN	1974 P	6	X	150	W	135	JN	--	--	H	50	--	2	D	-
W 208	433719N0725703.1	670	PFENNING,FRANK	1976 P	6	X	70	W	25	ZD	F	9-76	H	4	--	1	D	-
W 211	433634N0725637.1	850	KELLEY,RICHARD	1976 P	6	X	175	W	153	JD	--	--	H	75	--	1	D	-
W 213	433640N0725628.1	890	ROCKY RIDGE	1966 H	6	X	290	W	160	CN	90	6-66	P	22	--	4	D	-
W 214	433641N0725631.1	870	GREEN MTN.HOMES	-- -	6	X	265	W	--	D	--	--	P	27	12	48	-	P
W 215	433622N0725622.1	850	LEFRANCOIS,D E	1966 C	6	X	156	W	100	O	--	--	H	20	--	2	D	-
W 216	433720N0725719.1	650	JUSTER CORP.	1973 A	6	O	155	W	--	4S	7	8-73	C	20	--	72	D	P
W 218	433818N0725907.1	650	OLES,FRANK	1967 P	6	X	200	W	4	CN	10	3-67	H	2	--	2	D	-
W 220	433941N0725959.1	700	OLES,FRANK	1971 P	6	X	175	W	30	CN	15	6-71	H	10	--	--	D	-
W 224	433907N0725711.1	860	COLONIAL ESTATE	1974 C	6	X	300	W	180	L	75	3-75	P	38	5	48	D	P
W 225	433747N0725638.1	780	OAKMAN ELECTRIC	1974 D	30	O	15	U	--	U	--	--	U	--	--	--	-	P
W 226	433514N0725729.1	615	CARRARA,JOSEPH	1973 P	6	X	250	W	25	L	--	--	H	20	--	1	D	-
W 227	433526N0725715.1	670	CARRARA,ROBERT	1976 P	6	X	250	W	85	D	15	11-76	H	20	--	1	D	-
W 228	433543N0725636.1	675	ALTRUI,PETER A	1967 P	6	X	175	W	33	CN	25	4-67	H	2	--	2	D	-
W 229	433726N0725625.1	810	GREEN ACRES	1968 C	6	O	140	W	--	U	30	6-75	P	12	--	72	-	P
W 230	433726N0725625.2	810	GREEN ACRES	1968 C	6	O	160	W	--	U	20	6-75	P	16	--	72	-	P
W 231	433726N0725625.3	810	GREEN ACRES	1976 P	6	X	245	W	170	N	50	11-76	P	15	--	2	-	-
W 233	434007N0725637.1	960	OTOROWSKI,W J	1970 P	6	X	238	W	85	D	15	6-70	H	12	--	1	D	-
W 235	433839N0725640.1	875		-- -	6	O	200	W	--	U	--	--	H	50	--	--	-	-
W 236	433631N0730047.1	550	FIRE DISTRICT 1	1964 -	6	X	75	W	--	O	--	--	P	14	--	--	-	P
W 237	433630N0725620.1	870	SUNSET ACRES	1971 -	6	O	430	W	--	--	130	4-71	P	30	--	6	-	P
W 239	433620N0725625.1	820	MTN.VIEW ESTATE	1969 -	6	X	400	W	--	D	30	-69	P	50	--	--	-	-
W 240	433620N0725625.2	820	MTN.VIEW ESTATE	1969 -	6	X	200	W	--	D	30	-69	P	50	--	--	-	-
W 241	433615N0725637.1	770	KILLINGTON HGTS	-- -	6	X	300	W	--	D	--	--	P	40	--	--	-	-
W 242	433840N0725827.1	720	COUNTRYSIDE EST	-- -	6	X	200	W	60	L	30	--	P	40	--	--	-	-
W 243	433746N0725619.1	820	GREEN ACRES	1975 C	6	O	140	W	--	U	15	6-75	P	10	--	72	-	P
W 244	433714N0725636.1	765	CROSSMAN,BUD	1975 -	6	X	230	W	173	N	15	8-75	P	75	--	2	-	P
X 2	433457N0725739.1	630	RUTLAND TOWN	1974 -	--	-	15	T	--	--	0	-74	U	--	--	--	D	-
X 3	433442N0725736.1	652	RUTLAND TOWN	1974 -	--	-	12	T	--	--	3	-74	U	--	--	--	D	-
X 4	433437N0725746.1	655	RUTLAND TOWN	1974 -	--	-	15	T	--	--	6	-74	U	--	--	--	D	-
X 5	433604N0730059.1	542	RUTLAND TOWN	1970 W	--	O	12	T	--	--	--	--	U	--	--	--	D	-
					SHREWSBURY													
B 1	433224N0725234.1	1358	VT HWY DEPT	-- W	2	O	25	T	--	--	--	--	U	--	--	--	D	-
B 2	433301N0725132.1	1605	VT HWY DEPT	1973 W	2	O	20	T	--	--	--	--	U	--	--	--	D	-
W 1	433002N0725354.1	940	KELLY,DONALD	1971 C	6	O	57	W	--	2G	6	1-71	H	75	--	3	D	P
W 2	433033N0725206.1	1655	STEELE,T	1971 P	6	X	209	W	17	O	25	7-71	H	2	--	1	D	P
W 3	433209N0725202.1	1490	CYR,CAMILLE	1975 C	6	O	73	W	--	4G	8	5-75	H	8	--	5	D	-
W 4	433159N0724926.1	1860	CARRARA,D	1969 P	6	X	112	W	42	O	10	6-69	H	4	--	1	D	-
W 5	433158N0725126.1	1580	CARRARA ANGELIE	-- D	--	O	8	W	--	U	--	--	H	--	--	--	-	P
W 6	433037N0725444.1	1000	HUBBY,JOSEPH	1970 C	6	X	110	W	70	N	60	5-70	H	4	--	4	D	-
W 7	433026N0725416.1	1000	BURNETT,F H	1971 P	6	X	274	W	195	O	--	--	H	2	--	--	D	-
W 8	433357N0725530.1	1160	STEVENS,GARY	1971 P	6	X	60	W	8	O	10	11-71	H	5	--	1	D	-

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 LEVEL DATE MEASURED	WATER LEVEL USE	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	DW
					SHREWSBURY --CONTINUED															
W	9	433149N0724955.1	1730	CYR,CONRAD	1970 P	6	X	188	W	132	N	10	10-70	H	1	--	1	D	P
W	10	433153N0724958.1	1740	COOPER,THOMAS	1973 P	6	X	123	W	10	O	--	--	H	5	--	1	D	-
W	11	433141N0724947.1	1700	CARRARA,B	1967 P	6	X	98	W	25	O	8	3-67	H	20	--	1	D	-
W	12	433131N0724951.1	1680	ELEMENTARY SCH.	1974 P	6	X	145	W	28	O	7	4-74	H	35	--	1	D	-
W	13	433121N0725026.1	1720	GRAHAM,PEARL	1971 P	6	X	200	W	20	O	15	10-71	H	150	--	8	D	-
W	14	433028N0725147.1	1630	EDDY,CHARLES	1966 C	6	O	62	W	--	BG	4	10-66	H	5	--	3	D	-
W	15	433106N0725125.1	1960	ASER,THOMAS	1967 P	6	X	262	W	10	O	--	--	H	30	--	1	D	-
W	16	433200N0725133.1	1660	BARRON,RUBY	1973 P	6	X	322	W	75	N	20	7-73	H	4	--	1	D	-
W	17	432904N0725220.1	1270	RIDLON,ALAN G	1974 A	6	O	65	W	--	G	15	10-74	H	15	--	2	D	-
W	18	432942N0725252.1	1180	PRATT,H D	1974 A	6	O	106	W	--	BR	15	2-74	H	5	--	3	D	-
W	19	432902N0725512.1	1600	SPR,LAKE RANCH	1967 P	6	X	96	W	14	N	--	--	H	6	--	1	D	-
W	20	432932N0725402.1	1180	WELLS,MICHAEL	1967 P	6	X	80	W	38	N	--	--	H	10	--	1	D	-
W	21	432937N0725022.1	1520	HARRINGTON,A	1974 P	6	X	165	W	120	O	--	--	H	6	--	1	D	-
W	23	432916N0725258.1	1000	FISKE,CLINTON G	1971 P	6	X	110	W	4	N	20	10-71	H	12	--	1	-	-
W	24	432931N0725319.1	980	RICHARDS,GEORGE	1972 C	6	X	68	W	34	CN	F	5-72	H	51	--	3	D	-
W	25	432948N0725337.1	980	COBURN,CARROLL	1972 C	6	O	58	W	--	4G	6	2-72	H	50	--	8	D	-
W	26	432952N0725004.1	1700	SHREWS,FARM INC	1974 P	6	X	225	W	12	N	5	10-74	S	2	--	1	D	-
W	27	432945N0724805.1	1800	JESSER,JOHN	1971 P	6	X	300	W	27	O	30	3-71	H	12	--	1	D	-
W	28	432930N0724740.1	1880	AUSTIN,JAMES	1972 C	6	X	135	W	2	N	38	6-72	H	45	--	2	D	-
W	29	432939N0725109.1	1700	LEVAN,DR ARTHUR	1971 P	6	X	194	W	3	O	50	7-71	H	8	--	1	D	-
W	30	432942N0725302.1	1140	MELEN,JOHN P	1973 P	6	X	195	W	140	N	154	2-73	H	6	--	4	D	-
W	31	433041N0725444.1	1000	TURCO,DELMER	1967 P	6	X	171	W	49	O	--	--	H	1	--	1	D	-
W	32	433028N0725417.1	1010	TRAVER,DONALD	1971 A	6	O	169	W	--	G	--	--	H	50	--	2	D	-
W	33	433212N0724912.1	2080	FRENCH,HOWARD	1971 P	6	X	150	W	17	O	--	--	H	0.5	--	8	D	-
W	35	433007N0724919.1	1650	ROMANO,JAMES	1967 P	6	X	158	W	55	SN	--	--	H	50	--	1	D	-
W	36	433147N0724937.1	1770	ERICKSON,ERNEST	1970 P	6	X	127	W	52	O	--	--	H	3	--	1	D	-
W	37	433031N0725156.1	1640	KAEMPF,F	1973 P	6	X	200	W	144	N	15	10-73	H	10	--	2	D	-
W	38	433115N0725040.1	1760	PERRY,GEORGE F	1968 C	6	X	125	W	20	N	15	7-68	H	30	--	2	D	-
W	39	433157N0724922.1	1850	CARRARA,M	1970 P	6	X	98	W	57	N	12	10-70	H	5	--	1	D	-
W	41	433039N0725402.1	1300	PATTEN ARTHUR	1975 P	6	X	298	W	2	N	20	12-75	H	1	--	--	D	-
W	42	433036N0725351.1	1260	PATTEN,JOSEPH	1972 P	6	X	272	W	18	O	35	11-72	H	2	--	2	D	-
W	44	433332N0725555.1	1000	CARRUTH,HARRY	1974 P	6	X	175	W	32	N	14	9-74	H	2	--	2	D	-
W	45	433328N0725451.1	1200	GILLIGAN,E J	1971 P	6	X	322	W	46	N	17	8-71	H	6	--	2	D	-
W	46	433318N0725512.1	1410	BRINKERHOFF	1974 P	6	X	775	W	1	O	5	7-74	H	1.5	--	1	-	-
W	47	433035N0725211.1	1675	SHREWSHURY CH.	1976 P	6	X	225	W	70	O	30	9-76	T	25	60	2	D	-
W	48	433052N0725020.1	1840	RAYMOND,H F	1970 P	6	X	326	W	30	N	58	7-70	H	40	--	1	-	-
W	49	433139N0724950.1	1680	HARTWELL & CO.	1972 P	6	X	129	W	93	ZN	5	6-72	H	12	--	8	D	-
W	50	433240N0725044.1	1715	BINGHAM,W H	1969 P	6	X	148	W	57	O	30	5-69	H	1.5	--	1	D	-
W	51	433201N0725031.1	1790	SCHMIDT,GEORGE	1973 P	6	X	220	W	34	N	10	9-73	H	3	--	--	D	-
W	52	433047N0724840.1	1990	LEWIS,THEODORE	1976 P	6	X	310	W	5	O	--	--	H	1	--	1	D	-
W	53	433119N0725038.1	1740	BEAM,FORREST	1967 P	6	X	220	W	8	O	4	3-67	H	0.2	--	2	D	-
W	54	433738N0725320.1	960	THORNE,ARTHUR J	1973 P	6	X	150	W	50	N	3	3-73	H	4	--	2	D	-
W	55	433158N0725225.1	1580	SCHOTT G	1970 P	6	X	300	W	26	O	20	7-70	H	5	--	1	D	-
W	57	432928N0724820.1	1670	OLNEY,WILLIAM	1972 P	6	X	163	W	38	N	35	12-72	H	6	--	2	D	-
W	58	433045N0725134.1	1770	REED,JAMES J	1970 P	6	X	200	W	40	O	15	10-70	H	4	--	1	D	-
W	59	433213N0725216.2	1420	PERRY,ARNOLD	1974 P	6	X	115	W	90	O	20	8-74	H	5	--	--	D	-
W	60	433225N0724858.1	2160	RONO,SOREN	1970 P	6	X	290	W	7	N	9	11-70	H	25	--	1	D	-
W	61	433207N0725228.1	1515	WALSH,JOHN	1972 P	6	X	190	W	31	O	30	1-72	H	5	--	8	D	-
W	62	432949N0725342.1	950	SPENCER,JOHN M	1954 C	6	S	67	W	--	U	6	6-54	H	35	--	--	-	-
W	63	433013N0725402.1	938	JOHNSTON,DAVID	1973 P	6	X	210	W	65	N	20	4-73	H	25	--	2	D	-
W	64	433324N0725303.1	1610	HARRISON,W T	1967 P	6	X	250	W	3	O	2	10-67	H	2	--	1	D	-
W	65	432932N0725314.1	970	JANSSEN,F H	1960 P	6	X	160	W	58	N	F	9-60	H	24	--	--	-	-
W	67	433259N0725139.1	1650	STAHL,GUSTAV W	1969 P	6	X	190	W	100	O	30	5-69	H	1.5	--	1	D	-
W	68	433001N0725037.1	1710	CIMONETTE,JOE	1967 P	6	X	138	W	40	O	F	3-67	H	4	--	1	D	-
W	69	433136N0724957.1	1660	CARRARA,M	1973 P	6	X	114	W	37	N	0	7-73	H	2	--	2	D	-
W	70	433145N0724941.1	1755	CRICKMORE,ALLEN	1968 P	6	X	143	W	40	O	10	3-68	H	2	--	1	D	-
W	71	432928N0725037.1	1580	ORESMAN, A L	1948 C	6	X	166	U	--	N	86	-48	H	20	--	--	-	-
W	72	433149N0724921.1	1860	CARRARA,M	1972 C	6	X	91	W	35	N	F	4-72	H	5	--	3	D	-
W	73	433253N0725228.1	1590	KLINE,STERLING	1973 P	6	X	295	W	23	O	--	--	H	7	--	1	D	-
W	74	433023N0725414.1	980	MARTIN,J	1968 C	6	O	50	W	--	G	+7	5-68	H	30	--	4	D	-
W	75	433343N0725557.1	970	BREZNICK,W	1976 P	6	X	205	W	30	CN	10	10-76	H	30	--	2	D	-
W	76	432928N0725018.1	1490	BRIEN,ROBERT	-- -	6	O	125	W	--	G	--	--	H	50	--	--	-	-
W	77	433001N0725218.1	1360	MANDIGO,JOHN	-- -	6	O	170	W	--	G	--	--	H	75	--	--	-	-
W	78	433014N0725306.1	1420	JOHNSON,R V	-- -	6	X	82	W	--	N	--	--	H	--	--	--	-	-
W	79	433023N0724846.1	1865	BAILEY,C A	-- -	6	X	247	W	--	N	--	--	H	75	--	--	-	-
W	80	432935N0724818.1	1690	WOODS,L A	-- -	6	X	263	W	--	N	--	--	H	6	--	--	-	-
W	81	432911N0724906.1	1635	ORESMAN,C	-- -	6	X	289	W	--	N	--	--	H	3	--	--	-	-
W	82	432916N0725016.1	1510	KAVANAUGH,C P	-- -	6	O	72	W	--	U	--	--	H	12	--	--	-	-
					WEST RUTLAND															
B	2	433618N0730358.1	490	VT HWY DEPT	1965 W	2	X	61	T	50	--	--	--	U	--	--	--	D	-
B	3	433615N0730357.1	521	VT HWY DEPT	1966 W	2	X	36	T	27	--	--	--	U	--	--	--	D	-
B	4	433516N0730245.1	523	VT HWY DEPT	1965 W	2	O	80	T	--	--	--	--	U	--	--	--	D	-
B	5	433518N0730225.1	502	VT HWY DEPT	1971 W	2	X	114	T	104	--	--	--	U	--	--	--	D	-
B	6	433519N0730225.1	500	VT HWY DEPT	1971 W	2	O	132	T	--	--	--	--	U	--	--	--	D	-

TABLE 6.--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 USF	PUMPAGE YIELD (GPM)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
WEST RUTLAND --CONTINUED																				
B	7	433518N0730219.1	497	VT HWY DEPT	1971	W	2	X	62	T	52	--	--	--	U	--	--	--	D	-
R	4	433521N0730218.1	500	VT HWY DEPT	1971	W	2	X	71	T	58	--	--	--	U	--	--	--	D	-
R	5	433522N0730200.1	638	VT HWY DEPT	1971	W	2	X	90	T	19	--	--	--	U	--	--	--	D	-
R	6	433533N0730108.1	760	VT HWY DEPT	1971	B	--	X	29	T	--	--	--	--	U	--	--	--	D	-
R	8	433620N0730409.1	495	VT HWY DEPT	--	B	--	X	25	T	--	--	--	--	U	--	--	--	D	-
W	1	433510N0730225.1	511	W RUTLAND F D 1	1950	C	18	G	34	W	--	R	12	9-50	P	250	6	8	D	M
W	2	433458N0730304.1	670	ROSS,DONALD	1966	C	6	O	75	W	--	U	18	8-66	H	5	--	--	D	P
W	3	433640N0730251.1	670	SENECAL,LOUIS	1970	P	6	X	98	W	25	O	15	9-70	H	5	--	1	D	P
W	4	433618N0730503.1	520	ROGERS,JOHN P	1971	C	6	X	194	W	8	O	6	8-71	H	4	--	2	D	-
W	5	433741N0730404.1	520	BARONE,NICHOLAS	1975	C	6	X	180	W	60	F	F	10-75	H	10	115	4	D	P
W	6	433813N0730404.1	510	BROWN,WALTER	1973	P	6	X	280	W	5	O	--	--	H	2	--	1	D	-
W	7	433917N0730430.1	569	GRABOWSKI,M	1969	P	6	X	285	W	3	O	5	10-69	H	0.8	--	1	D	-
W	8	433430N0730156.1	540	GORHAM,FRANK	1969	P	6	X	620	W	60	O	--	--	H	1	--	--	-	-
W	11	433527N0730159.1	530	HINKLEY ESTATE	--	-	6	X	405	W	--	O	--	--	H	--	--	--	-	P
W	13	433431N0730210.1	555	LAYDEN,E JR	1972	P	6	X	475	W	28	O	--	--	H	0.5	--	1	D	-
W	14	433500N0730304.1	660	HULTZ,DR C	1966	C	6	X	150	W	118	F	14	12-66	H	5	--	8	D	-
W	15	433613N0730349.1	530	KASPERZAK,J	1967	C	6	X	100	W	7	O	20	6-67	H	8	--	4	D	-
W	16	433614N0730444.1	540	PAWLUSIAK,F	1967	P	6	X	127	W	55	O	--	--	S	40	--	1	D	-
W	17	433716N0730315.1	610	KURANT,MICHEAL	1968	P	6	X	276	W	15	O	7	3-68	H	0.8	--	1	D	-
W	18	433543N0730133.1	495	REARDON	1962	P	6	X	275	W	--	O	--	--	H	2	--	--	-	-
W	22	433908N0730425.1	555	JACKSON,PERLEY	1971	P	6	X	700	U	15	O	--	--	U	2	--	--	-	-
W	23	433749N0730408.1	540	SPRINGER,NEIL	1972	P	6	X	325	W	15	O	5	6-72	H	0.5	--	1	D	-
W	24	433750N0730405.1	520	WEDIN,LEO	1975	C	6	X	165	W	130	O	8	11-75	H	12	--	4	D	-
W	25	433729N0730402.1	530	PECOR,CLINTON	1971	P	6	X	174	W	4	O	5	4-71	H	1.5	--	1	D	-
W	26	433700N0730352.1	550	JARROSAK,W	1970	C	6	X	255	W	14	O	60	4-70	H	1	--	3	D	-
W	27	433616N0730441.1	530	GRABOWSKI,FRANK	1967	P	6	X	400	W	80	O	60	10-67	H	0.5	--	1	D	-
W	29	433630N0730230.1	815	KELLER,ADOLPH	1973	P	6	X	540	W	14	O	30	11-73	H	2	--	1	D	P
W	30	433625N0730229.1	810	PERRY,RALPH JR	1975	C	6	X	167	W	30	O	8	1-75	H	8	--	4	D	-
W	31	433747N0730405.1	530	WEDIN,ERNEST	1974	C	6	O	100	W	--	4G	--	--	H	30	--	--	D	-
W	32	433417N0730206.1	580	TURNER,JOSEPH	1976	P	6	X	110	W	2	O	25	8-76	H	4	--	4	-	-
W	33	433556N0730256.1	495	GREEN MT MARBLE	1963	D	48	O	12	W	--	R	4	-63	N	100	--	--	-	-
W	34	433637N0730223.1	870		--	-	6	X	200	W	--	O	--	--	H	1	--	--	-	-
X	1	433551N0730237.1	495	VERMONT MARBLE	1964	-	--	O	98	T	--	--	--	--	U	--	--	--	D	-
X	2	433532N0730242.1	495	VERMONT MARBLE	1963	-	6	X	300	T	120	--	--	--	U	--	--	--	D	-
X	3	433950N0730423.1	525	SOIL CONS.SERV.	1968	B	2	X	26	T	10	--	3	11-68	U	--	--	--	D	-
X	4	433602N0730257.1	495	VERMONT MARBLE	1963	-	--	X	200	T	97	--	--	--	U	--	--	--	-	-
X	5	433607N0730302.1	495	VERMONT MARBLE	1963	-	--	X	240	T	84	--	--	--	U	--	--	--	D	-

Table 7.--Logs of selected wells and borings

(Depths are given in feet below land surface.)

	Depth		
Clarendon W-11.			
Loam	0	-	2
Gravel, coarse; boulders	2	-	20
Sand; clay	20	-	82
Marble	82	-	280
Clarendon W-12.			
Sand, fine	0	-	70
Sand, gray	70	-	125
Sand; gravel	125	-	128
Marble	128	-	195
Clarendon W-13.			
Sand, loose	0	-	30
Silt	30	-	40
Clay, gray	40	-	90
Clay, gray; boulders	90	-	191
Limestone	191	-	260
Clarendon W-14.			
Sand; gravel; boulders	0		66
Limestone (soft spots at: 135, 137, and 168 to 170 feet; bed to cement and redrill)	66	-	222
Clarendon W-15.			
Gravel, very coarse	0	-	17
Clarendon W-16.			
Sand; silt; gravel; cobbles	0	-	115
Schist and limestone in alternating layers (broken 147 to 159 feet)	115	-	165
Clarendon W-17.			
Gravel; till	0	-	22
Limestone	22	-	151
Clarendon W-18.			
Clay; sand; boulders	0	-	55
Limestone	55	-	470
Shale, black	470	-	503
Limestone (broken 650 to 665 feet)	503	-	665
Clarendon W-19.			
Till; gravel	0	-	40
Marble	40	-	125
Clarendon W-20.			
Sand; silt; ocher	0	-	90
Gravel	90	-	100
Clarendon W-21.			
Muck; fine sand	0		55
Sand; gravel	55	-	69
Sand, fine, grading to coarse sand and gravel with depth	69	-	135
Clarendon W-22.			
Gravel; till; boulders	0	-	69
Granite, gray	69	-	170
Granite, pink	170	-	218
Clarendon W-23.			
Till	0	-	7
Marble	7	-	147
Clarendon W-25.			
Till	0	-	4
Marble	4	-	204
Clarendon W-26.			
Gravel; silt	0	-	45
Shale, black; white flint	45	-	145
Clarendon W-27.			
Sand, fine	0	-	45
Clay, red	45	-	90
Gravel, coarse	90	-	103
Marble	103	-	190
Clarendon W-28.			
Soil; boulders	0	-	50
Sand; silt; gravel	50	-	100
Clay; boulders; gravel	100	-	164
Clarendon W-29.			
Clay; fine sand; cobbles	0	-	160
Ocher; some sand; gravel	160	-	227
Gravel; some sand; ocher	227	-	238
Clarendon W-30.			
Till	0	-	40
Sand; boulders	40	-	95
Gravel, coarse; boulders	95	-	105
Clay, gray; boulders	105	-	184
Marble	184	-	255
Clarendon W-32.			
Fill	0	-	4
Sand, fine, tan	4	-	60
Gravel (0.03 to 2.0 inches)	60	-	65
Marble, pink	65	-	128
Clarendon W-33.			
Soil	0	-	3
Sand; cobbles	3	-	24
Sand, red	24	-	85
Clay, blue	85	-	95
Sand, hardpacked	95	-	100
Clay; stones; sand	100	-	120
Sand; some gravel	120	-	145
Gravel (0.4 to 1.0 inches)	145	-	156
Clarendon W-36.			
Boulders, large; gravel	0	-	30
Gravel, fine	30	-	61
Dolomite, Dunham	61	-	190
Clarendon W-37.			
Till; broken limestone	0	-	20
Limestone, medium hard (broken 65, 216 to 218 feet)	20	-	247
Clarendon W-40.			
Clay; gravel; till; boulders	0	-	78
Rock, weathered	78	-	112
Clarendon W-41.			
Gravel, coarse	0	-	20
Sand, fine, hardpacked	20	-	40
Gravel, coarse	40	-	50
Sand, hardpacked	50	-	90
Ocher, red	90	-	205
Sand, black	205	-	246
Clarendon W-42.			
Sand, fine, red; gravel; some large boulders	0	-	58
Clarendon W-43.			
Gravel, fine; boulders	0		88
Boulder	88		98
Clay	98	-	165
Gravel, coarse	165	-	184
Clarendon W-44.			
Sand; gravel; some ocher	0	-	81
Clarendon W-45.			
Sand, fine	0	-	107
Granite, gray	107	-	125
Clarendon W-46.			
Sand and clay	0	-	30
Rock, white, pink, brown, gray	30	-	325
Clarendon W-47.			
Till	0	-	10
Granite, hard	10	-	210
Clarendon W-48.			
Fill	0	-	5
Till	5	-	8
Marble	8	-	196
Clarendon W-49.			
Till	0	-	40
Shale, black	40	-	285
Clarendon W-50.			
Clay; till	0	-	33
Slate	33	-	45
Clarendon W-52.			
Clay; boulders	0	-	28
Quartzite, Cheshire	28	-	150
Clarendon W-53.			
Loam, sandy	0	-	20
Limestone	20	-	158
Clarendon W-55.			
Gravel, coarse; boulders	0	-	10
Sandstone	10	-	166
Clarendon W-56.			
Boulders	0	-	25
Sand; clay; gravel	25	-	95
Clarendon W-57.			
Gravel, coarse, loose	0	-	40
Marble, white	40	-	200
Clarendon W-58.			
Gravel, fine; boulders	0	-	52
Marble	52	-	127
Clarendon W-60.			
Gravel, coarse; blue clay	0	-	130
Clarendon W-61.			
Loam	0	-	2
Gravel; boulders	2	-	12
Till; boulders	12	-	30
Sand, hardpacked	30	-	65
Gravel (0.06 to 1.5 inches)	65	-	70
Clarendon W-62.			
Gravel	0	-	52
Limestone, gray	52	-	175
Limestone, white	175	-	245
Clarendon W-63.			
Sand; till	0	-	100
Gravel	100	-	120
Clarendon W-64.			
Fill	0	-	3
Till	3	-	25
Gravel, coarse	25	-	29
Marble	29	-	190
Clarendon W-65.			
Loam	0	-	3
Gravel; boulders	3	-	16
Sand, fine, brown	16	-	25
Marble, white	25	-	180
Clarendon W-69.			
Loam	0	-	2
Sand, fine, brown	2	-	12
Clay, gray	12	-	22
Gravel, coarse (0.06 to 1.2 inches)	22	-	24
Marble	24	-	96
Clarendon W-71.			
Clay; boulders	0	-	68
Marble	68	-	112
Clarendon W-72.			
Till	0	-	2
Marble	2	-	206
Clarendon W-73.			
Gravel	0	-	17
Granite	17	-	305
Clarendon W-74.			
Clay and gravel	0	-	28
Limestone (broken 408 to 410 feet)	28	-	422
Clarendon W-75.			
Boulders; sand	0	-	10
Till; clay	10	-	45
Sand; gravel	45	-	52
Marble, weathered	52	-	180
Clarendon W-76.			
Gravel, cemented	0	-	120
Limestone	120		335
Clarendon W-77.			
Gravel (0.5 to 1.5 inches)	0	-	4
Clay, blue	4	-	30
Marble, pink	30	-	119
Clarendon W-78.			
Till	0	-	25
Clay, gray	25	-	48
Gravel, coarse	48	-	52
Marble	52	-	220

Table 7.--Logs of selected wells and borings (Continued)

	Depth		
Clarendon W-80.			
Slate	0	-	178
Marble	178	-	205
Clarendon W-81.			
Till	0	-	30
Granite, hard	30	-	169
Clarendon W-82.			
Till; gravel	0	-	52
Shale; limestone	52	-	174
Clarendon W-83.			
Till; boulders	0	-	17
Gravel, coarse	17	-	21
Marble	21	-	279
Clarendon W-84.			
Loam	0	-	3
Ledge, loose; sand	3	-	17
Marble, white	17	-	122
Clarendon W-85.			
Clay	0	-	8
Marble	8	-	190
Clarendon W-86.			
Till; boulders	0	-	20
Sand, fine	20	-	25
Granite	25	-	56
Clarendon W-90.			
Sand	0	-	9
Marble	9	-	160
Clarendon W-91.			
Gravel (0.5 to 1.5 inches)	0	-	18
Sand and gravel (0.03 to 1.5 inches)	18	-	32
Marble, weathered	32	-	146
Clarendon W-92.			
Ledge, loose; soil	0	-	3
Marble, white	3	-	157
Clarendon W-95.			
Intermittent layers of gravel; muck; and rotten limestone	0	-	72
Clarendon W-96.			
Cobbles; gravel	0	-	28
Granite, gray	28	-	40
Rock, brown, soft	40	-	185
Clarendon W-101.			
Shale, black, with iron pyrite and white flint	0	-	125
Clarendon W-102.			
Loam, sandy	0	-	8
Limestone, grayish-white	8	-	70
Clarendon W-103.			
Clay	0	-	9
Schist, medium hard, with quartz seams (broken at 100, 150, and 185 to 190 feet)	9	-	196
Clarendon W-107.			
Boulders; gravel	0	-	75
Ocher, red	75	-	135
Limestone, red, brown, blue	135	-	446
Clarendon W-109.			
Boulders	0	-	50
Clay; boulders	50	-	160
Limestone, rotten	160	-	220
Clarendon W-113.			
Sand	0		90
Gravel	90	-	97
Clarendon W-114.			
Boulders; clay	0	-	130
Limestone	130	-	470
Clarendon W-115.			
Gravel, coarse	0		10
Sand; gravel	10	-	30
Sand, fine, tan	30	-	50
Clay, brown	50	-	190
Gravel, medium	190	-	196

	Depth		
Clarendon W-122.			
Sand; gravel; boulders; with ocher seams	0	-	175
Gravel, large	175	-	179
Clarendon W-124.			
Soil	0	-	3
Clay; sand	3	-	8
Ledge, broken	8	-	12
Marble	12	-	138
Clarendon W-126.			
Clay	0	-	8
Dolomite	8	-	111
Clarendon W-127.			
Sand; gravel	0	-	37
Granite, white	37	-	185
Clarendon W-131.			
Gravel	0	-	5
Rock	5	-	11
Marble	11	-	150
Clarendon W-132.			
Boulders	0	-	50
Marble	50	-	300
Clarendon W-133.			
Sand; boulders	0	-	8
Clay	8	-	16
Limestone	16	-	100
Clarendon W-143.			
Boulders; fine sand; clay	0	-	128
Gravel; fine sand	128	-	138
Clarendon X-3.			
Silt; medium sand; medium gravel	0	-	0.8
Sand, medium, compact; some medium gravel; sandstones	0.8	-	7.8
Sand, fine, compact	7.8	-	22
Clarendon X-4.			
Sand, fine, compact	0	-	1
Sand, fine compact; little silt	1	-	6
Sand, fine, compact	6	-	18
Sand, fine, compact; little silt	18	-	26
Clarendon X-7.			
Silt, compact; medium gravel; small stones	0	-	1.1
Silt, compact; some clay	1.1	-	5.1
Clarendon X-8.			
Organic matter; some silt; little fine sand	0	-	1.6
Sand, fine, compact; silt	1.6	-	4.6
Sand, fine, compact; some silt	4.6	-	10.7
Clarendon X-11.			
Silt; little organic matter	0	-	1
Silt; little clay	1	-	8
Silt, compact; little clay	8	-	10.5
Clarendon X-14.			
Silt; organic matter	0	-	0.6
Silt, compact; fine sand	0.6	-	4
Refusal		at	4
Ira R-1.			
Silt; gravel	0	-	11
Sand; silt	11	-	16
Silt; gravel	16	-	25
Ira W-1.			
Gravel	0	-	8
Shale	8	-	20
Slate, black	20	-	250
Ira W-2.			
Fill; soil	0	-	25
Till	25	-	35
Sand, medium, gray	35	-	38
Slate, green, hard	38	-	110
Slate, gray, soft	110	-	112
Slate, green, hard	112	-	154

	Depth		
Ira W-6.			
Gravel; boulders	0	-	14
Till, blue, hardpacked	14	-	34
Shale, blue-green; white flint	34	-	201
Ira W-7.			
Clay	0	-	5
Slate	5	-	280
Ira W-9.			
Sand; gravel; boulders; over slate (no depths recorded)			
Ira W-11.			
Gravel	0	-	6
Slate, black	6	-	100
Ira W-12.			
No record	0	-	1
Gravel	1	-	4
Slate, black	4	-	81
Ira W-13.			
Gravel	0	-	20
Limestone, hard	20	-	120
Shale	120	-	259
Ira W-14.			
Till	0	-	40
Shale	40	-	193
Ira W-17.			
Clay	0	-	20
Slate	20	-	570
Ira W-20.			
Till	0	-	25
Shale	25	-	50
Limestone	50	-	280
Ira W-22.			
Gravel; till	0	-	25
Rock, hard, black; quartz	25	-	150
Granite, gray	150	-	410
Ira W-23.			
Gravel; till	0	-	45
Shale, hard	45	-	183
Ira W-24.			
Till, sandy	0	-	34
Soapstone, green	34	-	180
Soapstone, purple	180	-	205
Soapstone, green	205	-	260
Soapstone, purple	260	-	275
Ira W-25.			
Clay with gravel layers	0	-	40
Slate, quartz seams	40	-	308
Ira W-26.			
Gravel	0	-	30
Sand	30	-	51
Slate, green	51	-	225
Ira W-27.			
Clay	0	-	5
Slate	5	-	450
Mendon W-1.			
Clay; boulders	0	-	21
Schist	21	-	418
Mendon W-2.			
Sand; gravel; boulders	0	-	19
Schist and granite in alternating layers	19	-	97
Mendon W-3.			
Till, sand; boulders	0	-	130
Gravel, fine	130	-	140
Mendon W-4.			
Gravel, coarse, sandy	0	-	106
Till	106	-	145
Gravel, coarse		at	145
Mendon W-5.			
Sand, fine; boulders; clay seams	0	-	60
Slate	60	-	128

Table 7.--Logs of selected wells and borings (Continued)

	Depth		
Mendon W-6.			
Sand; gravel; cobbles; clay	0	-	33
Granite; quartzite (broken 60 to 62 feet, 87 to 89 feet)	33	-	97
Mendon W-7.			
Gravel; boulders	0	-	31
Schist	31	-	175
Mendon W-8.			
Sand; boulders; gravel	0	-	50
Mendon W-9.			
Sand, silty; some clay	0	-	38
Sand; gravel; cobbles	38	-	58
Mendon W-10.			
Sand; gravel; boulders	0	-	146
Schist, black, soft	146	-	280
Schist, black and brown, broken	280	-	297
Mendon W-11.			
Sand; gravel; boulders	0	-	127
Mendon W-13.			
Till	0	-	12
Schist, medium hard (broken 80 to 85 feet)	12	-	97
Mendon W-14.			
Till; sand; gravel; boulders	0	-	60
Sand; gravel	60	-	71
Mendon W-15.			
Sand; clay; gravel; cobbles	0	-	19
Granite, hard; quartz (broken 78 to 84 feet, 99 to 114 ft)	19	-	122
Mendon W-16.			
Sand and gravel	0	-	83
Mendon W-17.			
Sand; silt	0	-	20
Gravel, fine	20	-	60
Gravel, coarse	60	-	80
Mendon W-18.			
Till; sand; gravel; boulders	0	-	40
Granite, medium hard	40	-	97
Mendon W-21.			
Clay; cobbles	0	-	24
Granite, hard	24	-	297
Mendon W-22.			
Clay; cobbles	0	-	15
Granite, hard (broken 134 to 136 feet)	15	-	150
Mendon W-23.			
Clay; till; boulders	0	-	36
Schist	36	-	265
Mendon W-24.			
Till; gravel; boulders	0	-	40
Schist, medium hard	40	-	96
Granite, hard (broken 275 to 280 feet, 294 to 296 feet)	96	-	296
Mendon W-26.			
Till; boulders	0	-	150
Granite, hard (broken 238 to 241 feet)	150	-	247
Mendon W-27.			
Sand; gravel; boulders	0	-	48
Granite, hard; quartzite (broken 203 to 205 feet, 335 to 337 feet)	48	-	346
Mendon W-30.			
Till; boulders; gravel	0	-	82
Ocher, red and yellow, with layers of weathered rock	82	-	184
Granite and quartzite (broken at 201, 236 to 240 feet)	184	-	244
Mendon W-31.			
Sand; gravel; cobbles; boulders	0	-	45
Sand; gravel	45	-	52
Mendon W-32.			
Sand; clay; silt; ocher; boulders	0	-	114
Gravel	114	-	118
Mendon W-33.			
Sand	0	-	20
Granite	20	-	350
Mendon W-34.			
Sand; gravel; boulders	0	-	118
Schist; granite and quartzite (broken 275 to 295 feet)	118	-	297
Mendon W-40.			
Clay; fine sand; boulders	0	-	50
Gravel; some sand	50	-	62
Mendon W-41.			
Sand; gravel; cobbles	0	-	150
Schist, soft; talc-like rock	150	-	348
Mendon W-43.			
Gravel, coarse	0	-	65
Rock	65	-	219
Mendon W-44.			
Sand; silt; gravel; boulders	0	-	96
Limestone and schist in alternating layers	96	-	146
Granite and quartzite (broken 185 to 189 feet)	146	-	322
Mendon W-46.			
Boulders; little clay; sand	0	-	13
Granite with quartzite seams (broken at 30, 78, 91, 118, and 131 feet)	13	-	620
Mendon W-47.			
Sand; gravel; boulders; quicksand; trace of clay	0	-	58
Mendon W-48.			
Sand; gravel; boulders	0	-	88
Schist, medium hard	88	-	222
Mendon W-49.			
Loam	0	-	2
Sand, fine; cobbles; boulders	2	-	37
Sand; gravel	37	-	54
Mendon W-52.			
Sand; gravel; boulders	0	-	30
Schist and limestone, soft and broken	30	-	49
Limestone, hard (broken 131 to 135 feet, 197 to 203 feet)	49	-	222
Mendon W-53.			
Sand: gravel; boulders	0	-	90
Granite, gray-white, flinty (broken at 288, 337 to 338 feet)	90	-	348
Mendon W-54.			
Muck; sand; gravel	0	-	32
Schist	32	-	222
Mendon W-55.			
Clay; sand; gravel; boulders	0	-	60
Granite and quartzite; streaks of schist	60	-	327
Mendon W-56.			
Till; boulders	0	-	20
Schist, hard (broken at 60, 80, 95 to 110 feet)	20	-	122
Mendon W-57.			
Till; boulders; gravel	0	-	33
Granite, quartzite (broken 420 to 427, 460 feet	33	-	522
Mendon W-59.			
Sand; gravel; boulders	0	-	51
Granite, quartzite (broken 20 to 205 feet)	51	-	210
Mendon W-60.			
Sand, fine	0	-	35
Till; boulders	35	-	83
Gravel, cemented	83	-	106
Gravel, coarse (0.5 inche)	106	-	115
Mendon W-63.			
Sand; gravel; boulders	0	-	35
Slate, green	35	-	262
Mendon W-64.			
Gravel	0	-	10
Boulders	10	-	20
Gravel, hardpacked	20	-	40
Till	40	-	50
Rock, broken	50	-	90
Rock, contains soft streaks	90	-	170
Granite, hard	170	-	275
Mendon W-65.			
Sand, fine-coarse; silt; clay; gravel; cobbles	0	-	57
Sand, coarse; gravel	57	-	65
Pittsford B-1.			
Topsoil	0	-	2
Sand, fine; silt	2	-	25.2
Refusal		at	25.2
Pittsford W-1.			
Sand	0	-	21
Marble	21	-	172
Pittsford W-2.			
Fill; clay	0	-	23
Marble	23	-	149
Pittsford W-3.			
Sand	0	-	37
Marble (large void 118 to 120 feet)	37	-	149
Pittsford W-5.			
Till	0	-	10
Slate	10	-	315
Pittsford W-6.			
Clay	0	-	2
Slate	2	-	115
Pittsford W-7.			
Shale, black, hard	0	-	130
Pittsford W-8.			
Fill	0	-	1
Sand; silt; small gravel; layered, rusty brown	1	-	6
Sand; silt; small gravel; layered	6	-	13
Sand, medium, brown; little gravel	13	-	18
Sand, medium to fine, light brown; scattered gravel	18	-	25
Sand, medium to fine, light brown	25	-	43
Sand, very fine, brown; some silt	43	-	48
Pittsford W-9.			
Clay	0	-	30
Sand, fine	30	-	119
Marble	119	-	568
Pittsford W-10.			
Clay	0	-	24
Marble	24	-	433
Pittsford W-11.			
Clay, brown	0	-	49
Gravel, very coarse	49	-	60
Marble, white	60	-	87
Pittsford W-12.			
Clay	0	-	31
Marble	31	-	400
Pittsford W-13.			
Till	0	-	25
Dolomite	25	-	295

Table 7.--Logs of selected wells and borings (Continued)

	Depth		
Pittsfield W-14.			
Clay; till; boulders	0	-	57
Marble	57	-	190
Pittsfield W-15.			
Sand; gravel; cobbles	0	-	11
Schist (broken 188 to 190 feet)	11	-	220
Pittsford W-16.			
Clay; boulders	0	-	55
Quartzite; ocher	55	-	158
Pittsford W-17.			
Clay; cobbles	0	-	18
Schist; some quartz (broken 180 to 183 feet)	18	-	222
Pittsford W-18.			
Clay, sandy	0	-	60
Gravel; boulders	60	-	68
Quartzite	68	-	243
Pittsford W-19.			
Gravel	0	-	29
Schist, gray	29	-	250
Pittsford W-20.			
Clay; boulders	0	-	21
Limestone with pockets of sand, clay, and boulders	21	-	105
Limestone (broken 208 to 212 feet)	105	-	221
Pittsford W-22.			
Till	0	-	65
Quartz, white, fractured	65	-	180
Pittsford W-23.			
Fill	0	-	6
Clay	6	-	8
Slate	8	-	104
Pittsford W-24.			
Clay	0	-	3
Slate and shale	3	-	325
Pittsford W-25.			
Clay	0	-	5
Slate, black; shale	5	-	369
Pittsford W-27.			
Clay	0	-	10
Marble	10	-	500
Pittsford W-28.			
Clay	0	-	10
Granite	10	-	221
Pittsford W-29.			
Till; boulders	0	-	30
Clay, hardpacked	30	-	118
Quartz, white, highly fractured	118	-	185
Pittsford W-30.			
Gravel	0	-	121
Ocher, red	121	-	200
Shale	200	-	221
Pittsford W-31.			
Silt; sand	0	-	20
Clay; till; gravel	20	-	30
Rock	30	-	190
Pittsford W-32.			
Gravel	0	-	90
Marble (mixed colors)	90	-	230
Pittsford W-33.			
Loam, fine, sandy	0	-	20
Limestone, broken, alternating with brown sand	20	-	96
Limestone, medium hard (broken 160 to 165 feet)	96	-	172
Pittsford W-39.			
Sand	0	-	7
Marble, weathered	7	-	130
Pittsford W-40.			
Gravel, coarse	0	-	15
Clay, gray	15	-	53
Slate	53	-	205

	Depth		
Pittsford W-41.			
Peat	0	-	5
Clay, gray	5	-	20
Clay, gray; silty sand	20	-	63
Sand, gray; sharp and broken gravel	63	-	71
Pittsford W-42.			
Sand	0	-	80
Schist	80	-	150
Pittsford W-46.			
Clay; boulders	0	-	44
Quartz, hard, fractured	44	-	98
Slate, black	98	-	120
Quartz, hard, fractured	120	-	150
Pittsford W-52.			
Gravel, fine; boulders	0	-	45
Clay; till	45	-	80
Quartzite, Cheshire	80	-	247
Pittsford W-56.			
Till	0	-	75
Granite	75	-	230
Pittsford W-59.			
Sand, fine	0	-	80
Sand, fine; gravel	80	-	110
Ocher; soft schist	110	-	120
Schist, soft; some quartz	120	-	372
Pittsford W-60.			
Clay; sand; gravel	0	-	75
Limestone and schist in alternating layers (broken 210 to 215 feet)	75	-	247
Pittsford W-61.			
Sand; silt	0	-	94
Limestone; schist; and sandstone in alternating layers	94	-	172
Pittsford W-62.			
Sand, fine, red	0	-	40
Gravel, medium	40	-	152
Schist	152	-	365
Pittsford W-63.			
Soil; broken rock	0	-	5
Limestone and shale in alternating layers	5	-	622
Pittsford W-64.			
Gravel; sand; weathered marble	0	-	195
Limestone	195	-	245
Pittsford W-65.			
Clay	0	-	8
Limestone, blue	8	-	24
Shale and limestone in alternating layers	24	-	247
Pittsford W-66.			
Sand; silt	0	-	20
Till	20	-	50
Gravel	50	-	60
Gravel; broken rock	60	-	70
Rock	70	-	225
Pittsford W-67.			
Sand; clay; boulders; gravel	0	-	110
Pittsford W-71.			
Till; boulders	0	-	180
Granite	180	-	336
Pittsford W-73.			
Till	0	-	150
Marble, weathered	150	-	255
Pittsford W-74.			
Clay; boulders	0	-	70
Rock	70	-	100
Pittsford W-75.			
Sand, fine, yellow; some boulders	0	-	5
Limestone, green and brown	5	-	62
Pittsford W-76.			
Sand; silt	0	-	70
Gravel; some sand	70	-	80

	Depth		
Pittsford W-77.			
Clay	0	-	100
Limestone	100	-	420
Pittsford W-79.			
Clay	0	-	22
Marble, weathered	22	-	45
Marble	45	-	173
Pittsford W-80.			
Clay, sandy	0	-	39
Slate	39	-	130
Pittsford W-82.			
Till	0	-	12
Marble	12	-	40
Slate	40	-	165
Pittsford W-84.			
Till	0	-	80
Rock	80	-	170
Pittsford W-86.			
Clay; boulders	0	-	50
Limestone	50	-	300
Pittsford W-88.			
Sand; gravel; boulders	0	-	37
Pittsford W-89.			
Till	0	-	75
Rock, light gray	75	-	190
Pittsford X-1.			
Loam	0	-	1
Loam, gravelly	1	-	3
Sand, silty, compact	3	-	25
Sand, silty, very hard		at	25
Proctor B-1.			
Gravel, brown; sand	0	-	4
Silt	4	-	20.5
Refusal		at	20.5
Proctor R-1.			
Silt, wet	0	-	30
Proctor R-2.			
Silt	0	-	30
Proctor R-3.			
Silt	0	-	34
Proctor W-1.			
Sand, fine, brown	0	-	30
Clay, brown	30	-	52
Stones; sharp gravel	52	-	56
Sand, medium	56	-	60
Gravel, medium; sand	60	-	66
Sand, coarse; gravel	66	-	70
Sand; gravel; stones	70	-	75
Sand, coarse; gravel	75	-	83
Sand, fine	83	-	87
Sand, coarse; pebbles	87	-	91
Sand; gravel; stones	91	-	98
Sand, coarse; stones	98	-	107
Gravel, coarse	107	-	124
Silt; mud	124	-	128
Gravel, coarse, dirty	128	-	131
Mud; silt	131	-	147
Proctor W-2.			
Clay	0	-	9
Marble	9	-	400
Proctor W-3.			
Sand	0	-	12
Slate, Hortonville	12	-	120
Slate, Hortonville, with large fractures and quartz seams	120	-	375
Proctor W-4.			
Clay	0	-	15
Marble	15	-	152
Proctor W-5.			
Clay	0	-	21
Marble, weathered and fractured	21	-	91
Marble, fractured	91	-	135

Table 7.--Logs of selected wells and borings (Continued)

	Depth		
Proctor W-8.			
Clay, hard	0	-	10
Clay, sandy	10	-	30
Clay, soupy	30	-	50
Clay, sandy	50	-	62
Rock	62	-	63
Proctor W-9.			
Sand, fine, dirty	0	-	10
Clay, sandy	10	-	20
Clay, hard	20	-	35
Clay, silty	35	-	75
Clay, sandy	75	-	125
Clay, soft	125	-	148
Refusal		at	148
Proctor W-10.			
Clay, hard	0	-	10
Sand, dirty, brown	10	-	14
Clay, sandy	14	-	30
Clay, silty	30	-	45
Clay, soft	45	-	74
Till; gravel	74	-	80
Till	80	-	100
Till; gravel	100	-	116
Refusal		at	116
Proctor W-12.			
Clay, sandy, brown	0	-	8
Limestone (broken 284 to 287 feet)	8	-	298
Rutland City B-1.			
Silt, dense; some sand; trace of gravel; grading to very dense sand: some gravel; little silt	0	-	31.7
Dolomite, Dunham	31.7	-	41.7
Rutland City B-2.			
Fill	0	-	10
Gravel, fine to medium; little sand; trace of silt	10	-	20
Sand; some gravel; silt (till)	20	-	30
Sand; some silt; little gravel; scattered boulders	30	-	60
Rutland City W-1.			
Till	0	-	26
Refusal (bent casing)		at	26
Rutland City W-2.			
Clay	0	-	51
Rutland City W-3.			
Sand, fine; clay	0	-	11
Sand, fine; sharp gravel	11	-	32
Till	32	-	38
Rutland City W-4.			
Sand, brown; gravel	0	-	10
Gravel; stones	10	-	25
Stones, large; gravel	25	-	30
Gravel; stones	30	-	55
Sand; large stones	55	-	58.7
Rutland City W-6.			
Sand, brown; silt	0	-	7.5
Silt, brown; stones	7.5	-	18
Refusal		at	18
Rutland City W-7.			
Silt; sand	0	-	20
Sand; silt	20	-	20.8
Refusal		at	20.8
Rutland City W-8.			
Silt; sand	0	-	7
Silt	7	-	20.3
Refusal		at	20.3
Rutland City W-9.			
Sand, fine, brown	0	-	6.2
Silt; clay	6.2	-	6.5
Sand, fine, brown; silt; little gravel starting at 8.5 feet	6.5	-	10
Silt, tan; trace of gravel	10	-	11.5
Sand, medium, tan; silt; boulders to one foot diameter	11.5	-	15

	Depth		
Rutland City W-9. (Continued)			
Sand, very coarse to fine, tan; silt; gravel; cobbles	15	-	25
Sand, very coarse to medium; gravel; cobbles	25	-	40
Sand, very coarse to very fine, gray; gravel; stones	40	-	55
Gravel, silty, sandy	55	-	62.4
Refusal on boulder		at	62.4
Rutland City W-10.			
Sand, silty, brown	0	-	5
Sand, very coarse to medium; gravel; stones to 1.5 inches in diameter	5	-	15
Sand, very fine to medium, gray-brown; silt; some gravel	15	-	25
Sand, very fine to fine, gray; some medium sand; silt	25	-	55
Sand, silty, brown; gravel	55	-	58
Refusal on boulder		at	58
Rutland City W-11.			
Sand, very fine to medium, yellow-brown	0	-	5
Sand, medium to fine, brown; stones to 3 inches in diameter	5	-	20
Sand, fine to very fine, brown-yellow; silt	20	-	25
Sand, fine to very fine, gray; trace of gravel	25	-	40
Sand, fine to very coarse; fine gravel	40	-	45
Sand, coarse to medium, gray; some fine sand	45	-	55
Sand, fine, brown; trace of gravel	55	-	60
Refusal on boulders		at	60
Rutland City W-12.			
Silt, brown; very fine sand.	0	-	15
Sand, very fine to coarse, gray; gravel	15	-	20
Clay, gray; silt	20	-	60
Clay, gray-brown; silt; very fine sand	60	-	70
Sand, very fine to fine, brown; some medium sand; some cemented sand particles; pressure forces material back up into casing	70	-	85
Sand, fine to very fine, brown; silt; clay at bottom	85	-	87
Refusal due to friction on casing		at	87
Rutland City W-13.			
Sand and gravel, silty, brown; some cobbles	0	-	8.5
Sand and gravel, brown	8.5	-	11.5
Till, silty, gray-brown; soupy, turning to stiff, gray till at bottom	11.5	-	24
Refusal on boulder		at	24
Rutland City W-14.			
Sand and gravel, silty, yellow-brown (till?); cobbles	0	-	10
Sand, silty, yellow-brown; cobbles (till?)	10	-	15
Silt, yellow-brown, compact; sand; trace of gravel	15	-	20
Rutland City W-15.			
Sand, fine to coarse, brown; silt; gravel	0	-	10
Till, silty, sandy, gray; sharp, dense gravel	10	-	35.5
Rutland City W-16.			
Sand, fine, yellow to dark brown; some silt	0	-	7
Sand, silty, clayey, yellow-brown; sharp gravel; stones	7	-	20
Sand, silty, clayey, yellow-brown; sharp gravel; boulders	20	-	27
Refusal on boulder		at	27

	Depth		
Rutland City W-17.			
Fill	0	-	1
Sand, fine to very fine, yellow-brown	1	-	5
Sand, medium, brown; some fine sand	5	-	15
Sand, medium to fine, brown; some silt	15	-	18
Sand, fine to very fine, brown; silt	18	-	30
Silt, clayey, gray-brown	30	-	32
Rutland City W-18.			
Sand	0	-	8
Rock	8	-	75
Rutland City W-20.			
Clay, brown-gray, firm	0	-	14
Clay, gray, very soft	14	-	119
Clay, gray; scattered sharp gravel	199	-	127
Refusal		at	127
Rutland City X-2.			
Sand, brown; silt	0	-	6
Clay, brown; silt	6	-	10
Clay, gray; silt	10	-	19
Rutland City X-3.			
Sand, brown; silt; boulders	0	-	5
Clay, brown; silt	5	-	12
Silt, gray	12	-	19
Rutland City X-4.			
Pavement, fill	0	-	2
Silt, brown	2	-	17
Silt, brown; sand	17	-	19
Rutland City X-5.			
Silt, brown	0	-	6
Clay, brown; silt	6	-	10
Silt, brown	10	-	14
Silt, gray	14	-	19
Rutland City X-7.			
Silt, brown; sand	0	-	4
Sand, brown; silt	4	-	8.5
Refusal		at	8.5
Rutland City X-10.			
Pavement	0	-	0.5
Gravel, brown; sand	0.5	-	4
Silt, brown	4	-	9
Rutland City X-11.			
Pavement	0	-	0.5
Gravel, brown; sand	0.5	-	3
Silt, brown	3	-	7
Refusal		at	7
Rutland City X-12.			
Pavement; fill	0	-	2
Silt, brown	2	-	9
Rutland City X-13.			
Silt, brown	0	-	9
Rutland City X-14.			
Gravel, brown; sand	0	-	4
Silt, brown	4	-	6
Silt, brown; sand	6	-	8
Refusal		at	8
Rutland City X-16.			
Gravel, brown	0	-	5
Silt, brown; sand; few boulders	5	-	9
Rutland City X-18.			
Sand and gravel, medium dense, brown	0	-	5
Sand, medium to coarse, brown; cobbles; trace of fine gravel	5	-	9
Sand, medium to fine, brown; some fine to medium gravel	9	-	26.5
Rutland City X-20.			
Silt	0	-	17
Silt; stones	17	-	23
Rutland City X-23.			
Silt	0	-	15
Silt; stones	15	-	17

Table 7.--Logs of selected wells and borings (Continued)

	Depth		
Rutland City X-24.			
Soil, brown	0	-	1
Sand, fine	1	-	4
Sand, coarse	4	-	5
Gravel; sand; silt	5	-	10
Gravel; silt	10	-	15
Gravel; sand	15	-	20
Sand, coarse, dense	20	-	27
Rutland City X-25.			
Soil, brown	0	-	1.5
Sand, brown	1.5	-	4
Silt, gray	4	-	6
Silt, brown; sand	6	-	8
Rutland City X-28.			
Gravel, coarse, brown	0	-	2
Gravel, brown; sand	2	-	4
Gravel, brown; boulders	4	-	6
Sand, coarse, brown	6	-	8
Rutland City X-32.			
Gravel, coarse, sandy, brown	0	-	4
Gravel, brown; silt; small boulders; cobbles	4	-	8
Rutland City X-34.			
Soil, silty	0	-	1
Silt, yellow-brown; sand	1	-	2
Sand, brown, compact; silt; gravel; few stones	2	-	4
Sand, brown, very compact; silt; many cobbles and boulders	4	-	12
Sand, brown, very compact; silt; many cobbles and boulders	12	-	14.5
Rutland City X-35.			
Loam	0	-	1
Sand; silt	1	-	7
Silt	7	-	13
Silt; clay	13	-	24
Clay; silt	24	-	26.5
Rutland City X-37.			
Pavement and fill	0	-	4.5
Sand, fine; gravel; some boulders; trace of silt	4.5	-	35.5
Rock	35.5	-	40.5
Rutland City B-1.			
Soil	0	-	7
Sand; gravel	7	-	14
Gravel	14	-	24
Gravel, heavy	24	-	28
Gravel; clay; silt	28	-	30
Gravel, heavy	30	-	34
Slate; gravel	34	-	36
Slate	36	-	38
Rutland City B-2.			
Sand, fine; silt	0	-	4
Sand, fine; gravel	4	-	7
Boulder	7	-	8
Gravel, very hard	8	-	12
Boulder	12	-	13
Gravel, heavy	13	-	18
Rutland City B-4.			
Silt; sand; stones	0	-	8
Silt; sand; gravel	8	-	27
Silt; stones; till	27	-	34
Sand; silt	34	-	36
Refusal (casing broke on boulders)		at	36
Rutland City B-6.			
Silt, brown	0	-	7
Sand, gray	7	-	27
Silt, gray; sand	27	-	31
Silt, gray; grading to silty clay	31	-	111
Sand, brown; silt; gravel	111	-	115
Silt, brown; sand	115	-	121
Sand, brown; silt; gravel	121	-	126
Stopped due to flowing sand		at	126
Rutland City B-7.			
Silt, brown	0	-	6
Silt, gray	6	-	76.3
Rock (Dunham Dolomite) with pyrite and calcite	76.3	-	86.8

	Depth		
Rutland City B-8.			
Sand, brown; silt	0	-	15
Gravel, brown	15	-	19
Silt, brown; sand	19	-	23
Gravel, brown; silt	23	-	28
Boulders	28	-	32
Broke sampler barrel in casing		at	32
Rutland City B-9.			
Sand; stones	0	-	1
Gravel	1	-	10
Boulder	10	-	11
Silt; fine sand	11	-	21
Rutland City R-1.			
Silt	0	-	30
Rutland City R-8.			
Sand; silt	0	-	3
Silt	3	-	35
Rutland City R-9.			
Silt, brown; sand; boulders	0	-	21
Rutland City R-11.			
Silt, brown; sand; hardpacked	0	-	62.5
Rutland City R-14.			
Silt, brown; sand; boulders	0	-	79
Refusal		at	79
Rutland City R-17			
Silt; sand; gravel; boulders; hardpacked	0	-	49
Rutland City R-20.			
Sand, gray; trace of wood	0	-	16
Sand, gray	16	-	25
Silt, gray	25	-	38
Sand, brown; gravel; stones	38	-	53
Stones; boulders	53	-	65
Refusal		at	65
Rutland City R-23.			
Silt, brown	0	-	10
Silt, gray	10	-	98
Gravel, brown; silt	98	-	100
Boulders	100	-	103
Refusal		at	103
Rutland City R-25.			
Silt, brown	0	-	8
Silt, gray; fine sand	8	-	93.5
Rutland City R-26.			
Silt, gray; trace of fine sand	0	-	85
Sand, brown; silt	85	-	94.8
Boulders	94.8	-	96.8
Stopped in gravel		at	96.8
Rutland City R-27.			
Gravel, brown; silt	0	-	10
Sand, brown; silt	10	-	18
Silt, brown; stones	18	-	26
Sand, brown; silt; stones	26	-	33
Gravel, brown; silt; till	33	-	45
Sand, brown; silt; gravel; till	45	-	60
Rutland City R-28.			
Silt, brown; sand; boulders; till	0	-	40
Gravel, brown; silt; till	40	-	44
Refusal		at	44
Rutland City W-2.			
Owner's log			
No record	0	-	1
Clay	1	-	40
Gravel	40	-	65
Rutland City W-6.			
Till, boulders	0	-	85
Limestone	85	-	490
Rutland City W-7.			
Clay	0	-	7
Limestone	7	-	340

	Depth		
Rutland City W-8.			
Sand and gravel	0	-	80
Rutland City W-9.			
Boulders; till	0	-	8.5
Rutland City W-10.			
Boulders; till	0	-	18
Sand, muddy; gravel	18	-	32
Rutland City W-11.			
Sand, fine, muddy; boulders	0	-	10
Sand, fine; clay	10	-	35
Sand, fine, muddy; stones	35	-	50
Sand, muddy; stones; clay	50	-	60
Rutland City W-13.			
Sand, fine; muck; cobbles; boulders	0	-	41
Sand; gravel	41	-	57
Rutland City W-14.			
Sand; gravel; boulders; quicksand	0	-	89
Clay, blue	89	-	94
Sand; gravel; boulders	94	-	107
Rutland City W-19.			
Boulders; gravel; sand	0	-	72
Rutland City W-20.			
Clay	0	-	130
Limestone	130	-	365
Rutland City W-21.			
Fill	0	-	2
Clay	2	-	90
Till	90	-	166
Dolomite	166	-	203
Well cleaned out later and packed with coarse sand and gravel to try and stop sediment problem, but problem still exists.			
Rutland City W-23.			
Sand	0	-	40
Clay	40	-	96
Gravel, hardpacked	96	-	103
Rutland City W-26.			
Clay	0	-	90
Limestone	90	-	285
Rutland City W-28.			
Clay; sand; weathered limestone	0	-	112
Limestone (broken 188 to 202 feet	112	-	210
Rutland City W-30.			
Clay; boulders	0	-	150
Limestone	150	-	740
Rutland City W-31.			
Gravel	0	-	30
Clay	30	-	75
Limestone	75	-	350
Rutland City W-32.			
Gravel	0	-	25
Till	25	-	50
Limestone	50	-	365
Rutland City W-33.			
Sand; gravel	0	-	30
Till	30	-	90
Limestone	90	-	440
Rutland City W-36.			
Clay	0	-	12
Limestone	12	-	1000
Rutland City W-38.			
Boulders; gravel	0	-	11
Dolomite, Dunham	11	-	270
Rutland City W-39.			
Gravel, coarse; till	0	-	7
Sand; some gravel	7	-	47
Gravel, clean	47	-	55
Rutland City W-40.			
Till; clay; boulders	0	-	121
Quartzite, Cheshire	121	-	182

Table 7.--Logs of selected wells and borings (Continued)

	Depth		
Rutland City W-44.			
Sand	0	-	60
Till; boulders	60	-	112
Clay; broken ledge	112	-	135
Limestone	135	-	155
Rutland City W-60.			
Till	0	-	100
Marble	100	-	280
Rutland City W-61.			
Clay; till; boulders	0	-	110
Slate or shale, black	110	-	253
Marble (water occurred at contact of two formations)	253	-	263
Rutland City W-63.			
Till	0	-	70
Gravel, hardpacked	70	-	105
Dolomite	105	-	202
Rutland City W-65.			
Sand, fine, red	0		62
Limestone, fractured	62	-	91
Rutland City W-70.			
Gravel, fine	0	-	2
Marble, blue	2	-	295
Rutland City W-73.			
Clay	0	-	5
Slate or shale, black	5	-	203
Rutland City W-75.			
Soil	0	-	1.5
Clay, fine, sandy	1.5	-	8
Limestone	8	-	150
Rutland City W-78.			
Sand, fine, silty; some clay with limestone slabs	0	-	37
Limestone (broken 133 to 139 feet)	37	-	145
Rutland City W-79.			
Gravel, hardpacked; till	0	-	210
Marble	210	-	245
Rutland City W-81			
Till; boulders; clay	0	-	150
Dolomite, Dunham	150	-	232
Rutland City W-83.			
Boulders; some dirt	0	-	150
Clay; till	150	-	192
Dolomite, Dunham	192	-	235
Added 55 feet of plastone and coarse sand to stop sediment problems.			
Rutland City W-85.			
Till; gravel	0	-	70
Marble	70	-	140
Rutland City W-86.			
Sand, fine, yellow	0	-	5
Quartzite	5	-	140
Rutland City W-88.			
Sand, fine; boulders	0	-	24
Dolomite, Dunham	24	-	127
Rutland City W-90.			
Sand	0	-	5
Till	5	-	45
Dolomite, Dunham	45	-	128
Rutland City W-92.			
Limestone	0	-	400
Shale, black	400	-	415
Limestone	415	-	446
Shale, black, soft	446	-	472
Rutland City W-93.			
Sand, light brown	0	-	1
Limestone, blue, loose, "Pittsford Valley"	1	-	15
Marble, brownish-gray	15	-	195
Limestone, gray	195	-	225
Marble, "Pittsford Valley"	225	-	255
Rutland City W-96.			
Sand; clay	0	-	15
Dolomite, Dunham	15	-	202
Rutland City W-97.			
Gravel	0	-	35
Marble, dolomite	35	-	275
Rutland City W-98.			
Clay	0	-	25
Dolomite, gray	25	-	300
Rutland City W-105.			
Sand, fine	0	-	5
Gravel, small	5	-	25
Quartzite, Cheshire	25	-	111
Rutland City W-106.			
Sand; gravel; clay	0	-	23
Limestone, seamy	23	-	150
Schist, black, seamy	150	-	160
Granite, very hard; flint	160	-	170
Rutland City W-109.			
Sand; gravel; boulders	0	-	156
Rutland City W-110.			
Sand; clay; some boulders	0	-	30
Sand, fine; some clay; gravel	30	-	138
Gravel, medium to coarse; some fine sand	138	-	150
Rutland City W-112.			
Sand; gravel; quicksand; silt; boulders	0	-	180
Sand; gravel; ocher	180	-	199
Sand; gravel	199	-	209
Rutland City W-114.			
Sand, red	0	-	25
Sand; fine gravel	25	-	185
Rutland City W-121.			
Sand; silt	0	-	15
Gravel, coarse	15	-	70
Rutland City W-122.			
Sand; gravel; boulders	0	-	138
Ocher, red	138	-	155
Sand; gravel	155	-	165
Rutland City W-127.			
Clay; till; boulders	0	-	155
Dolomite, Dunham	155	-	187
Rutland City W-132.			
Clay; till; boulders	0	-	84
Dolomite	84	-	128
Rutland City W-135.			
Clay; till; boulders	0	-	110
Dolomite	110	-	163
Rutland City W-139.			
Clay; till; boulders	0	-	175
Dolomite, Dunham	175	-	195
Rutland City W-142.			
Clay; till; boulders	0	-	125
Dolomite, Dunham	125	-	155
Rutland City W-150.			
Clay; till; boulders	0	-	44
Dolomite, Dunham	44	-	158
Added 58 feet of sand and plastone to stop sediment problems. Cut yield to 4 gpm.			
Rutland City W-159.			
Till; clay; boulders	0	-	178
Dolomite, Dunham, weathered	178	-	193
Rutland City W-163.			
Sand, fine, brown	0	-	25
Gravel, coarse, hardpacked	25	-	58
Gravel, medium, loose	58	-	105
Rutland City W-168.			
Sand	0	-	17
Quartzite	17	-	100
Rutland City W-169.			
Boulders; clay; gravel; quicksand	0	-	293
Limestone	293	-	320
Rutland City W-171.			
Gravel	0	-	105
Rutland City W-172.			
Clay	0	-	5
Dolomite Dunham	5	-	200
Rutland City W-173.			
Till	0	-	45
Dolomite, Dunham	45	-	145
Rutland City W-176.			
Sand, fine; some gravel	0	-	105
Ocher; some gravel	105	-	170
Schist, black, soft, and porous	170	-	250
Rutland City W-179.			
Sand; silt; clay; gravel	0	-	81
Rutland City W-183.			
Clay; silt; sand	0	-	130
Sand and gravel, coarser with depth	130	-	150
Rutland City W-184.			
Boulders; gravel	0	-	105
Rock, gray	105	-	196
Rutland City W-185.			
Till; cobbles; boulders; fine sand	0	-	57
Rock, very hard, flint-like; quartzite (broken 131 to 135 feet)	57	-	142
Rutland City W-186.			
Sand; gravel; some clay	0	-	35
Granite and quartzite (broken 180 to 182 feet, and 238 to 241 feet)	35	-	247
Rutland City W-187.			
Sand; gravel	0	-	55
Sandstone	55	-	130
Quartz (quartzite?)	130	-	146
Rutland City W-188.			
Sand; gravel; boulders	0	-	57
Schist (broken 75 to 80 feet, and 113 to 116 feet)	57	-	122
Rutland City W-189.			
Boulders; ocher	0	-	70
Dolomite	70	-	280
Rutland City W-191.			
Clay	0	-	4
Dolomite	4	-	208
Quartzite, Chesire	208	-	254
Dolomite and Chesire quartzite	254	-	345
Quartzite, Chesire	345	-	435
Dolomite	435	-	600
Rutland City W-193.			
Clay; boulders	0	-	20
Dolomite, Dunham: quartz	20	-	188
Rutland City W-194.			
Clay	0	-	13
Quartzite, Chesire	13	-	105
Rutland City W-195.			
Boulders; sand; gravel	0	-	15
Rock	15	-	80
Rutland City W-196.			
Soil	0	-	4
Quartzite	4	-	35
Limestone (broken 140 to 160 feet)	35	-	172
Rutland City W-197.			
Sand, fine	0	-	10
Quartzite, Chesire	10	-	162
Rutland City W-200.			
Sand	0	-	5
Slate, blue, with quartz	5	-	250
Shale, black	250	-	400
Rutland City W-204.			
Fill	0	-	10
Till; boulders	10	-	50
Marble	50	-	97

Table 7.--Logs of selected wells and borings (Continued)

	Depth		
Rutland City W-206.			
Sand; gravel	0	-	55
Marble, broken; ocher	55	-	120
Rutland City W-207.			
Gravel; sand; boulders	0	-	135
Marble, broken	135	-	150
Rutland City W-208.			
Clay	0	-	25
Dolomite, Dunham, weathered	25	-	70
Rutland City W-211.			
Till; boulders	0	-	153
Dolomite, Dunham, highly fractured	153	-	175
Rutland City W-213.			
Gravel	0	-	30
Till, dry	30	-	160
Marble, blue	160	-	290
Rutland City W-215.			
Sand; gravel; boulders	0	-	100
Schist	100	-	156
Rutland City W-216.			
Sand, fine; gravel; boulders	0	-	40
No record	40	-	95
Boulder	95	-	110
Gravel, packed		at	140
Sand, coarse		at	155
Rutland City W-218.			
Gravel, coarse	0	-	4
Marble, blue	4	-	200
Rutland City W-220.			
Gravel	0	-	30
Marble	30	-	175
Rutland City W-224.			
Sand; boulders	0	-	180
Limestone	180	-	300
Rutland City W-226.			
Till	0	-	25
Limestone	25	-	250
Rutland City W-227.			
Till; boulders	0	-	85
Dolomite, Dunham	85	-	250
Rutland City W-228.			
Gravel, medium to coarse	0	-	33
Marble	33	-	175
Rutland City W-233.			
Clay; till; boulders	0	-	85
Dolomite	85	-	238
Rutland City X-2.			
Sand, fine to medium, gray; silt	0	-	3
Gravel, brown; silt; sand	3	-	7
Sand, medium to coarse, brown; gravel	7	-	13
Silt, brown; clay; sand	13	-	14
Sand, fine, brown	14	-	15
Rutland City X-3.			
Soil	0	-	0.4
Sand, brown; cobbles; boulders	0.4	-	12
Rutland City X-4.			
Fill	0	-	3
Sand, medium, gray, medium compact; silt; gravel; sandy till	3	-	11
Clay, gray, compact; silt; sand; gravel; basal till	11	-	15
Rutland City X-5.			
Gravel, coarse, sandy, brown; small boulders	0	-	12
Shrewsbury B-1.			
Silt, brown; sand; boulders	0	-	9
Silt, gray; sand; boulders; till	9	-	24.9
Shrewsbury B-2.			
Gravel, brown; sand	0	-	11
Silt, brown; dense sand	11	-	18
Boulders	18	-	20
Shrewsbury W-1.			
Soil	0	-	2
Gravel; boulders	2	-	12
Boulders; clay	12	-	30
Clay, gray	30	-	52
Gravel, fine (0.03 to 0.125 inch)	52	-	57
Shrewsbury W-2.			
Fill	0	-	6
Clay	6	-	17
Schist with quartz	17	-	209
Shrewsbury W-3.			
Soil	0	-	2
Till	2	-	12
Clay, gray; boulders	12	-	55
Sand; gravel, hardpacked	55	-	68
Gravel, coarse	68	-	73
Shrewsbury W-4.			
Clay; boulders	0	-	42
Schist	42	-	112
Shrewsbury W-6.			
Soil	0	-	2
Sand; gravel (0.06 to 2.0 inches)	2	-	10
Clay, blue-gray	10	-	30
Clay, brown	30	-	70
Granite, gray	70	-	110
Shrewsbury W-7.			
Clay	0	-	195
Schist	195	-	274
Shrewsbury W-8.			
Clay	0	-	8
Schist	8	-	60
Shrewsbury W-9.			
Gravel	0	-	80
Ocher	80	-	132
Quartzite	132	-	188
Shrewsbury W-10.			
Gravel; sand	0	-	10
Shale; limestone	10	-	123
Shrewsbury W-11.			
Sand, medium	0	-	25
Schist with quartz	25	-	98
Shrewsbury W-12.			
Gravel, fine; boulders	0	-	28
Schist	28	-	145
Shrewsbury W-13.			
Clay; till; boulders	0	-	20
Schist	20	-	200
Shrewsbury W-14.			
Mud	0	-	3
Clay	3	-	9
Till	9	-	26
Rocks, shaley	26	-	60
Gravel (0.25 to 1.5 inches); some sand	60	-	64
Shrewsbury W-15.			
Clay	0	-	10
Schist, green, with quartz	10	-	262
Shrewsbury W-16.			
Clay; silt; boulders	0	-	75
Granite, hard; quartzite (broken 313 to 315 feet)	75	-	322
Shrewsbury W-17.			
Till	0	-	58
Gravel	58	-	65
Shrewsbury W-18.			
Sand; gravel; boulders	0	-	106
Shrewsbury W-19.			
Sand; clay; cobbles	0	-	14
Granite, with weathered quartz 85 to 87 feet	14	-	96
Shrewsbury W-20.			
Clay; cobbles; boulders	0	-	38
Granite, hard	38	-	65
Granite, weathered	65	-	75
Granite, hard	75	-	80
Shrewsbury W-21.			
Clay; till; boulders	0	-	120
Schist	120	-	165
Shrewsbury W-24.			
Soil	0	-	2
Gravel, coarse; boulders	2	-	12
Till; boulders	12	-	25
Sand; coarse gravel	25	-	34
Marble	34	-	68
Shrewsbury W-25.			
Soil	0	-	2
Gravel, coarse; boulders	2	-	25
Clay, gray; boulders	25	-	35
Clay, gray	35	-	52
Gravel, coarse (0.5 to 2.5 inches)	52	-	57
Shrewsbury W-26.			
Till	0	-	12
Gneiss	12	-	225
Shrewsbury W-27.			
Clay; boulders	0	-	27
Schist	27	-	300
Shrewsbury W-28.			
Soil	0	-	2
Granite, green	2	-	135
Shrewsbury W-29.			
Clay	0	-	3
Schist with quartz	3	-	194
Shrewsbury W-30.			
Clay; gravel; boulders	0	-	110
Sand; boulders	110	-	140
Granite and quartzite (broken 183 to 187 feet)	140	-	195
Shrewsbury W-31.			
Clay; boulders	0	-	49
Schist, green	49	-	171
Shrewsbury W-32.			
Till; boulders; gravel	0	-	169
Shrewsbury W-33.			
Till	0	-	17
Schist with quartz	17	-	150
Shrewsbury W-35.			
Clay; boulders	0	-	40
Clay, yellow	40	-	55
Rock, brown, very soft	55	-	158
Shrewsbury W-36.			
Clay; boulders	0	-	52
Schist with quartz	52	-	127
Shrewsbury W-37.			
Till; sand	0	-	144
Rock	144	-	200
Shrewsbury W-38.			
Soil	0	-	3
Boulders; gravel	3	-	15
Till; gravel	15	-	20
Granite, green	20	-	125
Shrewsbury W-39.			
Gravel, fine; boulders	0	-	57
Quartzite	57	-	98
Shrewsbury W-41.			
Soil	0	-	2
Schist	2	-	150
Granite and quartzite (broken area at 150 feet)	150	-	298
Shrewsbury W-42.			
Sand; gravel	0	-	18
Schist (broken 50 to 60 feet, and 265 to 268 feet)	18	-	268

	Depth
Shrewsbury W-44.	
Gravel, coarse; boulders....	0 - 15
Sand; clay; boulders.....	15 - 25
Gravel, coarse.....	25 - 32
Granite, green.....	32 - 175
Shrewsbury W-45.	
Sand; gravel; boulders.....	0 - 46
Schist.....	46 - 187
Granite, (broken at 187, 309 to 312 feet).....	187 - 322
Shrewsbury W-47.	
Gravel; boulders.....	0 - 70
Shale, black; granite.....	70 - 225
Shrewsbury W-49.	
Gravel; boulders.....	0 - 40
Ocher.....	40 - 93
Rock, weathered.....	93 - 129
Shrewsbury W-50.	
Clay.....	0 - 2
Sand, coarse.....	2 - 20
Till.....	20 - 57
Schist with quartz.....	57 - 148
Shrewsbury W-51.	
Boulders.....	0 - 25
Gravel; till.....	25 - 34
Granite.....	34 - 220
Shrewsbury W-52.	
Clay.....	0 - 5
Schist.....	5 - 310
Shrewsbury W-53.	
Clay.....	0 - 8
Schist.....	8 - 220
Shrewsbury W-54.	
Gravel; boulders.....	0 - 50
Granite.....	50 - 150
Shrewsbury W-55.	
Clay; boulders.....	0 - 26
Schist.....	26 - 300
Shrewsbury W-57.	
Soil.....	0 - 2
Boulders; till.....	2 - 20
Clay, gray.....	20 - 30
Sand and gravel, hardpacked.....	30 - 38
Granite, green.....	38 - 163
Shrewsbury W-58.	
Clay; boulders.....	0 - 40
Schist with quartz.....	40 - 200
Shrewsbury W-59.	
Soil; gravel.....	0 - 10
Clay; stones.....	10 - 90
Rock.....	90 - 115
Shrewsbury W-60.	
Sand; gravel; broken rock...	0 - 7
Granite, some quartzite (broken 268 to 275 feet)..	7 - 285
Shrewsbury W-61.	
Clay; till; boulders.....	0 - 31
Schist.....	31 - 190
Shrewsbury W-63.	
Till; boulders.....	0 - 65
Granite.....	65 - 210
Shrewsbury W-64.	
Gravel, coarse.....	0 - 3
Schist, gray.....	3 - 250
Shrewsbury W-67.	
Till.....	0 - 100
Schist with quartz.....	100 - 190
Shrewsbury W-68.	
Sand, coarse.....	0 - 40
Schist with quartz.....	40 - 138
Shrewsbury W-69.	
Sand; gravel (0.02 to 0.75 inch).....	0 - 15
Till; boulders.....	15 - 37
Granite, green.....	37 - 114

	Depth
Shrewsbury W-70.	
Clay; boulders.....	0 - 40
Schist with quartz.....	40 - 143
Shrewsbury W-72.	
Till.....	0 - 15
Clay, gray; boulders.....	15 - 29
Gravel, coarse.....	29 - 35
Shale.....	35 - 56
Granite, green.....	56 - 91
Shrewsbury W-73.	
Clay; till; boulders.....	0 - 23
Schist.....	23 - 295
Shrewsbury W-74.	
Loam; boulders.....	0 - 6
Till.....	6 - 30
Sand (0.01 to 0.03 inch); clay.....	30 - 47
Gravel (0.03 to 0.09 inch)..	47 - 51
Shrewsbury W-75.	
Gravel; boulders.....	0 - 30
Marble, brown and white.....	30 - 205
West Rutland B-2.	
Gravel, brown, slightly compact; sand; trace of silt; grading to dense gravel; some silt; sand...	0 - 25
Gravel, green and gray, compact; little silt; grading to dense gravel; some silt; sand.....	25 - 41
Sand, brown, dense; trace of silt.....	41 - 50.5
Rock (St. Catherine Formation), gray to green phyllite or slate, interbedded with white to green quartzite with pyrite and calcite.....	50.5 - 61.2
West Rutland B-3.	
Gravel, brown; some sand; silt.....	0 - 10
Gravel, brown, compact; some sand; trace of silt..	10 - 14
Gravel, brown, compact; little silt; grading to dense gravel; some silt; little sand.....	14 - 27
Rock (St. Catherine Formation), gray to green phyllite or slate with minor interbeds of white to green quartzite.....	27 - 36.4
West Rutland B-4.	
Gravel, brown, compact; some sand; silt.....	0 - 9
Gravel, gray, compact; some sand; silt.....	9 - 26
Sand, gray, dense; trace of gravel; silt.....	26 - 35
Sand, gray, dense; little silt; trace of gravel.....	35 - 42
Sand, brown, dense; some silt; trace of gravel.....	42 - 50
Silt, gray, dense; trace of sand; gravel.....	50 - 60
Sand, gray, dense; grading to dense sand; little silt; gravel.....	60 - 80
West Rutland B-5.	
Gravel, sandy, brown.....	0 - 23
Gravel, silty, brown.....	23 - 32
Sand, brown; silt.....	32 - 39
Silt, gray.....	39 - 91
Sand, gray; gravel; boulders.....	91 - 104
Rock (Hortonville Formation), black carboniferous and pyritic slate and phyllite with calcite and limey beds.....	104 - 113.5
West Rutland B-6.	
Sand, gray; gravel; stones..	0 - 28
Gravel, gray; sand.....	28 - 36
Sand, gray-brown; silt.....	36 - 40
Silt, gray.....	40 - 90
Silt, gray; trace of gravel.	90 - 103

	Depth
West Rutland B-6 (Continued).	
Silt, gray; sand.....	103 - 119
Sand, gray; silt; gravel....	119 - 131.5
Refusal, casing broke.....	at 131.5
West Rutland B-7.	
Sand, brown; gravel; stones.	0 - 27
Silt, brown; trace of silt..	27 - 31
Silt, gray.....	31 - 47
Sand, gray; stones.....	47 - 52
Rock (Hortonville Formation), gray to black graphitic phyllite with calcite, quartzite, and pyrite.....	52 - 62
West Rutland R-4.	
Gravel, brown; sand.....	0 - 27
Gravel, gray; sand.....	27 - 31
Silt, brown.....	31 - 35
Gravel, gray; sand.....	35 - 39
Silt, gray.....	39 - 51
Gravel, gray; silt.....	51 - 58
Rock (Hortonville Formation), gray to black graphitic phyllite with calcite, quartzite, and pyrite.....	58 - 71
West Rutland R-5.	
Silt, brown, hardpacked; sand.....	0 - 19.4
Rock; highly fractured gray to black siliceous and chloritic phyllite with scattered carbonate seams.	19.4 - 89.9
West Rutland R-6.	
Silt, brown; boulders.....	0 - 10.5
Silt, gray.....	10.5 - 29
West Rutland R-8.	
Muck.....	0 - 6
Silt; sand.....	6 - 10
Sand, fine; some silt.....	10 - 13
Sand, fine; some silt; trace of gravel.....	13 - 25
Till.....	at 25
West Rutland W-1.	
(log of 2.5-inch test well)	
Sand and gravel.....	0 - 31.2
West Rutland W-2.	
Clay; cobbles.....	0 - 35
Till.....	35 - 75
West Rutland W-3.	
Clay; boulders.....	0 - 25
Slate, black, quartz seams..	25 - 98
West Rutland W-4.	
Sand; gravel.....	0 - 8
Slate and limestone, alternating.....	8 - 100
Slate.....	100 - 194
West Rutland W-5.	
Till; gravel.....	0 - 60
Shale.....	60 - 180
West Rutland W-6.	
Clay.....	0 - 5
Slate or shale.....	5 - 280
West Rutland W-7.	
Clay.....	0 - 3
Slate.....	3 - 285
West Rutland W-13.	
Clay.....	0 - 28
Slate or shale.....	28 - 475
West Rutland W-14.	
Gravel; boulders.....	0 - 35
Clay; gravel; till.....	35 - 118
Shale, black, with flint.....	118 - 150
West Rutland W-16.	
Clay; boulders.....	0 - 55
Slate.....	55 - 127
West Rutland W-17.	
Clay.....	0 - 15
Slate, black, with quartz.....	15 - 276

Table 7.--Logs of selected wells and borings (Continued)

	Depth				Depth				Depth		
West Rutland W-23.				West Rutland W-27.				West Rutland X-1.			
Clay	0	-	15	Clay; boulders	0	-	80	Till (?); coarse gravel; large boulders	0	-	98
Slate	15	-	325	Slate, green, black, gray	80	-	400				
West Rutland W-24.				West Rutland W-29.				West Rutland X-3.			
Gravel	0	-	30	Clay	0	-	14	Sand and gravel	0	-	10.4
Clay, gray	30	-	130	Slate or shale	14	-	540	Rock: gray; phyllitic schist or slate	10.4	-	26.5
Rock	130	-	165								
West Rutland W-25.				West Rutland W-30.				West Rutland X-5.			
Clay	0	-	4	Clay, gray	0	-	25	Fill; mud; sand	0	-	25
Slate, black	4	-	174	Gravel, coarse	25	-	30	Gravel, coarse; pebbles	25	-	37
				Slate	30	-	167	Sand; fine gravel	37	-	67
West Rutland W-26.				West Rutland W-31.				Gravel, coarse; boulders; blue clay	67	-	84.5
Clay, gray; shale (fragments)	0	-	14	Gravel, coarse	0	-	32	Rock	84.5	-	240
Slate, dark gray	14	-	255	Clay	32	-	90				
				Gravel	90	-	96				
				Gravel, coarse	96	-	100				

Table 8.--Chemical analyses of ground water
(Analyses are given in milligrams per liter. Data source: G, U.S. Geological Survey; H, Vermont Department of Health; N, Norwich University; P, U.S. Public Health Service.)

Local well No.[1]	Date	Dissolved iron (Fe)	Dissolved manganese (Mn)	Dissolved sodium (Na)	Alkalinity as $CaCO_3$	Dissolved chloride (Cl)	Dissolved nitrate (as N)	Total dissolved solids	Hardness as $CaCO_3$	Type of aquifer[2]	Data source
Recommended limit[3]		0.3	0.05	--	--	250	10.0[4]	--	--		
					CLARENDON						
W 10	10-16-76	--	--	--	170	5.2	--	169	160	UNC	N
W 13	7-25-75	0.10	0.01	2.0	170	.0	0.10	--	180	R (C)	H
W 13	10-16-76	--	--	--	230	14	--	239	190	--	N
W 18	3-11-74	.48	.02	10	220	1.0	.00	--	180	R (C)	H
W 21	10-23-76	--	--	--	190	5.4	--	195	180	UNC	N
W 22	10-23-76	--	--	--	200	10	--	460	220	R (C)	N
W 35	10-16-76	--	--	--	140	4.5	--	168	130	R (C)	N
W 60	10-17-73	.82	.06	3.0	160	.0	.00	--	130	UNC	H
W 70	11-24-70	.10	.01	120	269	110	.40	--	254	R (C)	H
W 76	3- -75	.00	.00	5.0	167	13	.80	--	188	R (C)	H
W 96	10-16-76	--	--	--	130	4.8	--	115	130	R (A)	N
W 97	10-22-74	.20	.01	240	250	700	.40	--	500	R	H
W 137	2- 1-74	.05	.03	2.0	184	1.0	.10	--	176	R	H
W 144	2- -75	.01	.00	10	181	56	2.1	--	252	R (C)	H
					IRA						
W 1	10-23-76	--	--	--	250	11	--	357	300	R (D)	N
W 2	10-23-76	--	--	--	250	4.1	--	281	200	R (D)	N
					MENDON						
W 35	12- 5-72	1.0	0.03	2.0	80	0.0	0.00	--	26	UNC	H
W 37	7-17-74	.00	1.5	4.0	60	4.0	1.9	--	--	UNC	H
W 43	10-21-74	.45	.01	22	48	300	.50	--	400	R (A)	H
W 63	11- 8-73	.01	.08	4.0	92	.0	.00	--	150	R (B)	H
W 64	10-23-72	.07	.02	22	96	3.0	.00	--	78	R (A)	H
W 67	5-11-71	.40	.10	3.0	88	.0	.00	--	120	R (B)	H
W 68	11-10-71	.55	2.8	40	360	96	1.6	--	72	UNC	H
					PITTSFORD						
W 34	11- 9-73	0.00	0.01	82	250	120	0.40	--	240	UNC	H
W 44	9- 5-73	.26	.03	1.0	112	1.0	.00	--	118	R (B)	H
W 45	9- 5-73	.33	.33	4.0	54	57	.90	--	124	R (A)	H
W 81	7- 4-73	.77	.01	2.0	160	.0	.00	--	170	UNC	H
W 84	1-19-72	.03	.01	6.0	208	--	1.3	--	220	R (C)	H
					PROCTOR						
W 2	10-30-76	--	--	--	290	5.4	--	331	290	R (B)	N
W 3	10-30-76	--	--	--	120	6.4	--	206	150	R (D)	N
					RUTLAND (CITY)						
W 4	11-20-48	--	--	--	--	1.9	0.26	--	250	UNC	H
W 9	6-21-76	0.22	0.14	3.3	214	4.2	--	232	220	UNC	G
					RUTLAND (TOWN)						
W 4	10-30-76	--	--	--	130	5.8	--	199	150	R (C)	N
W 6	9-17-74	0.00	0.00	3.0	170	1.0	0.00	--	210	R (C)	H
W 7	9-17-74	.05	.00	3.0	170	3.0	2.1	--	208	R (C)	H
W 14	10-30-76	--	--	--	120	13	--	215	140	UNC	N
W 18	10-30-76	--	--	--	88	7.7	--	155	100	UNC	N
W 23	10-16-76	--	--	--	150	16	--	157	160	UNC	N
W 26	10-16-76	--	--	--	170	11	--	178	150	R (C)	N
W 87	4-29-74	.22	.06	4.0	120	.0	.00	--	110	R (B)	H
W 93	12-18-74	.00	.01	2.0	210	2.0	1.8	--	260	R (C)	H
W 94	5-31-77	.00	.00	3.0	180	4.0	6.0	--	180	R (B)	H
W 99	9-11-74	.15	.05	160	330	270	3.7	--	370	R (C)	H
W 117	7-29-74	.30	.01	4.0	120	10	1.2	--	160	UNC	H
W 119	6-13-72	.10	.03	120	62	180	.60	--	210	UNC	H
W 135	9-29-72	.50	.01	6.0	190	1.0	1.1	--	190	R (C)	H
W 139	3-26-73	.60	.02	9.0	110	14	1.7	--	150	R (C)	H
W 162	7-10-75	.20	.01	--	306	450	6.5	--	450	R (C)	H
W 164	6-18-74	.02	.01	7.0	150	17	9.0	--	180	R (B)	H
W 166	5-31-77	.00	.00	2.0	230	27	.46	--	260	R (C)	H
W 174	- -69	.03	.00	--	--	128	3.8	455	--	UNC	P
W 177	10- 4-71	.30	1.0	24	190	24	5.1	--	180	UNC	H
W 214	1-28-75	.12	.01	1.0	80	1.0	.30	--	74	R (C)	H
W 216	2- -76	.00	.01	2.0	96	3.0	2.5	--	130	UNC	H
W 224	3-21-75	.00	.00	2.0	66	5.0	1.0	--	76	R (C)	H
W 225	8-15-74	.10	.04	2.0	68	1.0	.10	--	110	UNC	H
W 229	4-23-76	.00	.00	13	67	21	.60	--	106	UNC	H
W 230	4-23-76	.00	.00	2.0	119	1.0	.80	--	142	UNC	H
W 236	- -69	.02	.00	--	--	.0	.29	112	--	R (D)	P
W 237	7-12-72	.20	.01	1.0	64	1.0	2.6	--	66	UNC	H
W 243	4-23-76	.10	.02	17	114	77	2.0	--	190	UNC	H
W 244	12- -75	.00	.00	1.0	21	.1	.10	--	38	R (C)	H
					SHREWSBURY						
W 1	10-16-76	--	--	--	110	13	--	183	110	UNC	N
W 2	10-16-76	--	--	--	70	4.5	--	147	82	UNC	N
W 5	10-16-76	--	--	--	28	3.6	--	37	46	UNC	N
W 9	10-16-76	--	--	--	120	5.3	--	135	110	R (A)	N
					WEST RUTLAND						
W 1	2- 3-75	0.00	0.00	2.0	50	2.0	0.30	--	74	UNC	H
W 2	10-23-76	--	--	--	200	3.8	--	237	160	UNC	N
W 3	10-30-76	--	--	--	200	5.0	--	283	200	R (D)	N
W 5	2- -76	8.6	.20	2.0	76	2.0	.00	--	108	R (D)	H
W 11	11-21-72	.03	.10	3.0	224	2.0	.20	--	264	R (D)	
W 29	8-27-75	1.0	.03	4.0	160	3.0	.00	--	200	R (D)	H

[1] All are samples from a single well except: Mendon W 63, combined sample for one well and two springs; Mendon W 67, combined sample for one well and one spring; Rutland (town) W 26, combined sample for two wells; Rutland (town) W 236, combined sample for one well and two springs.
[2] Type of aquifer: R, bedrock (letters in parentheses refer to bedrock hydrologic unit, see plate 1); UNC, unconsolidated deposits.
[3] U.S. Environmental Protection Agency, 1977.
[4] Maximum contaminant level established by the U.S. Environmental Protection Agency, 1978.

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