Supplemental to

the Soil Survey

of

Windham County, VT

September, 2003

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Introduction

The Supplement to the Soil Survey of Windham County, replaces some information in the Soil Survey of Windham County, Vermont published in February, 1987 (USDA-SCS, 1987).

The following soil survey tables are included in this supplement:

- Table 4 Acreage and Proportionate Extent of the Soils
- Table 15 Engineering Index Properties
- Table 16 Physical and Chemical Properties of the Soils
- Table 17A Soil features
- Table 17B Water Features

The soils information in Tables 4, 15, 16, and 17 in the published Windham County Soil Survey (USDA-SCS, 1987) have been updated and replaced by the tables in this supplement.

The information in these tables is available in digital format with SSURGO data.

Table 4 Acreage and Proportionate Extent of the Soils

This table replaces Table 4 in the published soil survey (USDA-SCS, 1987) beginning on page 154.

Table 4 gives a revised estimate of acres and proportionate extent of each map unit in the published soil survey. The total acres of each map unit were compiled using digital soil survey data. The total acres for the soil survey came from Natural Resource Inventory data and the Soil Survey Schedule

Go to Table 4 on page 9.

Table 15 Engineering Index Properties

This table replaces Table 15 in the published soil survey (USDA-SCS, 1987) beginning on page 255.

Table 15 gives an estimate of the engineering classification and of the range of index properties for the major layers of each soil in the survey area. Most soils have layers of contrasting properties within the upper 5 or 6 feet.

Depth to the upper and lower boundaries of each layer is indicated. The range in depth and information on other properties of each layer are given for each soil series under the heading "Soil Series and Their Morphology" in the published soil survey (USDA-SCS, 1987), beginning on page 115.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is as much as about 15 percent, an

appropriate modifier is added, for example, "gravelly." Textural terms are defined in the Glossary in the published soil survey (USDA-SCS, 1987).

Classification of the soils is determined according to the Unified soil classification system (ASTM 1998) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO 1998).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to grain-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of grain-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and plasticity index (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

The estimates of grain-size distribution, liquid limit, and plasticity index are generally rounded to the nearest 5 percent. Thus, if the ranges of gradation and Atterberg limits extend a marginal amount (1 or 2 percentage points) across classification boundaries, the classification in the marginal zone is omitted in the table.

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Table 16 Physical and Chemical Properties

This table replaces Table 16 in the published soil survey (USDA-SCS, 1987) beginning on page 270.

Table 16 shows estimates of some physical and chemical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In the table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In the table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In the table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3 or 1/10 bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Permeability (Ksat) refers to the ability of a soil to transmit water or air. The term "permeability," as used in soil surveys, indicates saturated hydraulic conductivity (Ksat). The estimates in the table indicate the rate of water movement, in inches per hour, when the soil is saturated. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Permeability is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil, for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time. The available water capacity for each map unit is calculated to a depth of 60 inches, to bedrock, or to a densic contact. A representative value of each layer is multiplied by thickness of the layer to give a representative available water capacity value in inches per inch per layer. The values for each layer are summed to give a value for the soil. A representative value of 0 to 3 is very low available water capacity, 3 to 6 is low, 6 to 9 is moderate, 9 to 12 is high, and greater than 12 is very high.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3 or 1/10 bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the Table 4s percent change for the whole soil. Volume change is influenced by the amount and type of clay minerals in the soil.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In the table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in the Table 4s the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of several factors used in the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and permeability. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Soil reaction is a measure of acidity or alkalinity. The pH of each soil horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

Go to Table 16 on page 24.

Table 17A Soil Features

This table replaces soil feature information in Table 17 in the published soil survey (USDA-SCS, 1987) beginning on page 277.

Table 17A gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A restrictive layer is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. Depth to top is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, permeability, content of organic matter, and depth to the water Table 4re the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained,

very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as low, moderate, or high, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as low, moderate, or high. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Go to Table 17A on page 32.

Table 17B Water Features

This table replaces water feature information in Table 17 in the published soil survey (USDA-SCS, 1987) beginning on page 277.

Table 17B gives estimates of various water features. The estimates are used in land use planning that involves engineering considerations.

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. - Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. - Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. - Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. - Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

The months in the table indicate the portion of the year in which the feature is most likely to be a concern.

Water table refers to a saturated zone in the soil. The table indicates, by month, depth to the top (upper limit) and base (lower limit) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water Table 4t selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The table indicates surface water depth and the duration and frequency of ponding. Duration is expressed as very brief if less than 2 days, brief if 2 to 7 days, long if 7 to 30 days, and very long if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. None means that ponding is not probable; rare that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); occasional that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and frequent that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and frequency are estimated. Duration is expressed as extremely brief if 0.1 hour to 4 hours, very brief if 4 hours to 2 days, brief if 2 to 7 days, long if 7 to 30 days, and very long if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. None means that flooding is not probable; very rare that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); rare that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); occasional that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); frequent that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and very frequent that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Go to Table 17B on page 36.

References

1. United States Department of Agriculture, Soil Conservation Service (USDA-SCS). 1987. Soil Survey Windham County, Vermont.

2. American Association of State Highway and Transportation Officials (AASHTO). 1998. Standard specifications for transportation materials and methods of sampling and testing. 19th edition, 2 volumes.

3. American Society for Testing and Materials (ASTM). 1998. Standard classification of soils for engineering purposes. ASTM Standard D 2487.

Table 4.--Acreage and Proportionate Extent of the Soils

Map symbol	Soil name	Acres	Percent
1A	UNADILLA SILT LOAM, 0 TO 3 PERCENT SLOPES	841	0.2
1B	UNADILLA SILT LOAM, 3 TO 8 PERCENT SLOPES	488	*
1C	UNADILLA SILT LOAM, 8 TO 15 PERCENT SLOPES	281	*
1D	UNADILLA SILT LOAM, 15 TO 25 PERCENT SLOPES	257	*
1E	UDORTHENTS, STEEP	534	0.1
2A	BELGRADE SILT LOAM, 0 TO 3 PERCENT SLOPES	555	0.1
3B	QUONSET AND WARWICK SOILS, 2 TO 8 PERCENT SLOPES	6,430	1.3
3C	QUONSET AND WARWICK SOILS, 8 TO 15 PERCENT SLOPES	2,767	0.5
3D	QUONSET AND WARWICK SOILS, 15 TO 25 PERCENT SLOPES	1,364	0.3
3E	QUONSET AND WARWICK SOILS, 25 TO 70 PERCENT SLOPES	2,323	0.5
5B	WINDSOR LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES	2,977	0.6
5C	WINDSOR LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES	1,004	0.2
5D	WINDSOR LOAMY FINE SAND, 15 TO 25 PERCENT SLOPES	676	0.1
5E	WINDSOR LOAMY FINE SAND, 25 TO 60 PERCENT SLOPES	1,810	0.4
9B	DEERFIELD FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES	1,000	0.2
10A	AGAWAM VERY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	806	0.2
10B	AGAWAM VERY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	304	*
11B	BERKSHIRE AND MONADNOCK FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES	441	*
11C	BERKSHIRE AND MONADNOCK FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES	1,382	0.3
11D	BERKSHIRE AND MONADNOCK FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES	565	0.1
12C	STRATTON-GLEBE COMPLEX, 8 TO 15 PERCENT SLOPES, VERY ROCKY	858	0.2
12D	STRATTON-GLEBE COMPLEX, 15 TO 25 PERCENT SLOPES, VERY ROCKY	1,350	0.3
12E	STRATTON-GLEBE COMPLEX, 25 TO 50 PERCENT SLOPES, VERY ROCKY	4,420	0.9
16B	ADAMS LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES	878	0.2
16C	ADAMS LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES	612	0.1
16D	ADAMS LOAMY FINE SAND, 15 TO 25 PERCENT SLOPES	259	*
16E	ADAMS LOAMY FINE SAND, 25 TO 50 PERCENT SLOPES	480	*
17B	WORDEN LOAM, 3 TO 8 PERCENT SLOPES	3,286	0.6
17C	WORDEN LOAM, 8 TO 15 PERCENT SLOPES	2,076	0.4
18B	WORDEN LOAM, 3 TO 8 PERCENT SLOPES, VERY BOULDERY	16,770	3.3
18C	WORDEN LOAM, 8 TO 15 PERCENT SLOPES, VERY BOULDERY	19,280	3.8
18D	WORDEN LOAM, 15 TO 25 PERCENT SLOPES, VERY BOULDERY	1,346	0.3
20B	TUNBRIDGE-LYMAN FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES, VERY ROCKY	732	0.1
20C	TUNBRIDGE-LYMAN FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, VERY ROCKY	12,539	2.5
20D	TUNBRIDGE-LYMAN FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, VERY ROCKY	19,679	3.9
20E	TUNBRIDGE-LYMAN FINE SANDY LOAMS, 25 TO 50 PERCENT SLOPES, VERY ROCKY	19,949	3.9
21B	MARLOW FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	2,343	0.5
21C	MARLOW FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	5,145	1.0
21D	MARLOW FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1,513	0.3
22B	MARLOW FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	2,035	0.4
22C	MARLOW FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	9,787	1.9
22D	MARLOW FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	6,778	1.3
22E	MARLOW FINE SANDY LOAM, 25 TO 50 PERCENT SLOPES, VERY STONY	3,920	0.8
23	ONDAWA FINE SANDY LOAM	2,332	0.5
24	PODUNK FINE SANDY LOAM	2,428	0.5
25B	WESTBURY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	1,116	0.2
25C	WESTBURY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	816	0.2
26B	WESTBURY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	4,504	0.9
26C	WESTBURY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	3,560	0.7
26D	WESTBURY FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	407	*
29	WALPOLE FINE SANDY LOAM	568	0.1
31B	WILMINGTON VERY FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES, VERY STONY	10,810	2.1
33	RUMNEY FINE SANDY LOAM	1,692	0.3
34C	LYMAN-ROCK OUTCROP COMPLEX, 8 TO 15 PERCENT SLOPES	1,174	0.2
34D	LYMAN-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES	2,363	0.5
34E	LYMAN-ROCK OUTCROP COMPLEX, 25 TO 50 PERCENT SLOPES	5,776	1.1
37	HADLEY SILT LOAM	978	0.2
39	WINOOSKI SILT LOAM	512	0.1
40	LIMERICK SILT LOAM	623	0.1
41D	LONDONDERRY-STRATTON SILT LOAMS, 8 TO 25 PERCENT SLOPES, VERY ROCKY	1,604	0.3

See footnote at end of table.

Table 4.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Acres	Percent
41E	LONDONDERRY-STRATTON SILT LOAMS, 25 TO 70 PERCENT SLOPES, VERY ROCKY	1,434	0.3
43B	MUNDAL FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	1,440	0.3
43C	MUNDAL FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	2,700	0.5
43D	MUNDAL FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	326	*
44B	MUNDAL FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	2,986	0.6
44C	MUNDAL FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	19,120	3.7
44D	MUNDAL FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	10,950	2.1
44E	MUNDAL FINE SANDY LOAM, 25 TO 50 PERCENT SLOPES, VERY STONY	3,535	0.7
46B	BERKSHIRE AND MONADNOCK FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES, VERY STONY	451	*
46C	BERKSHIRE AND MONADNOCK FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, VERY STONY	4,052	0.8
46D	BERKSHIRE AND MONADNOCK FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, VERY STONY	5,326	1.0
46E	BERKSHIRE AND MONADNOCK FINE SANDY LOAMS, 25 TO 50 PERCENT SLOPES, VERY STONY	5,893	1.2
47	LUPTON MUCKY PEAT	2,357	0.5
48B	RAWSONVILLE-HOGBACK FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES ROCKY	626	0.1
48C	RAWSONVILLE-HOGBACK FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, ROCKY	14,340	2.8
48D	RAWSONVILLE-HOGBACK FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, ROCKY	19,759	3.9
48E	RAWSONVILLE-HOGBACK FINE SANDY LOAMS, 25 TO 50 PERCENT SLOPES, ROCKY	21,659	4.2
49B	HOUGHTONVILLE-RAWSONVILLE FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES, VERY BOULDERY	1,980	0.4
49C	HOUGHTONVILLE-RAWSONVILLE FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, VERY BOULDERY	20,138	3.9
49D	HOUGHTONVILLE-RAWSONVILLE FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, VERY BOULDERY	17,887	3.5
49E	HOUGHTONVILLE-RAWSONVILLE FINE SANDY LOAMS, 25 TO 50 PERCENT SLOPES, VERY BOULDERY	9,194	1.8
50B	COLTON LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES	3,265	0.6
50C	COLTON LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES	2,205	0.4
50D	COLTON LOAMY FINE SAND, 15 TO 25 PERCENT SLOPES	1,258	0.2
50E	COLTON LOAMY FINE SAND, 25 TO 60 PERCENT SLOPES	1,503	0.3
52A	SHEEPSCOT FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	452	*
52B	SHEEPSCOT FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	1,754	0.3
56B	MONADNOCK FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	257	*
56C	MONADNOCK FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	1,348	0.3
56D	MONADNOCK FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	1,425	0.3
56E	MONADNOCK FINE SANDY LOAM, 25 TO 50 PERCENT SLOPES, VERY STONY	1,423	0.3
60B	HOUGHTONVILLE FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	361	*
60C	HOUGHTONVILLE FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	2,023	0.4
60D	HOUGHTONVILLE FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1,338	0.3
61B	HOUGHTONVILLE FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	503	*
61C	HOUGHTONVILLE FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	8,148	1.6
61D	HOUGHTONVILLE FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	7,406	1.4
61E	HOUGHTONVILLE FINE SANDY LOAM, 25 TO 50 PERCENT SLOPES, VERY STONY	8,082	1.6
62	MARKEY MUCK	2,841	0.6
63C	BERKSHIRE-TUNBRIDGE FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, VERY STONY	7,553	1.5
63D	BERKSHIRE-TUNBRIDGE FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, VERY STONY	7,401	1.4
63E	BERKSHIRE-TUNBRIDGE FINE SANDY LOAMS, 25 TO 50 PERCENT SLOPES, VERY STONY	4,515	0.9
64	UDIFLUVENTS, LOAMY	506	*
65C	HOGBACK-RAWSONVILLE FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, VERY ROCKY	793	0.2
65D	HOGBACK-RAWSONVILLE FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES, VERY ROCKY	2,263	0.4
65E	HOGBACK-RAWSONVILLE FINE SANDY LOAMS, 25 TO 50 PERCENT SLOPES, VERY ROCKY	7,571	1.5
66B	HOUGHTONVILLE-RAWSONVILLE FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES, ROCKY	294	*
66C	HOUGHTONVILLE-RAWSONVILLE FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, ROCKY	973	0.2
67B	BERKSHIRE-TUNBRIDGE FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES, ROCKY	293	*
67C	BERKSHIRE-TUNBRIDGE FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES, ROCKY	1,683	0.3
68D	TACONIC-HUBBARDTON-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	3,527	0.7
68E	TACONIC-HUBBARDTON-ROCK OUTCROP COMPLEX, 25 TO 70 PERCENT SLOPES	3,938	0.8
69C	MACOMBER-TACONIC COMPLEX, 8 TO 15 PERCENT SLOPES, VERY ROCKY	6,728	1.3
69D	MACOMBER-TACONIC COMPLEX, 15 TO 25 PERCENT SLOPES, VERY ROCKY	8,337	1.6

See footnote at end of table.

Table 4.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Acres	Percent
69E	MACOMBER-TACONIC COMPLEX, 25 TO 70 PERCENT SLOPES, VERY ROCKY	5,148	1.0
70C	DUMMERSTON-MACOMBER COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	3,203	0.6
70D	DUMMERSTON-MACOMBER COMPLEX, 15 TO 25 PERCENT SLOPES, VERY STONY	1,811	0.4
70E	DUMMERSTON-MACOMBER COMPLEX, 25 TO 70 PERCENT SLOPES VERY STONY	562	0.1
71B	DUMMERSTON SILT LOAM, 3 TO 8 PERCENT SLOPES	359	*
71C	DUMMERSTON SILT LOAM, 8 TO 15 PERCENT SLOPES	1,375	0.3
71D	DUMMERSTON SILT LOAM, 15 TO 25 PERCENT SLOPES	566	0.1
72C	DUMMERSTON SILT LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	2,157	0.4
72D	DUMMERSTON SILT LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	2,477	0.5
72E	DUMMERSTON SILT LOAM, 25 TO 70 PERCENT SLOPES, VERY STONY	1,627	0.3
73B	FULLAM SILT LOAM, 3 TO 8 PERCENT SLOPES	1,012	0.2
73C	FULLAM SILT LOAM, 8 TO 15 PERCENT SLOPES	2,076	0.4
73D	FULLAM SILT LOAM, 15 TO 25 PERCENT SLOPES	499	*
74B	FULLAM SILT LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	855	0.2
74C	FULLAM SILT LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	2,201	0.4
74D	FULLAM SILT LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	1,541	0.3
74E	FULLAM SILT LOAM, 25 TO 35 PERCENT SLOPES, VERY STONY	1,127	0.2
75B	BRAYTON SILT LOAM, 2 TO 8 PERCENT SLOPES, VERY STONY	1,698	0.3
76B	DUMMERSTON-MACOMBER COMPLEX, 3 TO 8 PERCENT SLOPES, ROCKY	270	*
76C	DUMMERSTON-MACOMBER COMPLEX, 8 TO 15 PERCENT SLOPES, ROCKY	813	0.2
W	WATER, LESS THAN 40 ACRES	7,500	1.5
	Total	511,100	100.0

* Less than 0.1 percent.

Windham County, Vermont
Table 15.--Engineering Index Properties

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
1A,1B,1C,1D:												
Unadilla--------	0-10	sil (none)	ML	A-4	0	0	100	95-100	90-100	70-90	0-35	NP-10
	10-60	sil, vfsl (none)	CL-ML, ML	A-4	0	0	100	95-100	90-100	70-90	0-25	NP-10
1E:												
Udorthents------	0-60	sil, vfsl (none)	CL-ML, ML	A-4	0	0	100	95-100	90-100	70-90	0-25	NP-10
			GM	3, A-4								
2A:												
Belgrade--------	0-8	sil (none)	ML	A-4	0	0	100	95-100	90-100	60-95	0-35	NP-8
	8-26	sil, vfsl (none)	ML	A-4	0	0	100	95-100	85-100	50-90	0-35	NP-8
	26-60	sil, vfsl (none)	ML	A-4	0	0	100	95-100	85-100	50-90	0-35	NP-8
3B,3C,3D,3E:												
Quonset---------	0-7	fsl (none)	ML, SM, SP-SM	A-2, A-4	0	0-5	75-100	70-100	50-85	10-55	0-14	NP
	7-20	ls (cn-gr-grv)	SM, GM, SP-SM	A-1, A-2	0	0-5	45-75	40-75	20-50	5-20	0-14	NP
	20-60	s, cos (grv-cnv)	GP, GP-GM, SP, SP-SM	A-1	0	0-5	20-70	10-60	5-45	0-10	0-14	NP
Warwick---------	0-2	l (grv)	GW-GM, SM, GM	A-1, A-2, A-4	0	0-15	35-60	30-55	20-50	10-40	0-37	NP-8
	2-24	l, fsl, sl (grv-gr)	GM, GW-GM, SM, SP-SM	A-1, A-2, A-4	0	0-15	40-75	35-70	20-60	10-40	0-37	NP-8
	24-60	ls, lcos, s, cos (grv)	SW-SM, SW, GW, GW-GM	A-1	0	5-20	50-65	25-50	15-35	0-15	0-14	NP
5B,5C,5D,5E:												
Windsor---------	0-3	lfs (none)	SM	A-1, A-2	0	0	95-100	80-100	45-90	20-35	0-14	NP
	3-14	lfs, ls (none)	SM	A-1, A-2	0	0	95-100	80-100	45-90	15-30	0-14	NP
	14-60	ls, fs, s (none)	SM, SP, SP-SM	A-1, A-2, A-3	0	0	90-100	75-100	40-90	2-30	0-14	NP
9B:												
Deerfield-------	0-8	fsl (none)	SM, ML	A-2, A-4	0	0	95-100	80-100	50-85	25-55	0-14	NP
	8-21	lfs, ls, s (none)	SM, SP-SM	A-1, A-2, A-3	0	0	95-100	80-100	40-80	5-40	0-14	NP
	21-60	lfs, fs, s, cos (none)	SM, SP	A-1, A-2, A-3	0	0	95-100	65-100	30-75	3-30	0-14	NP

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments >10 inches	Fragments 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
10A,10B:												
Agawam----------	0-10	vfsl (none)	SM, ML	A-4	0	0	95-100	85-100	65-85	35-55	0-25	NP-3
	10-25	l, vfsl, fsl (none)	ML, SM	A-2, A-4	0	0	85-100	85-100	50-85	30-55	0-25	NP-3
	25-60	fs, s, cos (gr)	GM, GP-GM, SM, SP-SM	A-1, A-2, A-3	0	0-5	60-100	50-100	35-80	5-35	0-14	NP
11B,11C,11D:												
Berkshire-------	0-8	fsl (none)	ML, SM	A-2, A-4	0-5	0-15	75-95	65-90	40-90	20-70	0-30	NP-10
	8-23	l, fsl, sl (gr)	ML, SM	A-2, A-4	0-10	0-20	75-95	65-85	40-85	20-65	0-30	NP-10
	23-60	l, fsl, sl (gr)	SM, ML	A-2, A-4	0-10	0-20	75-90	65-85	40-80	20-60	0-20	NP-6
Monadnock-------	0-8	fsl (none)	ML, SM	A-2, A-4	0-1	0-10	80-100	70-100	50-85	30-60	0-18	NP
	8-24	l, fsl (gr)	ML, SM	A-2, A-4	0-1	0-10	80-100	70-100	50-85	30-60	0-12	NP
	24-60	ls (gr-grv)	SM, SW-SM, SP-SM	A-1, A-2	0-1	0-35	65-100	50-100	20-60	10-30	0-14	NP
12C,12D,12E:												
Stratton--------	0-4	sil (none)	ML, SM	A-2-4, A-2-5, A-4, A-5	0-1	0-20	80-100	75-100	50-100	30-90	20-50	NP-10
	4-7	sil, fsl (cbv)	GM, GW-GM, ML	A-1, A-2, A-4, A-5	0-5	0-60	30-100	25-100	20-100	10-90	20-50	NP-10
	7-16	sil, fsl (cbv-gr)	ML, GW-GM, GM	A-5, A-1, A-2, A-4	5-20	15-60	30-100	25-85	20-85	10-75	20-50	NP-10
	16-20	uwb (none)			---	---	---	---	---	---	---	---
Glebe----------	0-8	vfsl (none)	ML, SM	A-4	1-5	0-5	75-100	70-90	50-85	30-60	10-40	NP-10
	8-25	sil, vfsl, fsl (gr)	SM, ML, GM	A-2-4, A-4	0-5	0-5	65-90	60-85	40-85	25-75	10-40	NP-10
	25-29	uwb (none)			---	---	---	---	---	---	---	---
16B,16C,16D,16E:												
Adams----------	0-2	lfs (none)	SM, SP-SM	A-1, A-2, A-3, A-4	0	0	95-100	95-100	45-85	5-40	0-14	NP
	2-10	sl, lfs, ls (none)	ML, SM, SP-SM	A-2, A-4	0	0	90-100	75-100	60-100	10-55	15-20	NP-4
	10-21	lfs, ls, s (none)	SM, SP-SM	A-1, A-2, A-3, A-4	0	0	95-100	95-100	35-95	5-40	0-14	NP
	21-60	fs, s, cos (gr)	SP, SP-SM, SW-SM	A-1, A-2, A-3	0	0-1	80-100	70-100	20-90	0-10	0-14	NP

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments >10 inches	Fragments 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
17B,17C:												
Worden----------	0-2	l (none)	SM, ML	A-2-4, A-4, A-5	0-1	0-5	85-100	80-100	55-95	30-85	20-50	NP-10
	2-18	sil, l, fsl, sl (gr)	SM, ML	A-2-4, A-4, A-5	0-5	0-5	75-100	70-100	50-95	30-85	20-50	NP-10
	18-50	sil, l, fsl, sl (gr)	SM, ML, CL-ML, CL	A-2-4, A-4	0-5	0-10	75-100	70-100	50-95	30-85	15-30	NP-10
	50-60	l, fsl (gr)	CL, ML, SM, CL-ML	A-2-4, A-4	0-5	0-10	75-100	70-100	50-95	30-85	15-30	NP-10
18B,18C,18D:												
Worden----------	0-2	l (none)	ML, SM	A-2-4, A-4, A-5	1-5	5-20	85-100	80-95	55-95	30-85	20-50	NP-10
	2-18	sil, l, fsl, sl (gr)	ML, GM, SM	A-2-4, A-4	0-5	0-5	70-100	65-95	55-95	30-85	20-50	NP-10
	18-50	sil, l, fsl, sl (gr)	CL, CL-ML, SM, GM	A-2-4, A-4	0-5	0-10	65-100	60-95	50-95	30-85	0-30	NP-10
	50-60	l, fsl (gr)	CL, GC-GM, SM, ML	A-2-4, A-4	0-5	0-10	65-100	60-95	40-90	25-70	0-30	NP-10
20B,20C,20D,20E:												
Tunbridge-------	0-2	fsl (none)	GM, ML, SM	A-2, A-4	0-5	0-5	60-100	55-95	40-95	20-85	0-20	NP-2
	2-27	sil, fsl, sl (gr)	ML, SM	A-2, A-4, A-5	0-2	0-15	70-100	60-95	35-95	20-85	0-50	NP-6
	27-31	uwb (none)			---	---	---	---	---	---	---	---
Lyman----------	0-5	fsl (none)	GM, ML, SM	A-1, A-2, A-4	0-5	0-15	80-95	70-90	40-85	20-80	0-30	NP-6
	5-15	sil, l, fsl (cn)	SM, GM, ML	A-1, A-2, A-4	0-3	0-20	65-95	60-90	35-85	20-80	0-30	NP-4
	15-19	uwb (none)			---	---	---	---	---	---	---	---
21B,21C,21D:												
Marlow----------	0-9	fsl (none)	CL-ML, SC, SM, ML	A-2, A-4	0-1	0-10	90-100	75-90	50-90	30-80	0-30	NP-10
	9-30	l, fsl, sl (gr)	CL-ML, SC-SM, SM, ML	A-1-b, A-2, A-4	0-1	0-15	75-95	60-90	40-85	20-65	0-30	NP-10
	30-60	fsl, sl (gr)	CL-ML, ML, SC-SM, SM	A-1-b, A-2, A-4	0-1	0-15	70-90	60-85	35-80	20-60	0-30	NP-10

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments >10 inches	Fragments 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
22B,22C,22D,22E:												
Marlow----------	0-2	fsl (none)	SM, SC, ML, CL-ML	A-2, A-4	0-1	0-10	90-100	75-90	50-90	30-80	0-30	NP-10
	2-30	l, fsl, sl (gr)	SC-SM, CL-ML, ML, SM	A-1-b, A-2, A-4	0-1	0-15	75-95	60-90	40-85	20-65	0-30	NP-10
	30-60	fsl, sl (gr)	CL-ML, SC-SM, SM, ML	A-1-b, A-2, A-4	0-1	0-15	70-90	60-85	35-80	20-60	0-30	NP-10
23:												
Ondawa----------	0-6	fsl (none)	SM, ML	A-2, A-4	0	0	100	95-100	60-100	30-60	0-14	NP
	6-26	l, fsl, sl (none)	SM, ML	A-2, A-4	0	0	100	95-100	80-95	20-70	0-14	NP
	26-60	lfs, ls, s (gr)	SM, SP, SP-SM	A-1, A-2, A-3	0	0	70-100	45-100	25-75	0-25	0-14	NP
24:												
Podunk----------	0-8	fsl (none)	ML, SM	A-2, A-4	0	0	100	100	60-100	30-90	0-14	NP
	8-30	l, fsl, sl (none)	ML, SM	A-2, A-4	0	0	100	100	60-95	30-75	0-14	NP
	30-60	lfs, s, cos (gr)	SM, SP, SP-SM	A-1, A-2, A-3	0	0	70-100	45-100	25-75	0-25	0-14	NP
25B,25C:												
Westbury--------	0-6	fsl (none)	ML, SM	A-2, A-4	0-1	0-5	65-95	50-90	30-90	30-70	0-15	NP-4
	6-15	sil, l, fsl (gr)	ML, GM, SM	A-1, A-2, A-4	0	0-15	65-85	50-80	30-75	15-70	0-15	NP-4
	15-28	l, fsl, sl (gr-grv)	GM, GW-GM, ML, SM	A-1, A-2, A-4	0	0-15	55-85	35-80	20-75	10-65	0-15	NP-4
	28-60	l, vfsl, fsl, sl (gr-grv)	GM, GW-GM, ML, SM	A-1, A-2, A-4	0	0-15	55-85	35-80	20-75	10-65	0-15	NP-4
26B,26C,26D:												
Westbury--------	0-6	fsl (none)	GM, ML, SM	A-1, A-2, A-4	1-5	0-15	65-95	50-90	30-90	15-70	0-15	NP-4
	6-15	sil, l, fsl (gr)	GM, ML, SM	A-1, A-2, A-4	0	0-15	55-95	50-80	30-75	15-70	0-15	NP-4
	15-28	l, fsl, sl (gr-grv)	GM, GW-GM, ML, SM	A-1, A-2, A-4	0	0-15	40-90	35-80	20-75	10-65	0-15	NP-4
	28-60	l, fsl, sl (gr-grv)	GM, GW-GM, ML, SM	A-1, A-2, A-4	0	0-15	40-90	35-80	20-75	10-65	0-15	NP-4
29:												
Walpole---------	0-3	fsl (none)	ML, SM	A-2, A-4	0	0-5	90-100	75-100	55-90	25-60	0-25	NP-3
	3-28	fsl, sl (gr)	SM	A-2, A-4	0	0-5	85-100	60-100	40-85	20-50	0-14	NP
	28-60	ls, s (gr-grv)	GM, GP, SM, SP	A-1, A-2, A-3	0	0-20	55-100	50-100	25-80	2-30	0-14	NP

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
31B:												
Wilmington------	0-2	vfsl (none)	SM, GM	A-2, A-4, A-5	0-5	0-20	65-100	60-95	40-90	25-60	20-50	NP-10
	2-19	sil, l, vfsl, fsl (none)	ML, GM, SM	A-2-4, A-4, A-5	0-5	0-20	65-100	60-95	45-95	25-85	20-50	NP-10
	19-53	sil, l, fsl (none)	CL, ML, SC, SM	A-2-4, A-4	0-5	0-20	65-100	60-95	45-95	25-85	15-30	NP-10
	53-60	sil, l, fsl (gr)	CL, ML, SC, SM	A-2-4, A-4	0-5	0-30	60-100	60-95	45-95	25-85	15-30	NP-10
33:												
Rumney----------	0-8	fsl (none)	ML, SM	A-4, A-2	0	0	85-100	75-100	45-85	25-55	0-25	NP-4
	8-33	l, fsl, sl (none)	SM, ML	A-2, A-4	0	0	85-100	75-100	45-95	25-75	0-15	NP-4
	33-60	ls, s (gr)	SM, SP, SP-SM	A-1, A-2, A-3	0	0	70-100	45-100	25-75	0-25	0-14	NP
34C,34D,34E:												
Lyman----------	0-5	fsl (none)	SM, GM, ML	A-1, A-2, A-4	0-5	0-15	80-95	70-90	40-85	20-80	0-30	NP-6
	5-15	sil, l, fsl (cn)	ML, SM, GM	A-1, A-2, A-4	0-3	0-20	65-95	60-90	35-85	20-80	0-30	NP-4
	15-19	uwb (none)			---	---	---	---	---	---	---	---
Rock Outcrop----	0-60	uwb (none)			---	---	---	---	---	---	---	---
37:												
Hadley----------	0-7	sil (none)	ML, CL-ML	A-4	0	0	100	95-100	85-100	60-90	0-30	NP-7
	7-60	sil, vfsl (none)	CL-ML, ML	A-4	0	0	100	95-100	80-100	50-90	0-39	NP-10
39:												
Winooski--------	0-7	sil (none)	ML, SM	A-4	0	0	100	95-100	90-100	40-90	0-30	NP
	7-60	sil, vfsl, lvfs (none)	ML, SM	A-4	0	0	100	95-100	90-100	40-90	0-30	NP
40:												
Limerick--------	0-6	sil (none)	ML	A-4	0	0	100	100	95-100	80-95	0-14	NP
	6-60	sil, vfsl (none)	ML	A-4	0	0	100	100	95-100	80-95	0-14	NP
41D,41E:												
Londonderry-----	0-2	sil (none)	CL-ML, ML, CL, SM	A-2-4, A-4	0-1	0-10	85-100	80-95	50-95	25-85	15-30	NP-10
	2-5	sil, fsl (none)	SM, ML, CL, CL-ML	A-2-4, A-4	0-2	0-10	80-100	75-100	50-100	30-90	15-30	NP-10
	5-9	uwb (none)			---	---	---	---	---	---	---	---

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Stratton--------	0-4	sil (none)	SM, ML	A-2, A-4, A-5	0-1	0-20	80-100	75-100	50-100	30-90	20-50	NP-10
	4-7	sil, fsl (cbv)	GM, GW-GM, ML	A-1, A-2, A-4, A-5	0-5	0-60	30-100	25-100	20-100	10-90	20-50	NP-10
	7-16	sil, fsl (cbv-gr)	GM, GW-GM, ML	A-1, A-2, A-4, A-5	5-20	15-60	30-90	25-85	20-85	10-75	15-50	NP-10
	16-20	uwb (none)			---	---	---	---	---	---	---	---
43B,43C,43D:												
Mundal----------	0-3	fsl (none)	ML, SM	A-2-4, A-4, A-5	0-1	0-10	75-100	70-95	50-95	30-85	20-50	NP-10
	3-25	l, fsl, sl (gr)	ML, SM	A-2-4, A-4, A-5	0-5	0-10	80-100	75-100	45-95	20-75	20-50	NP-10
	25-60	l, fsl, sl (gr-cb)	CL, ML, SC, SM	A-2-4, A-4	0-5	0-20	35-95	30-90	20-85	10-70	0-30	NP-10
44B,43C,43D:												
Mundal----------	0-3	fsl (none)	SM, ML	A-2-4, A-4, A-5	0-1	0-10	75-100	70-95	50-95	30-85	20-50	NP-10
	3-25	l, fsl, sl (gr)	SM, ML	A-2-4, A-4, A-5	0-5	0-10	80-100	75-100	45-95	20-75	20-50	NP-10
	25-60	l, fsl, sl (gr-cb)	CL, GC, ML, SM	A-2-4, A-4	0-5	0-20	35-95	30-90	20-85	10-70	0-30	NP-10
46B,46C,46D,46E:												
Berkshire-------	0-2	fsl (none)	ML, SM	A-2, A-4, A-5	0-5	0-15	75-95	65-90	40-90	20-70	0-50	NP-10
	2-23	l, fsl, sl (gr)	SM, ML	A-2, A-4, A-5	0-10	0-20	75-95	65-85	40-85	20-65	0-50	NP-10
	23-60	l, fsl, sl (gr)	SM, ML	A-2, A-4	0-10	0-20	75-90	65-85	40-80	20-55	0-20	NP-6
Monadnock-------	0-2	fsl (none)	SM, ML	A-2, A-4	0-1	0-10	80-100	70-100	50-85	30-60	0-18	NP
	2-24	l, fsl (gr)	ML, SM	A-2, A-4	0-1	0-10	80-95	70-90	50-85	30-60	0-12	NP
	24-60	ls (gr-grv)	SW-SM, SP-SM, SM	A-1, A-2	0-1	0-35	65-85	50-80	20-60	10-30	0-14	NP
47:												
Lupton----------	0-4	mpt (none)	PT	A-8	0	0	---	---	---	---	---	---
	4-60	muck (none)	PT	A-8	0	0	---	---	---	---	---	---
48B,48C,48D,48E:												
Rawsonville-----	0-1	fsl (none)	SM, ML	A-4, A-5	0-1	0-5	75-100	70-95	50-95	30-90	20-50	NP-10
	1-19	sil, l, fsl (gr)	SM, ML	A-2-4, A-4, A-5	0-5	0-10	75-100	70-95	50-95	30-70	20-50	NP-10
	19-28	fsl, lfs (gr)	GC, GM, SM, SC	A-2-4, A-4	0-5	0-5	60-95	55-90	35-75	10-50	15-30	NP-10
	28-32	uwb (none)			---	---	---	---	---	---	---	---

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Hogback---------	0-2	fsl (none)	SM, ML	A-2-4, A-4, A-5	1-5	0-20	75-100	70-95	50-90	30-70	20-50	NP-10
	2-15	l, fsl (gr)	SM, ML	A-2-4, A-4, A-5	0-5	0-20	75-100	70-95	50-90	30-70	20-50	NP-10
	15-19	uwb (none)			---	---	---	---	---	---	---	---
49B,49C,49D,49E:												
Houghtonville---	0-4	fsl (none)	SM, ML	A-2-4, A-4, A-5	0-1	0-5	85-100	80-95	55-95	30-85	20-50	NP-10
	4-23	sil, fsl (gr)	SM, ML	A-2-4, A-4	0-5	0-5	75-100	70-95	50-90	30-70	20-50	NP-10
	23-60	sil, fsl (gr)	SM, CL, GC-GM, ML	A-2-4, A-4	0-5	0-10	60-95	55-90	40-90	25-80	0-30	NP-10
Rawsonville-----	0-1	fsl (none)	ML, SM	A-4, A-5	0-1	0-5	75-100	70-95	50-95	30-90	20-50	NP-10
	1-19	sil, l, fsl (gr)	SM, ML	A-2-4, A-4, A-5	0-5	0-10	75-100	70-95	50-95	30-70	20-50	NP-10
	19-28	fsl, lfs (gr)	SC, GM, GC, SM	A-2-4, A-4	0-5	0-5	60-95	55-90	35-75	10-50	15-30	NP-10
	28-32	uwb (none)			---	---	---	---	---	---	---	---
50B,50C,50D,50E:												
Colton----------	0-4	ls (none)	SW-SM, SP-SM, SM	A-2, A-3	0	0-5	80-90	75-85	35-65	5-25	0-10	NP-2
	4-31	lfs, s, cos (gr-grv-cb)	GM, SM, SP	A-1	0-1	5-20	30-80	25-75	20-50	2-20	0-14	NP
	31-60	ls, s, cos (grv-cbv-grx)	GW, SW	A-1	0-1	10-45	20-55	15-50	10-30	0-5	0-14	NP
52A,52B:												
Sheepscot-------	0-6	fsl (none)	CL-ML, SC-SM, SM, ML	A-4, A-1, A-2	0	0-5	80-95	75-90	45-85	20-60	0-15	NP-5
	6-16	fsl, sl, cosl (gr-grv)	GM, GP-GM, SP-SM, SM	A-1, A-2, A-3, A-4	0-1	0-5	40-95	35-90	20-75	5-50	0-15	NP-5
	16-36	ls, s, cos (grv-grx)	GM, SM	A-1	0-1	5-25	20-55	15-50	5-40	1-15	0-14	NP
	36-60	ls, s, cos (grv-grx)	GM, SM	A-1	0-1	5-30	20-55	15-50	5-40	1-15	0-14	NP
56B,56C,56D,56E:												
Monadnock-------	0-2	fsl (none)	SM, ML	A-2, A-4	0-1	0-10	80-100	70-100	50-85	30-60	0-18	NP
	2-24	l, fsl (gr)	ML, SM	A-2, A-4	0-1	0-10	80-95	70-90	50-85	30-60	0-12	NP
	24-60	ls (gr-grv)	SM, SP-SM, SW-SM	A-1, A-2	0-1	0-35	65-85	50-80	20-60	10-30	0-14	NP

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
60B,60C,60D:												
Houghtonville---	0-8	fsl (none)	ML, SM	A-2-4, A-4, A-5	0-1	0-5	85-100	80-95	55-95	30-85	20-50	NP-10
	8-23	sil, fsl (gr)	ML, SM	A-2-4, A-4, A-5	0-5	0-5	75-100	70-95	50-95	30-85	20-50	NP-10
	23-60	sil, fsl (gr)	CL, ML, SM, CL-ML	A-2-4, A-4	0-5	0-10	60-95	55-90	40-90	25-80	0-30	NP-10
61B,61C,61D,61E:												
Houghtonville---	0-4	fsl (none)	SM, ML	A-2-4, A-4, A-5	0-1	0-5	85-100	80-95	55-95	30-85	20-50	NP-10
	4-32	sil, fsl (gr)	SM, ML	A-2-4, A-4, A-5	0-5	0-5	75-100	70-95	50-90	30-70	20-50	NP-10
	32-60	sil, fsl (gr)	SM, ML, CL-ML, CL	A-2-4, A-4	0-5	0-10	60-95	55-90	40-90	25-80	0-30	NP-10
62:												
Markey----------	0-34	muck (none)	PT	A-8	0	0	---	---	---	---	---	---
	34-60	ls, fs, s (gr)	SP-SM, SM, SP	A-1, A-2, A-3	0	0	95-100	60-100	30-75	0-30	---	NP
63C,63D,63E:												
Berkshire-------	0-2	fsl (none)	ML, SM	A-2, A-4, A-5	0-5	0-15	75-95	65-90	40-90	20-70	0-50	NP-10
	2-23	l, fsl, sl (gr)	ML, SM	A-2, A-4, A-5	0-10	0-20	75-95	65-85	40-85	20-65	0-50	NP-10
	23-60	l, fsl, sl (gr)	ML, SM	A-2, A-4	0-10	0-20	75-90	65-85	40-80	20-55	0-20	NP-6
Tunbridge-------	0-2	fsl (none)	SM, GM, ML	A-2, A-4	0-5	0-5	60-100	55-95	40-95	20-85	0-20	NP-2
	2-27	sil, fsl, sl (gr)	ML, SM	A-4, A-5, A-2	0-2	0-15	70-100	60-95	35-95	20-85	0-50	NP-6
	27-31	uwb (none)			---	---	---	---	---	---	---	---
64:												
Udifluvents-----	0-6	s (none)			---	---	---	---	---	---	---	---
	6-60	s (none)			---	---	---	---	---	---	---	---
65C,65D,65E:												
Hogback---------	0-2	fsl (none)	SM, ML	A-2-4, A-4, A-5	1-5	0-20	75-100	70-95	50-90	30-70	20-50	NP-10
	2-15	l, fsl (gr)	SM, ML	A-2-4, A-4, A-5	0-5	0-20	75-100	70-95	50-90	30-70	20-50	NP-10
	15-19	uwb (none)			---	---	---	---	---	---	---	---

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Rawsonville-----	0-1	fsl (none)	ML, SM	A-4, A-5	0-1	0-5	75-100	70-95	50-95	30-90	20-50	NP-10
	1-19	sil, l, fsl (gr)	ML, SM	A-2-4, A-4, A-5	0-5	0-10	75-100	70-95	50-95	30-70	20-50	NP-10
	19-28	fsl, lfs (gr)	GC, GM, SC, SM	A-2-4, A-4	0-5	0-5	60-95	55-90	35-75	10-50	15-30	NP-10
	28-32	uwb (none)			---	---	---	---	---	---	---	---
66B,66C:												
Houghtonville---	0-8	fsl (none)	ML, SM	A-2-4, A-4, A-5	0-1	0-5	85-100	80-95	55-95	30-85	20-50	NP-10
	8-23	sil, fsl (gr)	ML, SM	A-2-4, A-4, A-5	0-5	0-5	75-100	70-95	50-95	30-85	20-50	NP-10
	23-60	sil, fsl (gr)	CL, CL-ML, ML, SM	A-2-4, A-4	0-5	0-10	60-95	55-90	40-90	25-80	0-30	NP-10
Rawsonville-----	0-1	fsl (none)	ML, SM	A-4, A-5	0-1	0-5	75-100	70-95	50-95	30-90	20-50	NP-10
	1-19	sil, l, fsl (gr)	ML, SM	A-2-4, A-2-5, A-4	0-5	0-5	75-100	70-95	40-90	30-70	20-50	NP-10
	19-28	fsl, lfs (gr)	GC, GM, SC, SM	A-2-4, A-4	0-5	0-5	60-95	55-90	35-75	10-50	15-30	NP-10
	28-32	uwb (none)			---	---	---	---	---	---	---	---
67B,67C:												
Berkshire-------	0-8	fsl (none)	ML, SM	A-2, A-4	0-5	0-15	75-95	65-90	40-90	20-70	0-30	NP-10
	8-23	l, fsl, sl (gr)	SM, ML	A-2, A-4	0-10	0-20	75-95	65-85	40-85	20-65	0-30	NP-10
	23-60	l, fsl, sl (gr)	SM, ML	A-2, A-4	0-10	0-20	75-90	65-85	40-80	20-60	0-20	NP-6
Tunbridge-------	0-8	fsl (none)	SM, ML	A-2, A-4	0-1	0-5	60-100	55-95	40-95	20-85	15-20	NP-2
	8-27	sil, fsl, sl (gr)	ML, SM	A-2, A-4, A-5	0-2	0-15	70-100	60-95	35-95	20-85	15-50	NP-6
	27-31	uwb (none)			---	---	---	---	---	---	---	---
68D,68E:												
Taconic---------	0-2	l (cn)	ML, GM, CL-ML, SM	A-2, A-4, A-6	0-1	0-15	55-90	50-85	40-85	30-75	15-35	3-15
	2-19	sil, l (cnv)	GC-GM, GM, GC	A-1, A-2, A-4, A-6	0-1	5-15	30-60	25-55	20-55	15-50	15-35	3-15
	19-23	uwb (none)			---	---	---	---	---	---	15-30	---
Hubbardton------	0-2	sil (cnv)	SM, SC-SM, GM, GC-GM	A-1, A-2, A-4	0-1	30-55	60-75	55-70	40-70	20-65	25-37	4-10
	2-6	sil, fsl (cnv-flv)	GC-GM, GM, SM, SC-SM	A-1, A-2, A-4	0-5	30-55	60-75	55-70	40-70	20-65	25-35	4-10
	6-10	uwb (none)			---	---	---	---	---	---	---	---

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Rock Outcrop----	0-60	uwb (none)			---	---	---	---	---	---	---	---
69C,69D,69E:												
Macomber--------	0-2	sil (cn)	ML, CL, SM, CL-ML	A-4, A-6	0-1	0-5	80-90	75-85	65-85	30-70	15-35	3-15
	2-34	sil, l (cnv-cn)	GC, GC-GM, GM	A-1, A-2, A-4, A-6	0-1	5-15	30-55	25-50	20-50	15-45	15-35	3-15
	34-38	uwb (none)			---	---	---	---	---	---	---	---
Taconic---------	0-2	l (cn)	CL, CL-ML, ML, SM	A-2, A-4, A-6	0-1	0-15	55-90	50-85	40-85	30-75	15-35	3-15
	2-19	sil, l (cnv-cn)	GC, GM, GC-GM	A-1, A-2, A-4, A-6	0	5-15	30-60	25-55	20-55	15-50	15-30	3-15
	19-23	uwb (none)			---	---	---	---	---	---	---	---
70C,70D,70E:												
Dummerston------	0-3	sil (none)	SM, SC, ML, CL	A-2, A-4, A-6	0-1	0-10	70-100	65-95	50-95	30-85	15-35	NP-15
	3-30	sil, fsl (cn)	ML, SC, CL, SM	A-2, A-4, A-6	0-5	0-15	60-100	55-95	40-95	20-85	15-30	NP-15
	30-60	sil, l, sl (cn)	SM, ML, CL, SC	A-2, A-4, A-6	0-5	0-15	50-90	45-85	30-85	20-75	15-30	NP-15
Macomber--------	0-2	sil (cn)	CL, CL-ML, ML, SM	A-4, A-6	0-1	0-5	80-90	75-85	65-85	30-70	15-35	3-15
	2-34	sil, l (cnv-cn)	GC, GM, GC-GM	A-1, A-2, A-4, A-6	0-1	5-15	30-55	25-50	20-50	15-45	15-35	3-15
	34-38	uwb (none)			---	---	---	---	---	---	---	---
71B,71C,71D:												
Dummerston------	0-9	sil (none)	SM, SC, CL, ML	A-2, A-4, A-6	0-1	0-10	70-100	65-95	50-95	30-85	15-35	NP-15
	9-30	sil, fsl (cn)	CL, SM, SC, ML	A-2, A-4, A-6	0-5	0-15	75-100	70-95	50-95	30-85	15-30	NP-15
	30-60	sil, l, sl (cn)	SM, SC, ML, CL	A-2, A-4, A-6	0-5	0-15	50-90	45-85	30-85	20-75	15-30	NP-15
72C,72D,72E:												
Dummerston------	0-3	sil (none)	SM, SC, ML, CL	A-2, A-4, A-6	0-1	0-10	70-100	65-95	50-95	30-85	15-35	NP-15
	3-30	sil, fsl (cn)	CL, SC, SM, ML	A-2, A-4, A-6	0-5	0-15	60-100	55-95	40-95	20-85	15-30	NP-15
	30-60	sil, l, sl (cn)	CL, ML, SC, SM	A-2, A-4, A-6	0-5	0-15	50-90	45-85	30-85	20-75	15-30	NP-15

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
73B,73C,73D:												
Fullam----------	0-6	sil (none)	ML, SC, SM, CL	A-4, A-6	0-1	0-10	70-100	65-95	50-95	30-85	15-35	NP-15
	6-22	sil, fsl (cn)	ML, SC, SM, CL	A-2, A-4, A-6	0-5	0-15	75-100	70-95	50-95	30-85	15-30	NP-15
	22-60	sil, fsl (cn)	CL, ML, SM, SC	A-2, A-4, A-6	0-5	0-15	50-90	45-85	30-85	20-75	15-30	NP-15
74B,74C,74D,74E:												
Fullam----------	0-2	sil (none)	SM, SC, ML, CL	A-2, A-4, A-6	0-1	0-10	70-100	65-95	50-95	30-85	15-35	NP-15
	2-22	sil, fsl (cn)	SM, SC, ML, CL	A-2, A-4, A-6	0-5	0-15	60-100	55-95	40-95	20-85	15-30	NP-15
	22-60	sil, fsl (cn)	SM, SC, ML, CL	A-2, A-4, A-6	0-5	0-15	50-90	45-85	35-85	20-75	15-30	NP-15
75B:												
Brayton---------	0-4	sil (none)	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4	0-5	0-20	65-100	55-95	35-95	20-85	0-30	NP-10
	4-17	sil, fsl, sl (gr)	CL-ML, ML, SC-SM, SM	A-1, A-2, A-4	0-10	0-10	65-95	55-90	35-90	20-80	0-30	NP-10
	17-60	sil, l, fsl, sl (cn-gr)	ML, SC-SM, SM	A-1, A-2, A-4	0-10	0-10	65-95	55-90	35-85	20-70	0-30	---
76B:												
Dummerston------	0-9	sil (none)	CL, ML, SC, SM	A-2, A-4, A-6	0-1	0-10	70-100	65-95	50-95	30-85	15-35	NP-15
	9-30	sil, fsl (cn)	CL, SM, SC, ML	A-2, A-4, A-6	0-5	0-15	75-100	70-95	50-95	30-85	15-30	NP-15
	30-60	sil, l, sl (cn)	SM, CL, ML, SC	A-2, A-4, A-6	0-5	0-15	50-90	45-85	30-85	20-75	15-30	NP-15
Macomber--------	0-9	sil (cn)	CL, CL-ML, ML, SM	A-4, A-6	0-1	0-5	80-90	75-85	65-85	45-75	15-35	3-15
	9-26	sil, l (cnv)	GC, GC-GM, GM	A-1, A-2, A-4	0-1	5-15	30-55	25-50	20-50	15-45	15-30	3-15
	26-30	uwb (none)			---	---	---	---	---	---	---	---
76C:												
Dummerston------	0-9	sil (none)	CL, ML, SC, SM	A-2, A-4, A-6	0-1	0-10	70-100	65-95	50-95	30-85	15-35	NP-15
	9-30	sil, fsl (cn)	SM, SC, CL, ML	A-2, A-4, A-6	0-5	0-15	75-100	70-95	50-95	30-85	15-30	NP-15
	30-60	sil, l, sl (cn)	CL, ML, SC, SM	A-2, A-4, A-6	0-5	0-15	50-90	45-85	30-85	20-75	15-30	NP-15

Table 15.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture (texture modifiers allowed)	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
	In				Pct	Pct					Pct	
Macomber--------	0-6	sil (cn)	SM, ML, CL-ML, CL	A-4, A-6	0-1	0-5	80-90	75-85	65-85	45-75	15-35	3-15
	6-26	sil, l (cnv)	GC-GM, GC, GM	A-1, A-2, A-4	0-1	5-15	30-55	25-50	20-50	15-45	15-30	3-15
	26-30	uwb (none)			---	---	---	---	---	---	---	---

Table 16.--Physical and Chemical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
1A,1B,1C,1D:													
Unadilla----------	0-10	0-60	30-90	2-18	1.20-1.50	0.6-2	0.18-0.21	0.0-2.9	2.0-7.0	.49	.49	5	4.5-6.0
	10-60	0-60	30-90	1-18	1.20-1.50	0.6-2	0.17-0.20	0.0-2.9	0.0-1.0	.64	.64		4.5-6.0
1E:													
Udorthents----------	0-60	0-60	30-90	1-18	1.20-1.50	0.6-2	0.17-0.20	0.0-2.9	0.0-1.0	.64	.64		4.5-6.0
2A:													
Belgrade----------	0-8	0-60	30-90	4-15	0.95-1.15	0.6-2	0.18-0.25	0.0-2.9	1.0-5.0	.49	.49	5	4.5-7.3
	8-26	0-60	30-90	4-15	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-3.0	.64	.64		4.5-7.3
	26-60	0-60	30-90	2-20	1.20-1.40	0.06-0.6	0.06-0.20	0.0-2.9	0.0-1.0	.64	.64		6.1-7.8
3B,3C,3D,3E:													
Quonset----------	0-7	60-85	5-50	2-7	1.20-1.30	2-20	0.08-0.18	0.0-2.9	0.6-7.0	.20	.20	5	3.6-5.5
	7-20	60-85	5-50	1-4	1.40-1.50	2-20	0.04-0.07	0.0-2.9	0.5-2.0	.17	.20		3.6-5.5
	20-60	85-100	0-15	0-2	1.40-1.50	20-100	0.01-0.03	0.0-2.9	0.0-0.5	.10	.17		5.1-6.5
Warwick----------	0-2	40-80	15-50	3-8	1.10-1.20	2-6	0.04-0.20	0.0-2.9	1.0-5.0	.17	.24	3	3.6-6.5
	2-24	40-80	15-50	3-8	1.20-1.40	2-6	0.03-0.16	0.0-2.9	0.5-2.0	.24	.32		4.5-6.0
	24-60	75-100	0-25	0-3	1.30-1.50	20-100	0.01-0.05	0.0-2.9	0.0-0.5	.10	.17		4.5-6.5
5B,5C,5D,5E:													
Windsor----------	0-3	75-100	0-25	1-3	1.00-1.20	6-20	0.09-0.12	0.0-2.9	2.0-4.0	.17	.17	5	4.5-6.0
	3-14	75-100	0-25	0-3	1.30-1.55	6-20	0.07-0.10	0.0-2.9	0.5-2.0	.17	.17		4.5-6.0
	14-60	85-100	0-15	0-2	1.40-1.65	6-20	0.04-0.10	0.0-2.9	0.0-0.5	.10	.10		4.5-6.5
9B:													
Deerfield----------	0-8	60-85	5-50	2-7	0.95-1.10	2-6	0.12-0.23	0.0-2.9	1.0-4.0	.24	.24	5	4.5-6.5
	8-21	75-100	0-25	1-7	1.20-1.45	6-20	0.01-0.13	0.0-2.9	0.5-2.0	.17	.17		4.5-6.5
	21-60	75-100	0-25	0-5	1.40-1.50	20-100	0.01-0.08	0.0-2.9	0.0-0.5	.17	.17		4.5-6.5
10A,10B:													
Agawam----------	0-10	40-80	15-50	4-10	1.10-1.20	2-6	0.15-0.21	0.0-2.9	1.0-5.0	.28	.28	3	4.5-6.5
	10-25	40-80	15-50	1-10	1.20-1.40	2-6	0.11-0.21	0.0-2.9	0.5-3.0	.37	.37		4.5-6.5
	25-60	85-100	0-15	1-2	1.30-1.40	6-20	0.02-0.12	0.0-2.9	0.0-1.0	.17	.20		4.5-6.5
11B,11C,11D:													
Berkshire----------	0-8	40-80	15-50	3-10	1.10-1.15	0.6-6	0.10-0.22	0.0-2.9	2.0-5.0	.24	.24	5	3.6-6.0
	8-23	40-80	15-50	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	0.5-4.5	.32	.37		3.6-6.0
	23-60	40-80	15-50	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	0.0-1.0	.24	.28		3.6-6.0
Monadnock----------	0-8	40-80	15-50	1-8	0.80-1.20	0.6-2	0.15-0.21	0.0-2.9	3.0-8.0	.28	.28	3	3.6-6.0
	8-24	40-80	15-50	1-8	0.80-1.30	0.6-2	0.09-0.17	0.0-2.9	0.5-4.5	.28	.28		3.6-6.0
	24-60	70-90	0-30	1-5	1.30-1.60	2-6	0.04-0.08	0.0-2.9	0.0-1.0	.17	.20		3.6-6.0

Table 16.--Physical and Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
12C,12D,12E:													
Stratton----------	0-4	30-80	15-65	1-7	0.80-1.50	0.6-6	0.15-0.22	0.0-2.9	8.0-20	.43	.49	1	3.6-5.5
	4-7	30-80	15-65	1-12	0.60-1.10	0.6-6	0.14-0.45	0.0-2.9	5.0-20	.64	.64		3.6-5.5
	7-16	30-80	15-65	1-10	0.70-1.10	0.6-6	0.10-0.35	0.0-2.9	5.0-20	.49	.64		3.6-5.5
	16-20	---	---	---	---	0.01-20	---	---	---	---	---		---
Glebe----------	0-8	30-80	15-65	1-7	0.80-1.00	2-6	0.15-0.19	0.0-2.9	8.0-20	.43	.55	2	3.6-5.5
	8-25	40-80	15-50	1-12	0.60-1.00	2-6	0.35-0.45	0.0-2.9	5.0-20	.64	.64		3.6-5.5
	25-29	---	---	---	---	0.01-20	---	---	---	---	---		---
16B,16C,16D,16E:													
Adams----------	0-2	70-90	5-30	0-5	1.00-1.30	6-20	0.06-0.12	0.0-2.9	2.0-5.0	.17	.17	5	3.6-6.0
	2-10	75-100	0-25	2-15	1.00-1.30	2-6	0.08-0.16	0.0-2.9	1.0-3.0	.17	.17		3.6-6.0
	10-21	75-100	0-25	0-5	1.10-1.45	6-20	0.03-0.10	0.0-2.9	1.0-3.0	.17	.17		4.5-6.0
	21-60	85-100	0-15	0-5	1.20-1.50	20-100	0.03-0.04	0.0-2.9	0.0-0.5	.17	.17		4.5-6.5
17B,17C:													
Worden----------	0-2	30-80	15-65	3-10	0.70-1.00	0.6-2	0.15-0.25	0.0-2.9	4.0-8.0	.49	.49	2	3.6-6.0
	2-18	30-80	15-65	3-10	0.80-1.10	0.6-2	0.10-0.45	0.0-2.9	2.0-8.0	.64	.64		3.6-6.0
	18-50	30-80	15-65	3-10	1.80-2.00	0.06-0.6	0.08-0.18	0.0-2.9	0.5-2.0	.37	.37		5.1-6.5
	50-60	30-80	15-65	3-10	1.70-1.90	0.06-0.6	0.11-0.18	0.0-2.9	0.0-1.0	.28	.28		5.1-6.5
18B,18C,18D:													
Worden----------	0-2	30-80	15-65	3-12	0.70-1.00	0.6-2	0.12-0.22	0.0-2.9	4.0-8.0	.43	.49	2	3.6-6.0
	2-18	30-80	15-65	3-12	0.80-1.10	0.6-2	0.10-0.45	0.0-2.9	2.0-8.0	.64	.64		3.6-6.0
	18-50	30-80	15-65	3-12	1.80-2.00	0.06-0.6	0.08-0.18	0.0-2.9	0.5-2.0	.37	.43		5.1-6.5
	50-60	30-80	15-65	3-10	1.70-1.90	0.06-0.6	0.11-0.18	0.0-2.9	0.0-1.0	.28	.32		5.1-6.5
20B,20C,20D,20E:													
Tunbridge----------	0-2	40-80	15-50	5-9	0.80-1.20	0.6-6	0.11-0.21	0.0-2.9	2.0-8.0	.20	.24	2	3.6-6.0
	2-27	40-80	15-50	3-9	1.20-1.40	0.6-6	0.10-0.21	0.0-2.9	0.5-4.5	.20	.24		3.6-6.0
	27-31	---	---	---	---	0.01-20	---	---	---	---	---		---
Lyman----------	0-5	30-80	15-65	2-10	0.75-1.20	2-6	0.13-0.24	0.0-2.9	2.0-8.0	.20	.28	1	3.6-6.0
	5-15	40-80	15-50	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	2.0-8.0	.32	.37		3.6-6.0
	15-19	---	---	---	---	0.01-20	---	---	---	---	---		---
21B,21C,21D:													
Marlow----------	0-9	30-80	15-65	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3.6-6.0
	9-30	40-80	15-50	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	0.5-4.5	.32	.37		3.6-6.0
	30-60	40-80	15-50	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	0.0-1.0	.20	.24		3.6-6.0
22B,22C,22D,22E:													
Marlow----------	0-2	30-80	15-65	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	2.0-6.0	.20	.24	3	3.6-6.0
	2-30	40-80	15-50	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	0.5-4.5	.32	.37		3.6-6.0
	30-60	40-80	15-50	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	0.0-1.0	.20	.24		3.6-6.0

Table 16.--Physical and Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
23:													
Ondawa----------	0-6	40-80	15-50	1-9	1.15-1.40	0.6-6	0.12-0.24	0.0-2.9	4.0-8.0	.24	.24	3	4.5-6.5
	6-26	40-80	15-50	1-9	1.15-1.45	0.6-6	0.12-0.22	0.0-2.9	1.0-5.0	.37	.37		4.5-6.5
	26-60	75-100	0-25	0-3	1.30-1.50	6-20	0.04-0.13	0.0-2.9	0.5-3.0	.20	.24		4.5-6.5
24:													
Podunk----------	0-8	40-80	15-50	1-15	1.15-1.40	0.6-6	0.12-0.24	0.0-2.9	4.0-8.0	.24	.24	3	4.5-6.5
	8-30	40-80	15-50	1-12	1.15-1.45	0.6-6	0.12-0.22	0.0-2.9	0.5-3.0	.37	.37		4.5-6.5
	30-60	75-100	0-25	0-6	1.30-1.50	6-20	0.04-0.13	0.0-2.9	0.0-2.0	.20	.24		4.5-6.5
25B,25C:													
Westbury----------	0-6	30-80	15-65	3-12	0.90-1.20	0.6-2	0.08-0.16	0.0-2.9	2.0-8.0	.32	.32	2	3.6-6.0
	6-15	30-80	15-65	3-12	1.40-1.70	0.6-2	0.07-0.15	0.0-2.9	1.0-3.0	.24	.28		3.6-6.0
	15-28	40-80	15-50	3-12	1.70-2.00	0.0000-0.2	0.02-0.06	0.0-2.9	0.0-1.0	.24	.28		4.5-6.0
	28-60	40-80	15-50	3-12	1.70-2.00	0.0000-0.2	0.02-0.16	0.0-2.9	0.0-1.0	.24	.28		5.1-7.3
26B,26C,26D:													
Westbury----------	0-6	30-80	15-65	3-12	0.90-1.20	0.6-2	0.08-0.16	0.0-2.9	2.0-8.0	.24	.37	2	3.6-6.0
	6-15	30-80	15-65	3-12	1.40-1.70	0.6-2	0.07-0.15	0.0-2.9	1.0-3.0	.24	.28		3.6-6.0
	15-28	40-80	15-50	3-12	1.70-2.00	0.0000-0.2	0.02-0.06	0.0-2.9	0.0-1.0	.24	.28		4.5-6.0
	28-60	40-80	15-50	3-12	1.70-2.00	0.0000-0.2	0.02-0.06	0.0-2.9	0.0-1.0	.24	.28		5.1-7.3
29:													
Walpole----------	0-3	40-80	15-50	2-6	1.00-1.25	2-6	0.10-0.18	0.0-2.9	2.0-8.0	.20	.20	3	4.5-7.3
	3-28	40-80	15-50	2-6	1.30-1.55	2-6	0.07-0.15	0.0-2.9	0.5-2.0	.24	.24		4.5-7.3
	28-60	75-100	0-25	0-2	1.40-1.65	6-20	0.01-0.10	0.0-2.9	0.0-0.5	.10	.15		4.5-7.3
31B:													
Wilmington----------	0-2	30-80	15-65	3-10	0.70-1.00	0.6-2	0.10-0.15	0.0-2.9	4.0-8.0	.43	.43	2	3.6-6.0
	2-19	30-80	15-65	3-10	0.80-1.10	0.6-2	0.13-0.45	0.0-2.9	2.0-8.0	.64	.64		3.6-6.0
	19-53	30-80	15-65	3-10	1.80-2.00	0.06-0.6	0.08-0.20	0.0-2.9	0.5-2.0	.37	.43		5.1-6.5
	53-60	30-80	15-65	3-10	1.70-1.90	0.06-0.6	0.11-0.20	0.0-2.9	0.0-1.0	.28	.32		5.1-6.5
33:													
Rumney----------	0-8	40-80	15-50	1-9	1.10-1.40	0.6-6	0.12-0.24	0.0-2.9	4.0-8.0	.24	.24	3	4.5-7.3
	8-33	40-80	15-50	1-9	1.15-1.45	0.6-6	0.12-0.22	0.0-2.9	0.0-2.0	.37	.37		4.5-7.3
	33-60	75-100	0-25	0-3	1.30-1.50	6-20	0.04-0.13	0.0-2.9	0.0-1.0	.20	.24		4.5-7.3
34C,34D,34E:													
Lyman----------	0-5	30-80	15-65	2-10	0.75-1.20	2-6	0.13-0.24	0.0-2.9	2.0-8.0	.20	.28	1	3.6-6.0
	5-15	40-80	15-50	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	2.0-8.0	.32	.37		3.6-6.0
	15-19	---	---	---	---	0.01-20	---	---	---	---	---		---
Rock Outcrop--------	0-60	---	---	---	---	0.01-20	0.00-0.00	---	---	---	---	--	---

Table 16.--Physical and Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
37:													
Hadley----------	0-7	0-60	30-90	4-10	1.20-1.50	0.6-2	0.15-0.25	0.0-2.9	2.0-5.0	.49	.49	5	4.5-7.3
	7-60	0-60	30-90	2-10	1.20-1.50	0.6-6	0.13-0.20	0.0-2.9	0.5-2.0	.49	.49		4.5-7.8
39:													
Winooski----------	0-7	0-60	30-90	5-18	1.15-1.35	0.6-6	0.15-0.23	0.0-2.9	2.0-5.0	.49	.49	5	4.5-7.3
	7-60	25-85	15-70	2-10	1.20-1.50	0.6-6	0.13-0.21	0.0-2.9	0.0-2.0	.49	.49		4.5-7.3
40:													
Limerick----------	0-6	0-60	30-90	4-10	1.10-1.50	0.6-2	0.18-0.30	0.0-2.9	2.0-5.0	.49	.49	5	5.1-7.3
	6-60	0-60	30-90	2-10	1.10-1.50	0.6-2	0.18-0.26	0.0-2.9	0.0-2.0	.49	.49		5.6-7.3
41D,41E:													
Londonderry---------	0-2	30-80	15-65	2-7	1.10-1.30	0.6-2	0.12-0.24	0.0-2.9	2.0-8.0	.43	.43	1	3.6-5.5
	2-5	30-80	15-65	2-7	1.10-1.30	0.6-2	0.14-0.22	0.0-2.9	0.5-2.0	.43	.43		3.6-5.5
	5-9	---	---	---	---	0.01-20	---	---	---	---	---		---
Stratton----------	0-4	30-80	15-65	1-7	0.80-1.50	0.6-6	0.18-0.25	0.0-2.9	8.0-20	.49	.49	1	3.6-5.5
	4-7	30-80	15-65	1-12	0.60-1.10	0.6-6	0.14-0.45	0.0-2.9	5.0-20	.64	.64		3.6-5.5
	7-16	30-80	15-65	1-10	0.70-1.10	0.6-6	0.10-0.35	0.0-2.9	5.0-20	.49	.64		3.6-5.5
	16-20	---	---	---	---	0.01-20	---	---	---	---	---		---
43B,43C,43D:													
Mundal----------	0-3	40-80	15-50	3-10	0.70-1.00	0.6-2	0.13-0.25	0.0-2.9	4.0-8.0	.49	.49	3	3.6-6.0
	3-25	40-80	15-50	3-10	0.80-1.10	0.6-2	0.13-0.45	0.0-2.9	2.0-6.0	.64	.64		3.6-6.0
	25-60	40-80	15-50	3-10	1.80-2.00	0.06-0.6	0.06-0.10	0.0-2.9	0.5-2.0	.37	.43		5.1-6.5
44B,44C,44D,44E:													
Mundal----------	0-3	40-80	15-50	3-10	0.70-1.00	0.6-2	0.10-0.22	0.0-2.9	4.0-8.0	.43	.49	3	3.6-6.0
	3-25	40-80	15-50	3-10	0.80-1.10	0.6-2	0.13-0.45	0.0-2.9	2.0-6.0	.64	.64		3.6-6.0
	25-60	40-80	15-50	3-10	1.80-2.00	0.06-0.6	0.06-0.10	0.0-2.9	0.5-2.0	.37	.43		5.1-6.5
46B,46C,46D,46E:													
Berkshire----------	0-2	40-80	15-50	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	3.6-6.0
	2-23	40-80	15-50	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	0.5-4.5	.32	.37		3.6-6.0
	23-60	40-80	15-50	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	0.0-1.0	.24	.28		3.6-6.0
Monadnock----------	0-2	40-80	15-50	1-8	0.80-1.20	0.6-2	0.10-0.20	0.0-2.9	3.0-8.0	.24	.28	3	3.6-6.0
	2-24	40-80	15-50	1-8	0.80-1.30	0.6-2	0.09-0.17	0.0-2.9	0.5-4.5	.28	.32		3.6-6.0
	24-60	70-90	0-30	1-5	1.30-1.60	2-6	0.04-0.08	0.0-2.9	0.0-1.0	.17	.24		3.6-6.0
47:													
Lupton----------	0-4	---	---	---	0.20-0.35	0.6-6	0.45-0.55	---	70-90	---	---	3	5.6-7.8
	4-60	---	---	---	0.10-0.35	0.2-6	0.35-0.45	---	70-90	---	---		5.6-7.8

Table 16.--Physical and Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
48B,48C,48D,48E:													
Rawsonville---------	0-1	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.22	0.0-2.9	4.0-8.0	.43	.49	2	3.6-5.5
	1-19	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.45	0.0-2.9	2.0-8.0	.64	.64		3.6-5.5
	19-28	30-80	15-65	3-10	0.80-1.10	0.6-6	0.07-0.17	0.0-2.9	2.0-6.0	.28	.32		3.6-5.5
	28-32	---	---	---	---	0.01-20	---	---	---	---	---		---
Hogback----------	0-2	40-80	15-50	3-12	0.60-1.00	0.6-6	0.13-0.22	0.0-2.9	4.0-8.0	.43	.49	1	3.6-5.5
	2-15	40-80	15-50	3-12	0.60-1.00	0.6-6	0.13-0.45	0.0-2.9	4.0-8.0	.64	.64		3.6-5.5
	15-19	---	---	---	---	0.01-20	---	---	---	---	---		---
49B,49C,49D,49E:													
Houghtonville-------	0-4	30-80	15-65	3-10	0.70-1.00	0.6-6	0.11-0.23	0.0-2.9	4.0-8.0	.43	.49	3	3.6-6.0
	4-23	30-80	15-65	3-10	0.80-1.10	0.6-6	0.13-0.45	0.0-2.9	2.0-6.0	.64	.64		3.6-6.0
	23-60	40-80	15-50	3-10	1.50-1.80	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.32		3.6-6.0
Rawsonville---------	0-1	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.22	0.0-2.9	4.0-8.0	.43	.49	2	3.6-5.5
	1-19	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.45	0.0-2.9	2.0-8.0	.64	.64		3.6-5.5
	19-28	30-80	15-65	3-10	0.80-1.10	0.6-6	0.07-0.17	0.0-2.9	2.0-6.0	.28	.32		3.6-5.5
	28-32	---	---	---	---	0.01-20	---	---	---	---	---		---
50B,50C,50D,50E:													
Colton----------	0-4	60-85	5-50	1-8	1.10-1.40	6-20	0.03-0.08	0.0-2.9	2.0-6.0	.17	.17	5	3.6-6.0
	4-31	75-100	0-25	0-5	1.25-1.55	6-20	0.02-0.05	0.0-2.9	0.5-2.0	.15	.17		3.6-6.0
	31-60	85-100	0-15	0-3	1.45-1.65	20-100	0.01-0.02	0.0-2.9	0.0-0.5	.10	.17		4.5-6.5
52A,52B:													
Sheepscot----------	0-6	40-80	15-50	3-5	1.00-1.30	0.6-6	0.11-0.21	0.0-2.9	2.0-6.0	.17	.17	2	3.6-6.5
	6-16	40-80	15-50	1-5	1.20-1.50	0.6-6	0.06-0.15	0.0-2.9	0.5-1.0	.10	.15		3.6-6.5
	16-36	75-100	0-25	0-3	1.45-1.70	6-20	0.02-0.09	0.0-2.9	0.5-1.0	.10	.20		3.6-6.5
	36-60	75-100	0-25	0-3	1.45-1.70	6-20	0.01-0.06	0.0-2.9	0.0-0.5	.05	.17		4.5-6.5
56B,56C,56D,56E:													
Monadnock----------	0-2	40-80	15-50	1-8	0.80-1.20	0.6-2	0.10-0.20	0.0-2.9	3.0-8.0	.24	.28	3	3.6-6.0
	2-24	40-80	15-50	1-8	0.80-1.30	0.6-2	0.09-0.17	0.0-2.9	0.5-4.5	.28	.32		3.6-6.0
	24-60	70-90	0-30	1-5	1.30-1.60	2-6	0.04-0.08	0.0-2.9	0.0-1.0	.17	.24		3.6-6.0
60B,60C,60D:													
Houghtonville-------	0-8	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.25	0.0-2.9	4.0-8.0	.49	.49	3	3.6-6.0
	8-23	30-80	15-65	3-10	0.80-1.10	0.6-6	0.13-0.45	0.0-2.9	2.0-6.0	.64	.64		3.6-6.0
	23-60	40-80	15-50	3-10	1.50-1.80	0.6-6	0.10-0.15	0.0-2.9	0.5-2.0	.28	.32		3.6-6.0
61B,61C,61D,61E:													
Houghtonville-------	0-4	30-80	15-65	3-10	0.70-1.00	0.6-6	0.10-0.22	0.0-2.9	4.0-8.0	.43	.49	3	3.6-6.0
	4-32	30-80	15-65	3-10	0.80-1.10	0.6-6	0.13-0.45	0.0-2.9	2.0-6.0	.64	.64		3.6-6.0
	32-60	40-80	15-50	3-10	1.50-1.80	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.32		3.6-6.0

Table 16.--Physical and Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
62:													
Markey----------	0-34	---	---	---	0.15-0.45	0.2-6	0.35-0.45	---	55-85	---	---	2	5.6-7.8
	34-60	75-100	0-25	0-10	1.40-1.65	6-20	0.03-0.08	0.0-2.9	0.0-0.5	.10	.15		5.6-8.4
63C,63D,63E:													
Berkshire----------	0-2	40-80	15-50	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	3.6-6.0
	2-23	40-80	15-50	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	0.5-4.5	.32	.37		3.6-6.0
	23-60	40-80	15-50	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	0.0-1.0	.24	.28		3.6-6.0
Tunbridge----------	0-2	40-80	15-50	5-9	0.80-1.20	0.6-6	0.11-0.21	0.0-2.9	2.0-8.0	.20	.24	2	3.6-6.0
	2-27	40-80	15-50	3-9	1.20-1.40	0.6-6	0.10-0.21	0.0-2.9	0.5-4.5	.20	.24		3.6-6.0
	27-31	---	---	---	---	0.01-20	---	---	---	---	---		---
64:													
Udifluvents---------	0-6	---	---	---	---	---	---	---	---	---	---	--	---
	6-60	---	---	---	---	---	---	---	---	---	---		---
65C,65D,65E:													
Hogback----------	0-2	40-80	15-50	3-12	0.60-1.00	0.6-6	0.13-0.22	0.0-2.9	4.0-8.0	.43	.49	1	3.6-5.5
	2-15	40-80	15-50	3-12	0.60-1.00	0.6-6	0.13-0.45	0.0-2.9	4.0-8.0	.64	.64		3.6-5.5
	15-19	---	---	---	---	0.01-20	---	---	---	---	---		---
Rawsonville---------	0-1	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.22	0.0-2.9	4.0-8.0	.43	.49	2	3.6-5.5
	1-19	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.45	0.0-2.9	2.0-8.0	.64	.64		3.6-5.5
	19-28	30-80	15-65	3-10	0.80-1.10	0.6-6	0.07-0.17	0.0-2.9	2.0-6.0	.28	.32		3.6-5.5
	28-32	---	---	---	---	0.01-20	---	---	---	---	---		---
66B,66C:													
Houghtonville-------	0-8	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.25	0.0-2.9	4.0-8.0	.49	.49	3	3.6-6.0
	8-23	30-80	15-65	3-10	0.80-1.10	0.6-6	0.13-0.45	0.0-2.9	2.0-6.0	.64	.64		3.6-6.0
	23-60	40-80	15-50	3-10	1.50-1.80	0.6-6	0.10-0.15	0.0-2.9	0.5-2.0	.28	.32		3.6-6.0
Rawsonville---------	0-1	30-80	15-65	3-10	0.70-1.00	0.6-6	0.16-0.25	0.0-2.9	4.0-8.0	.49	.49	2	3.6-5.5
	1-19	30-80	15-65	3-10	0.70-1.00	0.6-6	0.13-0.45	0.0-2.9	2.0-8.0	.64	.64		3.6-5.5
	19-28	30-80	15-65	3-10	0.80-1.10	0.6-6	0.07-0.17	0.0-2.9	2.0-6.0	.28	.32		3.6-5.5
	28-32	---	---	---	---	0.01-20	---	---	---	---	---		---
67B,67C:													
Berkshire----------	0-8	40-80	15-50	3-10	1.10-1.15	0.6-6	0.10-0.22	0.0-2.9	2.0-5.0	.24	.24	5	3.6-6.0
	8-23	40-80	15-50	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	0.5-4.5	.32	.37		3.6-6.0
	23-60	40-80	15-50	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	0.0-1.0	.24	.28		3.6-6.0
Tunbridge----------	0-8	40-80	15-50	5-9	0.80-1.20	0.6-6	0.14-0.23	0.0-2.9	2.0-8.0	.24	.24	2	3.6-6.0
	8-27	40-80	15-50	3-9	1.20-1.40	0.6-6	0.10-0.21	0.0-2.9	0.5-4.5	.20	.20		3.6-6.0
	27-31	---	---	---	---	0.01-20	---	---	---	---	---		---

Table 16.--Physical and Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
68D,68E:													
Taconic----------	0-2	25-50	30-65	10-27	1.10-1.40	0.6-6	0.10-0.17	0.0-2.9	2.0-6.0	.24	.37	1	4.5-5.5
	2-19	25-50	30-65	10-27	1.10-1.40	0.6-6	0.10-0.17	0.0-2.9	0.0-1.0	.24	.32		4.5-5.5
	19-23	---	---	---	---	0.01-20	---	---	---	---	---		---
Hubbardton----------	0-2	25-50	30-65	3-18	1.10-1.40	0.6-6	0.08-0.15	0.0-2.9	1.0-4.0	.24	.28	1	4.5-5.5
	2-6	25-50	30-65	3-18	1.10-1.40	0.6-6	0.07-0.12	0.0-2.9	0.0-1.0	.20	.28		4.5-5.5
	6-10	---	---	---	---	0.01-20	---	---	---	---	---		---
Rock Outcrop--------	0-60	---	---	---	---	0.01-20	0.00-0.00	---	---	---	---	--	---
69C,69D,69E:													
Macomber----------	0-2	25-50	30-65	10-27	1.10-1.40	0.6-2	0.09-0.15	0.0-2.9	2.0-6.0	.24	.32	2	4.5-5.5
	2-34	25-50	30-65	10-27	1.20-1.50	0.6-2	0.04-0.11	0.0-2.9	0.0-1.0	.24	.32		4.5-5.5
	34-38	---	---	---	---	0.01-20	---	---	---	---	---		---
Taconic----------	0-2	25-50	30-65	10-27	1.10-1.40	0.6-6	0.09-0.15	0.0-2.9	2.0-6.0	.24	.37	1	4.5-5.5
	2-19	25-50	30-65	10-27	1.20-1.50	0.6-6	0.04-0.11	0.0-2.9	0.0-1.0	.24	.32		4.5-5.5
	19-23	---	---	---	---	0.01-20	---	---	---	---	---		---
70C,70D,70E:													
Dummerston----------	0-3	30-80	15-65	2-10	1.00-1.20	0.6-2	0.11-0.24	0.0-2.9	2.0-4.0	.28	.32	5	4.5-6.0
	3-30	30-80	15-65	2-10	1.20-1.40	0.6-2	0.10-0.21	0.0-2.9	0.5-3.0	.28	.32		4.5-6.0
	30-60	30-80	15-65	2-10	1.40-1.60	0.6-2	0.09-0.20	0.0-2.9	0.0-1.0	.28	.32		4.5-6.0
Macomber----------	0-2	25-50	30-65	10-27	1.10-1.40	0.6-2	0.09-0.15	0.0-2.9	2.0-6.0	.24	.32	2	4.5-5.5
	2-34	25-50	30-65	10-27	1.20-1.50	0.6-2	0.04-0.11	0.0-2.9	0.0-1.0	.24	.32		4.5-5.5
	34-38	---	---	---	---	0.01-20	---	---	---	---	---		---
71B,71C,71D:													
Dummerston----------	0-9	30-80	15-65	2-10	1.00-1.20	0.6-2	0.11-0.24	0.0-2.9	2.0-4.0	.32	.32	5	4.5-6.0
	9-30	30-80	15-65	2-10	1.20-1.40	0.6-2	0.10-0.21	0.0-2.9	0.5-3.0	.28	.28		4.5-6.0
	30-60	30-80	15-65	2-10	1.40-1.60	0.6-2	0.09-0.20	0.0-2.9	0.0-1.0	.28	.32		4.5-6.0
72C,72D,72E:													
Dummerston----------	0-3	30-80	15-65	2-10	1.00-1.20	0.6-2	0.11-0.24	0.0-2.9	2.0-4.0	.28	.32	5	4.5-6.0
	3-30	30-80	15-65	2-10	1.20-1.40	0.6-2	0.10-0.21	0.0-2.9	0.5-3.0	.28	.32		4.5-6.0
	30-60	30-80	15-65	2-10	1.40-1.60	0.6-2	0.09-0.20	0.0-2.9	0.0-1.0	.28	.32		4.5-6.0
73B,73C,73D:													
Fullam----------	0-6	30-80	15-65	2-10	1.00-1.20	0.6-2	0.14-0.24	0.0-2.9	2.0-4.0	.32	.32	3	4.5-6.0
	6-22	30-80	15-65	2-10	1.20-1.40	0.6-2	0.10-0.21	0.0-2.9	0.5-3.0	.37	.37		4.5-6.0
	22-60	30-80	15-65	2-10	1.80-2.00	0.06-0.2	0.08-0.12	0.0-2.9	0.0-1.0	.28	.32		4.5-6.0

Table 16.--Physical and Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Soil reaction pH
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
74B,74C,74D,74E:													
Fullam----------	0-2	30-80	15-65	2-10	1.00-1.20	0.6-2	0.11-0.21	0.0-2.9	2.0-4.0	.28	.32	3	4.5-6.0
	2-22	30-80	15-65	2-10	1.20-1.40	0.6-2	0.10-0.21	0.0-2.9	0.5-3.0	.37	.43		4.5-6.0
	22-60	30-80	15-65	2-10	1.80-2.00	0.06-0.2	0.07-0.12	0.0-2.9	0.0-1.0	.28	.32		4.5-6.0
75B:													
Brayton----------	0-4	30-80	15-65	4-10	1.00-1.30	0.6-2	0.18-0.28	0.0-2.9	4.0-8.0	.20	.28	2	3.6-6.0
	4-17	30-80	15-65	4-10	1.40-1.65	0.6-2	0.12-0.28	0.0-2.9	0.5-2.0	.32	.37		5.1-6.5
	17-60	30-80	15-65	4-10	1.70-2.00	0.06-0.6	0.01-0.06	0.0-2.9	0.0-0.5	.24	.28		5.6-7.3
76B:													
Dummerston----------	0-9	30-80	15-65	2-10	1.00-1.20	0.6-2	0.11-0.24	0.0-2.9	2.0-4.0	.32	.32	5	4.5-6.0
	9-30	30-80	15-65	2-10	1.20-1.40	0.6-2	0.10-0.21	0.0-2.9	0.5-3.0	.28	.28		4.5-6.0
	30-60	30-80	15-65	2-10	1.40-1.60	0.6-2	0.09-0.20	0.0-2.9	0.0-1.0	.28	.32		4.5-6.0
Macomber----------	0-9	25-50	30-65	10-27	1.10-1.40	0.6-2	0.15-0.20	0.0-2.9	2.0-6.0	.32	.32	2	4.5-5.5
	9-26	25-50	30-65	10-27	1.20-1.50	0.6-2	0.04-0.11	0.0-2.9	0.0-1.0	.24	.32		4.5-5.5
	26-30	---	---	---	---	0.01-20	---	---	---	---	---		---
76C:													
Dummerston----------	0-9	30-80	15-65	2-10	1.00-1.20	0.6-2	0.11-0.24	0.0-2.9	2.0-4.0	.32	.32	5	4.5-6.0
	9-30	30-80	15-65	2-10	1.20-1.40	0.6-2	0.10-0.21	0.0-2.9	0.5-3.0	.28	.28		4.5-6.0
	30-60	30-80	15-65	2-10	1.40-1.60	0.6-2	0.09-0.20	0.0-2.9	0.0-1.0	.28	.32		4.5-6.0
Macomber----------	0-6	25-50	30-65	10-27	1.10-1.40	0.6-2	0.15-0.20	0.0-2.9	2.0-6.0	.32	.32	2	4.5-5.5
	6-26	25-50	30-65	10-27	1.20-1.50	0.6-2	0.04-0.11	0.0-2.9	0.0-1.0	.24	.32		4.5-5.5
	26-30	---	---	---	---	0.01-20	---	---	---	---	---		---

Windham County, Vermont
Table 17A.--Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
1A,1B,1C,1D:									
UNADILLA	---	---	---	---	---	---	High	Low	Moderate
1E:									
UDORTHENTS	---	---	---	---	---	---	---	---	---
2A:									
BELGRADE	---	---	---	---	---	---	High	Moderate	Moderate
3B,3C,3D,3E:									
QUONSET	---	---	---	---	---	---	Low	Low	High
WARWICK	---	---	---	---	---	---	Low	Low	High
5B,5C,5D,5E:									
WINDSOR	---	---	---	---	---	---	Low	Low	High
9B:									
DEERFIELD	---	---	---	---	---	---	Moderate	Low	High
10A,10B:									
AGAWAM	---	---	---	---	---	---	Low	Low	High
11B,11C,11D:									
BERKSHIRE	---	---	---	---	---	---	Moderate	Low	High
MONADNOCK	---	---	---	---	---	---	Low	Low	High
12C,12D,12E:									
STRATTON	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	High	High
GLEBE	Bedrock (lithic)	20-40	---	Indurated	---	---	High	High	High
16B,16C,16D,16E:									
ADAMS	---	---	---	---	---	---	Low	Low	High
17B,17C,18B,18C,18D:									
WORDEN	Dense material	18-32	---	Noncemented	---	---	High	High	High
20B,20C,20D,20E:									
TUNBRIDGE	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	High	High
LYMAN	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	Low	High

Table 17A.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
21B,21C,21D, 22B,22C,22D,22E:									
MARLOW	Dense material	16-36	---	Noncemented	---	---	Moderate	Low	Moderate
23:									
ONDAWA	---	---	---	---	---	---	Moderate	Low	Moderate
24:									
PODUNK	---	---	---	---	---	---	High	Moderate	Moderate
25B,25C,26B,26C,26D:									
WESTBURY	Dense material	14-24	---	Noncemented	---	---	Moderate	Moderate	High
29:									
WALPOLE	---	---	---	---	---	---	High	Low	Moderate
31B:									
WILMINGTON	Dense material	12-24	---	Noncemented	---	---	High	High	High
33:									
RUMNEY	---	---	---	---	---	---	High	High	High
34C,34D,34E:									
LYMAN	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	Low	High
ROCK OUTCROP	Bedrock (lithic)	0-0	---	Indurated	---	---	None	---	---
37:									
HADLEY	---	---	---	---	---	---	High	Low	Moderate
39:									
WINOOSKI	---	---	---	---	---	---	High	Moderate	Moderate
40:									
LIMERICK	---	---	---	---	---	---	High	High	Low
41D,41E:									
LONDONDERRY	Bedrock (lithic)	1-10	---	Indurated	---	---	Moderate	High	High
STRATTON	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	High	High
43B,43C,43D, 44B,44C,44D,44E:									
MUNDAL	Dense material	20-30	---	Noncemented	---	---	Moderate	High	High

Table 17A.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
46B,46C,46D,46E:									
BERKSHIRE	---	---	---	---	---	---	Moderate	Low	High
MONADNOCK	---	---	---	---	---	---	Low	Low	High
47:									
LUPTON	---	---	---	---	6-18	50-55	High	High	Low
48B,48C,48D,48E:									
RAWSONVILLE	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	High	High
HOGBACK	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	High	High
49B,49C,49D,49E:									
HOUGHTONVILLE	---	---	---	---	---	---	Moderate	High	High
RAWSONVILLE	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	High	High
50B,50C,50D,50E:									
COLTON	---	---	---	---	---	---	Low	Low	High
52A,52B:									
SHEEPSCOT	---	---	---	---	---	---	Low	Low	High
56B,56C,56D,56E:									
MONADNOCK	---	---	---	---	---	---	Low	Low	High
60B,60C,60D, 61B,61C,61D,61E:									
HOUGHTONVILLE	---	---	---	---	---	---	Moderate	High	High
62:									
MARKEY	---	---	---	---	---	25-30	High	High	Low
63C,63D,63E:									
BERKSHIRE	---	---	---	---	---	---	Moderate	Low	High
TUNBRIDGE	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	High	High
64:									
UDIFLUVENTS	---	---	---	---	---	---	---	---	---
65C,65D,65E:									
HOGBACK	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	High	High
RAWSONVILLE	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	High	High

Table 17A.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
66B,66C:									
HOUGHTONVILLE	---	---	---	---	---	---	Moderate	High	High
RAWSONVILLE	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	High	High
67B,67C:									
BERKSHIRE	---	---	---	---	---	---	Moderate	Low	High
TUNBRIDGE	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	High	High
68D,68E:									
TACONIC	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	Low	High
HUBBARDTON	Bedrock (lithic)	2-10	---	Indurated	---	---	Moderate	Low	High
ROCK OUTCROP	Bedrock (lithic)	0-0	---	Indurated	---	---	None	---	---
69C,69D,69E:									
MACOMBER	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
TACONIC	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	Low	High
70C,70D,70E:									
DUMMERSTON	---	---	---	---	---	---	Moderate	Low	Moderate
MACOMBER	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
71B,71C,71D,72C,72D,72E:									
DUMMERSTON	---	---	---	---	---	---	Moderate	Low	Moderate
73B,73C,73D, 74B,74C,74D,74E:									
FULLAM	Dense material	18-30	---	Noncemented	---	---	Moderate	Moderate	High
75B:									
BRAYTON	Dense material	15-25	---	Noncemented	---	---	High	High	Moderate
76B,76C:									
DUMMERSTON	---	---	---	---	---	---	Moderate	Low	Moderate
MACOMBER	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High

Windham County, Vermont
Table 17B.--Water Features

(Depths of layers are in feet. See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Water table: Kind	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
1A,1B,1C,1D:										
Unadilla	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
1E:										
Udorthents	---	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
2A:										
Belgrade	B	Jan-Apr	1.5-3.5	>6.0	Apparent	---	---	None	---	None
		May-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	1.5-3.5	>6.0	Apparent	---	---	None	---	None
3B,3C,3D,3E:										
Quonset	A	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Warwick	A	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
5B,5C,5D,5E:										
Windsor	A	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
9B:										
Deerfield	B	Jan-Apr	1.5-3.0	>6.0	Apparent	---	---	None	---	None
		May-Nov	>6.0	>6.0	---	---	---	None	---	None
		Dec	1.5-3.0	>6.0	Apparent	---	---	None	---	None
10A,10B:										
Agawam	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
11B,11C,11D:										
Berkshire	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Monadnock	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
12C,12D,12E:										
Stratton	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Glebe	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
16B,16C,16D,16E:										
Adams	A	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None

Table 17B.--Water Features

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Water table: Kind	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
17B,17C,										
18B,18C,18D:										
Worden----------	C	Jan-May	1.0-1.5	1.5-2.5	Perched	---	---	None	---	None
		Jun-Aug	>6.0	>6.0	---	---	---	None	---	None
		Sep-Dec	1.0-1.5	1.5-2.5	Perched	---	---	None	---	None
20B,20C,20D,20E:										
Tunbridge-------	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Lyman----------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
21B,21C,21D,										
22B,22C,22D,22E:										
Marlow----------	C	Jan-Feb	>6.0	>6.0	---	---	---	None	---	None
		Mar-Apr	2.0-3.5	2.5-4.0	Perched	---	---	None	---	None
		May-Dec	>6.0	>6.0	---	---	---	None	---	None
23:										
Ondawa----------	B	Jan-Apr	>6.0	>6.0	---	---	---	None	Brief	Frequent
		May-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	>6.0	>6.0	---	---	---	None	Brief	Frequent
24:										
Podunk----------	B	Jan-Apr	1.5-3.0	>6.0	Apparent	---	---	None	Brief	Frequent
		May	1.5-3.0	>6.0	Apparent	---	---	None	---	None
		Jun-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	1.5-3.0	>6.0	Apparent	---	---	None	Brief	Frequent
25B,25C,										
26B,26C,26D:										
Westbury--------	C	Jan-Apr	0.5-1.5	3.3-5.0	Perched	---	---	None	---	None
		May-Dec	>6.0	>6.0	---	---	---	None	---	None
29:										
Walpole---------	C	Jan-May	0.0-1.0	>6.0	Apparent	---	---	None	---	None
		Jun-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	0.0-1.0	>6.0	Apparent	---	---	None	---	None
31B:										
Wilmington------	D	Jan-May	0.0-1.5	>6.0	Apparent	---	---	None	---	None
		Jun-Sep	1.5-3.0	>6.0	Apparent	---	---	None	---	None
		Oct-Dec	0.0-1.5	>6.0	Apparent	---	---	None	---	None

Table 17B.--Water Features

Map symbol and soil name	Hydro-logic group	Month	Water table: Upper limit	Water table: Lower limit	Water table: Kind	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
33:										
Rumney----------	C	Jan-May	0.0-1.5	>6.0	Apparent	---	---	None	Brief	Frequent
		Jun-Sep	>6.0	>6.0	---	---	---	None	---	None
		Oct	>6.0	>6.0	---	---	---	None	Brief	Frequent
		Nov-Dec	0.0-1.5	>6.0	Apparent	---	---	None	Brief	Frequent
34C,34D,34E:										
Lyman----------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Rock Outcrop----	D	Jan-Dec	>6.0	>6.0	---	---	---	---	---	None
37:										
Hadley----------	B	Jan	4.0-6.0	>6.0	Apparent	---	---	None	---	None
		Feb-Apr	4.0-6.0	>6.0	Apparent	---	---	None	Brief	Frequent
		May-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	4.0-6.0	>6.0	Apparent	---	---	None	---	None
39:										
Winooski--------	B	Jan	1.5-3.0	>6.0	Apparent	---	---	None	---	None
		Feb-Apr	1.5-3.0	>6.0	Apparent	---	---	None	Brief	Frequent
		May-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	1.5-3.0	>6.0	Apparent	---	---	None	---	None
40:										
Limerick--------	C	Jan-May	0.0-1.5	>6.0	Apparent	---	---	None	Brief	Frequent
		Jun-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	0.0-1.5	>6.0	Apparent	---	---	None	Brief	Frequent
41D,41E:										
Londonderry-----	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Stratton--------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
43B,43C,43D										
44B,44C,44D,44E:										
Mundal----------	C	Jan-May	1.5-2.5	2.0-3.0	Perched	---	---	None	---	None
		Jun-Aug	>6.0	>6.0	---	---	---	None	---	None
		Sep-Dec	1.5-2.5	2.0-3.0	Perched	---	---	None	---	None
46B,46C,46D,46E:										
Berkshire-------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Monadnock-------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None

Table 17B.--Water Features

Map symbol and soil name	Hydrologic group	Month	Water table: Upper limit	Water table: Lower limit	Water table: Kind	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
47:										
Lupton----------	D	Jan-May	0.0-0.5	>6.0	Apparent	0.0-1.0	Very long	Frequent	---	None
		Jun-Aug	0.0-0.5	>6.0	Apparent	---	---	None	---	None
		Sep-Dec	0.0-0.5	>6.0	Apparent	0.0-1.0	Very long	Frequent	---	None
48B,48C,48D,48E:										
Rawsonville-----	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Hogback---------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
49B,49C,49D,49E:										
Houghtonville---	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Rawsonville-----	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
50B,50C,50D,50E:										
Colton----------	A	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
52A,52B:										
Sheepscot-------	B	Jan-May	1.5-2.5	>6.0	Apparent	---	---	None	---	None
		Jun-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	1.5-2.5	>6.0	Apparent	---	---	None	---	None
56B,56C,56D,56E:										
Monadnock-------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
60B,60C,60D										
61B,61C,61D,61E:										
Houghtonville---	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
62:										
Markey----------	D	Jan-Jun	0.0-0.5	>6.0	Apparent	0.0-1.0	Very long	Frequent	---	None
		Jul-Oct	0.0-0.5	>6.0	Apparent	---	---	None	---	None
		Nov-Dec	0.0-0.5	>6.0	Apparent	0.0-1.0	Very long	Frequent	---	None
63C,63D,63E:										
Berkshire-------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Tunbridge-------	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
64:										
Udifluvents-----	---	Jan-Dec	2.0-6.0	>6.0	Apparent	---	---	None	Brief	Occasional
65C,65D,65E:										
Hogback---------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None

Table 17B.--Water Features

Map symbol and soil name	Hydro-logic group	Month	Water table: Upper limit	Water table: Lower limit	Water table: Kind	Ponding: Surface water depth	Ponding: Duration	Ponding: Frequency	Flooding: Duration	Flooding: Frequency
Rawsonville-----	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
66B,66C:										
Houghtonville---	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Rawsonville-----	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
67B,67C:										
Berkshire-------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Tunbridge-------	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
68D,68E:										
Taconic---------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Hubbardton------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Rock Outcrop----	D	Jan-Dec	>6.0	>6.0	---	---	---	---	---	None
69C,69D,69E:										
Macomber--------	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Taconic---------	D	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
70C,70D,70E:										
Dummerston------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Macomber--------	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
71B,71C,71D										
72C,72D,72E:										
Dummerston------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
73B,73C,73D										
74B,74C,74D,74E:										
Fullam----------	C	Jan-Apr	1.5-2.5	2.0-3.0	Perched	---	---	None	---	None
		May-Oct	>6.0	>6.0	---	---	---	None	---	None
		Nov-Dec	1.5-2.5	2.0-3.0	Perched	---	---	None	---	None
75B:										
Brayton---------	D	Jan-May	0.0-1.5	>6.0	Apparent	---	---	None	---	None
		Jun-Sep	1.5-3.0	>6.0	Apparent	---	---	None	---	None
		Oct-Dec	0.0-1.5	>6.0	Apparent	---	---	None	---	None
76B,76C:										
Dummerston------	B	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None
Macomber--------	C	Jan-Dec	>6.0	>6.0	---	---	---	None	---	None