

**19D: Vershire-Dummerston complex, 15 to 25 percent slopes, rocky**

The Vershire, rocky component makes up 60 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is low. This component is on moderately steep hills on glaciated uplands. The parent material consists of loamy till. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

The Dummerston, rocky component makes up 25 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. This component is on moderately steep hills on glaciated uplands. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL

Land capability: 4 e

Vermont Agricultural Value Group: 8

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ild

This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to bedrock and slopes greater than 20 percent in some areas are the primary concerns. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	Kw	Kf	T
Vershire, rocky	0-5	FSL	4-18	4.5 - 6.5	0.6-2	1.0-4.0	.20	.20	2
	5-26	CN-FSL	4-18	4.5 - 6.5	0.6-2	0.5-3.0	.17	.28	
	26-36	UWB	---	---	0.01-20	---	---	---	
Dummerston, rocky	0-5	FSL	2-10	4.5 - 6.0	0.6-2	2.0-4.0	.32	.32	5
	5-21	FSL	2-10	4.5 - 6.0	0.6-2	0.5-3.0	.43	.43	
	21-65	FSL	2-10	4.5 - 6.0	0.6-2	0.0-1.0	.49	.49	

WATER FEATURES						SOIL FEATURES		
Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding		Ponding		Hydric soil?	Depth to bedrock (range in inches)
			Frequency	Duration	Frequency	Duration		
Vershire, rocky	C	---	None		None		No	20-40
Dummerston, rocky	B	---	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Vershire, rocky	Dwellings with basements:	Very limited	Slope	Grass-legume hay	3 Tons
Dummerston, rocky	Dwellings with basements:	Very limited	Slope	Grass-clover	4.8 AUM
Vershire, rocky	Pond reservoir areas:	Very limited	Slope	Grass hay	3 Tons
Dummerston, rocky	Pond reservoir areas:	Very limited	Slope	Corn silage	12 Tons
				Alfalfa hay	3.5 Tons
				Grass-legume hay	3 Tons
				Grass-clover	4.8 AUM
				Grass hay	3 Tons
				Corn silage	16 Tons
				Alfalfa hay	3.5 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Vershire	Harvest equip operability:	Moderately suited	Slope	Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest,

## Soil Fact Sheet - Continued

Windsor County, Vermont

Dummerston	Harvest equip operability:	Moderately suited	Slope	Rich Northern Hardwood Forest, Hemlock Forest, Temperate Acidic Outcrop, Temperate Acidic Cliff, Temperate Calcareous Outcrop, Temperate Calcareous Cliff
Vershire	Road suitability:	Poorly suited	Slope	
Dummerston	Road suitability:	Poorly suited	Slope	
Vershire	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Dummerston	Erosion hazard (off-road):	Moderate	Slope/erodibility	