

**19B: Vershire-Dummerston complex, 3 to 8 percent slopes, rocky**

The Vershire, rocky component makes up 65 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 gently sloping 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 gently sloping 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: Prime

Land capability: 2 e

Vermont Agricultural Value Group: 3

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ilc

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 in some areas is the primary concern. 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.

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	Depth to hard bedrock	Grass-legume hay	3.5 Tons
Dummerston, rocky	Dwellings with basements:	Not limited		Grass-clover	5.6 AUM
Vershire, rocky	Pond reservoir areas:	Somewhat limited	Depth to bedrock	Grass hay	3.5 Tons
Dummerston, rocky	Pond reservoir areas:	Somewhat limited	Seepage	Corn silage	17 Tons
				Alfalfa hay	4 Tons
				Grass-legume hay	3.5 Tons
				Grass-clover	5.6 AUM
				Grass hay	3.5 Tons
				Corn silage	21 Tons
				Alfalfa hay	4.5 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Vershire	Harvest equip operability:	Well suited		Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Rich Northern Hardwood Forest, Hemlock Forest, Temperate Acidic Outcrop,
Dummerston	Harvest equip operability:	Well suited		
Vershire	Road suitability:	Well suited		
Dummerston	Road suitability:	Well suited		

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Vershire	Erosion hazard (off-road): Slight	Temperate Acidic Cliff,
Dummerston	Erosion hazard (off-road): Slight	Temperate Calcareous Outcrop,
		Temperate Calcareous Cliff