VgD: Vershire-Glover-Rock outcrop complex, 8 to 25 percent slopes

The Vershire component makes up 45 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 hills on glaciated uplands, ridges on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

The Glover component makes up 35 percent of the map unit. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is low. This component is on hills on glaciated uplands, ridges on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

Important farmland classification: NPSL	Land capability: 6 s	Vermont Agricultural Value Group: 10

Vermont Residential Onsite Waste Disposal Group and Subgroup: IId

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	0-6	L	4-18	4.5 - 6.5	0.6-20	1.0-4.0	.32	.32	2
	6-30	GR-L	4-18	4.5 - 6.5	0.6-2	0.5-3.0	.24	.43	
	30-40	UWB	---	---	0.01-20	---	---	---	
Glover	0-8	L	4-18	4.5 - 6.5	0.6-2	2.0-8.0	.37	.37	1
	8-17	L	4-18	4.5 - 6.5	0.6-2	0.5-3.0	.43	.43	
	17-19	L	4-18	4.5 - 6.5	0.6-2	0.5-3.0	.43	.43	
	19-29	UWB	---	---	0.01-20	---	---	---	

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	C	---	None		None		No	20-40
Glover	D	---	None		None		No	10-20

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Vershire	Dwellings with basements:	Very limited	Depth to hard bedrock	Pasture	2.8 AUM
Glover	Dwellings with basements:	Very limited	Depth to hard bedrock	Pasture	2.4 AUM
Vershire	Pond reservoir areas:	Very limited	Slope		
Glover	Pond reservoir areas:	Very limited	Slope		

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, Temperate Acidic Cliff, Temperate Calcareous Outcrop, Temperate Calcareous Cliff
Glover	Harvest equip operability:	Well suited		
Vershire	Road suitability:	Poorly suited	Slope	
Glover	Road suitability:	Poorly suited	Slope	
Vershire	Erosion hazard (off-road):	Moderate	Slope/erodibility	

Glover	Erosion hazard (off-road):	Moderate	Slope/erodibility