

**3C: Vershire-Lombard complex, 8 to 15 percent slopes, rocky**

The Vershire, rocky component makes up 50 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. The parent material consists of loamy till. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

The Lombard, rocky component makes up 35 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 hills. The parent material consists of loamy till over saprolite. Depth to a root restrictive layer, bedrock, lithic, is 60 to 72 inches.

**Important farmland classification:** Statewide

**Land capability:** 3 e

**Vermont Agricultural Value Group:** 7

**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	0-8	VFSL	2-15	4.5 - 6.5	0.6-2	2.0-8.0	.43	.43	2
	8-19	VFSL	1-12	4.5 - 6.5	0.6-2	0.5-3.5	.64	.64	
	19-22	VFSL	1-10	4.5 - 7.3	0.6-2	0.5-2.0	.64	.64	
	22-32	UWB	---	---	0.01-20	---	---	---	
Lombard, rocky	0-8	VFSL	2-15	5.6 - 7.3	0.6-2	2.0-8.0	.37	.37	5
	8-31	VFSL	1-12	5.6 - 7.3	0.6-2	0.5-3.0	.55	.55	
	31-61	FSL	1-15	6.6 - 7.3	2-6	0.0-0.5	.43	.43	
	61-71	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, rocky	C	---	None		None		No	20-40
Lombard, rocky	B	---	None		None		No	60-72

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	Pasture	10.5 AUM
Lombard, rocky	Dwellings with basements:	Somewhat limited	Slope	Grass-legume hay	4 Tons
Vershire, rocky	Pond reservoir areas:	Very limited	Slope	Corn silage	18 Tons
Lombard, rocky	Pond reservoir areas:	Very limited	Seepage	Pasture	10.5 AUM
				Grass-legume hay	4 Tons
				Corn silage	18 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, Temperate Acidic Cliff, Temperate Calcareous Outcrop, Temperate Calcareous Cliff
Lombard	Harvest equip operability:	Well suited		
Vershire	Road suitability:	Moderately suited	Slope	
Lombard	Road suitability:	Moderately suited	Slope	
Vershire	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Lombard	Erosion hazard (off-road):	Moderate	Slope/erodibility	

