

702F: Killington-Ricker-Rock outcrop association, very steep, very stony

The Killington 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 mountains, glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

The Ricker component makes up 20 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 mountains on glaciated uplands. The parent material consists of organic material over coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 2 to 26 inches.

The Rock outcrop component makes up 10 percent of the map unit. Water movement in the most restrictive layer is low. This component is on mountains on glaciated uplands. Depth to a root restrictive layer 0 inches, bedrock, lithic,.

Important farmland classification: NPSL	Land capability: 7 s	Vermont Agricultural Value Group: 11
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IVb

This unit is generally not 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. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to 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
Killington	0-1	CBV-L	1-10	3.6 - 5.5	2-6	4.0-8.0	.10	.37	1
	1-17	STV-L	1-10	3.6 - 5.5	2-6	4.0-8.0	.10	.43	
	17-27	UWB	---	---	0.01-20	---	---	---	
Ricker	0-13	PEAT	3-18	3.2 - 5.7	2-6	25-100	---	---	1
	13-16	CBV-FSL	3-18	3.6 - 5.0	0.6-6	0.5-4.5	.10	.28	
	16-26	UWB	---	---	0.01-20	---	---	---	
Rock outcrop	0-60	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		
Killington	D	---	None		None		No	10-20
Ricker	D	---	None		None		No	2-26
Rock outcrop	---	---	None				Unranked	0

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Killington	Dwellings with basements:	Very limited	Slope		
Ricker	Dwellings with basements:	Very limited	Slope		
Killington	Pond reservoir areas:	Very limited	Slope		
Ricker	Pond reservoir areas:	Very limited	Slope		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Killington	Harvest equip operability:	Poorly suited	Slope	Montane Yellow Birch-Red Spruce Forest, Boreal Outcrop, Boreal Talus Woodland
Ricker	Harvest equip operability:	Poorly suited	Slope	
Killington	Road suitability:	Poorly suited	Slope	
Ricker	Road suitability:	Poorly suited	Slope	

Killington	Erosion hazard (off-road):	Very severe	Slope/erodibility
Ricker	Erosion hazard (off-road):	Very severe	Slope/erodibility