

SIE94: Ricker-Saddleback-Rock outcrop complex, 35 to 60 percent slopes, very stony

The Ricker, very stony component makes up 32 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. The parent material consists of organic material over loamy till. Depth to a root restrictive layer, bedrock, lithic, is 2 to 20 inches.

The Saddleback, very stony component makes up 23 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. The parent material consists of loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

The Rock outcrop component makes up 17 percent of the map unit. Water movement in the most restrictive layer is low. This component is on mountains. Depth to a root restrictive layer 0 inches, bedrock, lithic,.

Important farmland classification: NPSL	Land capability: 7 s	Vermont Agricultural Value Group: 11
---	----------------------	--------------------------------------

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
Ricker, very stony	0-6	MPM	---	3.5 - 5.5	2-6	35-100	---	---	1
	6-7	CN-VFSL	2-15	3.5 - 5.0	0.6-6	1.0-10	.37	.55	
	7-17	UWB	---	---	0.01-20	---	---	---	
Saddleback, very stony	0-1	MPM	---	3.5 - 5.5	2-6	35-100	---	---	1
	1-3	FSL	2-15	3.5 - 5.5	0.6-2	3.5-5.0	.43	.43	
	3-13	VFSL	1-12	3.5 - 5.5	0.6-2	2.0-12	.43	.43	
	13-23	UWB	---	---	0.01-20	---	---	---	
Rock outcrop	0-65	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		
Ricker, very stony	D	---	None		None		No	2-20
Saddleback, very stony	D	---	None		None		No	10-20
Rock outcrop	---	---	None				No	0

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

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Saddleback	Harvest equip operability:	Poorly suited	Slope	Montane Spruce-Fir Forest,
Ricker	Harvest equip operability:	Poorly suited	Slope	Boreal Outcrop,

Soil Fact Sheet - Continued

Essex County, Vermont

Saddleback	Road suitability:	Poorly suited	Slope	Boreal Talus Woodland, Boreal Acid Cliffs, Subalpine Krummholz, Alpine Meadow
Ricker	Road suitability:	Poorly suited	Slope	
Saddleback	Erosion hazard (off-road):	Very severe	Slope/erodibility	
Ricker	Erosion hazard (off-road):	Severe	Slope/erodibility	