

SIE92: Ricker-Londonderry complex, 8 to 15 percent slopes, very rocky

The Londonderry, very rocky component makes up 49 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 1 to 10 inches.

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Important farmland classification: NPSL

Land capability: 7 s

Vermont Agricultural Value Group: 11

Vermont Residential Onsite Waste Disposal Group and Subgroup: IVc

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. The very shallow to shallow depth to bedrock is the limiting condition.

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
Londonderry, very rocky	0-4	MPM	---	3.5 - 5.5	2-6	35-100	---	---	1
	4-8	CN-VFSL	2-15	3.5 - 5.5	0.6-2	2.0-10	.37	.55	
	8-18	UWB	---	---	0.01-20	---	---	---	
Ricker, very rocky	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	---	---	---	

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		
Londonderry, very rocky	D	---	None		None		No	1-10
Ricker, very rocky	D	---	None		None		No	2-20

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Londonderry, very rocky	Dwellings with basements:	Very limited	Depth to hard bedrock		
Ricker, very rocky	Dwellings with basements:	Very limited	Depth to hard bedrock		
Londonderry, very rocky	Pond reservoir areas:	Very limited	Slope		
Ricker, very rocky	Pond reservoir areas:	Very limited	Slope		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Londonderry	Harvest equip operability:	Moderately suited	0.1 to 3% surface cover fragments >=600mm (n bouldery)	Montane Spruce-Fir Forest, Boreal Outcrop, Subalpine Krummholz, Alpine Meadow
Ricker	Harvest equip operability:	Moderately suited	0.1 to 3% surface cover fragments >=600mm (n bouldery)	
Londonderry	Road suitability:	Moderately suited	Slope	
Ricker	Road suitability:	Moderately suited	Slope	
Londonderry	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Ricker	Erosion hazard (off-road):	Slight		

