122C: Lyme fine sandy loam, 8 to 15 percent slopes, very stony

The Lyme, very stony component makes up 80 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills on glaciated uplands, mountains on glaciated uplands. The parent material consists of loamy supraglacial meltout till derived from phyllite and/or granite and gneiss and/or mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches (depth from the mineral surface is 8 inches) during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 85 percent. Below this thin organic horizon the organic matter content is about 10 percent. Nonirrigated land capability classification is 6s. This soil meets hydric criteria.

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

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIId

This unit is marginally 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 the seasonal high water table is the major limitation. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level.

PHYSICAL and CHEMICAL PROPERTIES

Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS Kw	Kf	T
Lyme, very stony	0-1	MPM	---	3.5 - 5.0	1-14	35-95	---	---	5
	1-8	FSL	0-10	4.5 - 5.5	0.1-14	5.0-20	.37	.37	
	8-13	CB-SL	0-10	4.5 - 5.5	0.1-14	1.0-6.0	.17	.32	
	13-26	CB-SL	0-10	4.5 - 5.5	0.1-14	1.0-4.0	.20	.37	
	26-31	CB-SL	0-10	4.5 - 5.5	0.1-14	0.0-2.0	.20	.43	
	31-42	GR-SL	0-10	4.5 - 5.5	0.1-100	0.0-1.0	.24	.37	
	42-65	GR-SL	0-10	4.5 - 5.5	0.1-100	0.0-1.0	.24	.37	

WATER FEATURES **SOIL FEATURES**

Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding Frequency	Flooding Duration	Ponding Frequency	Ponding Duration	Hydric soil?	Depth to bedrock (range in inches)
Lyme, very stony	B/D	0.0-1.5	None		None		Yes	---

LAND USE LIMITATIONS

Soil name	Land use	Rating	Reason **
Lyme, very stony	Dwellings with basements:	Very limited	Depth to saturated zone
Lyme, very stony	Pond reservoir areas:	Very limited	Slope

AGRICULTURAL YIELD DATA

Crop name	Yield / acre
Pasture	2 AUM

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Lyme	Harvest equip operability:	Poorly suited	<30cm to water table fo	Spruce-Fir-Tamarack Swamp,Red Maple-Black Ash Swamp
Lyme	Road suitability:	Moderately suited	Slope	
Lyme	Erosion hazard (off-road):	Moderate	Slope/erodibility	