

LcA: Lyons very stony silt loam, 0 to 3 percent slopes

The Lyons component makes up 85 percent of the map unit. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is very low. This component is on depressions on glaciated uplands. The parent material consists of fine-loamy till. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL	Land capability: 7 s	Vermont Agricultural Value Group: 9
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IVa

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. Excessive soil wetness in association with the minimal slope is the limiting condition. Prolonged periods of saturation at or near the soil surface do not allow for the proper functioning of septic systems.

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
Lyons	0-9	SIL	15-30	5.6 - 7.3	0.2-2	1.0-4.0	.32	.32	5
	9-36	L	18-28	6.1 - 7.8	0.2-2	0.5-2.0	.32	.32	
	36-60	FSL	18-28	7.4 - 8.4	0-0.2	0.0-0.5	.28	.28	

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		
Lyons	C/D	0.0-0.5	None		Frequent	Long (7 to 30 days)	Yes	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Lyons	Dwellings with basements:	Very limited	Ponding		
Lyons	Pond reservoir areas:	Somewhat limited	Seepage		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Lyons	Harvest equip operability:	Poorly suited	<30cm to water table for >=6mos	Red Maple-Black Ash Swamp, Calcareous Red Maple-Tamarack Swamp
Lyons	Road suitability:	Poorly suited	Ponding	
Lyons	Erosion hazard (off-road):	Slight		