

## 131F. Lyman-Tunbridge-Rock outcrop complex, 35 to 60 percent slopes

The Lyman, very stony component makes up 50 percent of the map unit. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is low. This component is on mountains on glaciated uplands, hills on glaciated uplands. The parent material consists of loamy supraglacial till derived from granite and gneiss and/or loamy supraglacial till derived from phyllite and/or loamy supraglacial till derived from mica schist. Depth to a root restrictive layer, bedrock, lithic, is 11 to 24 inches.

The Tunbridge, very stony component makes up 26 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, hills on glaciated uplands. The parent material consists of loamy supraglacial till derived from granite and gneiss and/or loamy supraglacial till derived from phyllite and/or loamy supraglacial till derived from mica schist. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

The Rock outcrop component makes up 12 percent of the map unit. Water movement in the most restrictive layer is low. This component is on hills on glaciated uplands, mountains on glaciated uplands. The parent material consists of igneous and metamorphic rock. Depth to a root restrictive layer0 inches, bedrock, lithic..

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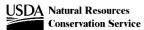
## Vermont Residential Onsite Waste Disposal Group and Subgroup: IVb

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							EDOCION FACTORS		
Soil name	Depth	Typical	Clay	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS		
Con Harrie	(In)	texture	(Pct)				Kw	Kf	Т
Lyman, very stony	0-1	MPM		3.5 - 5.5	1-14	35-95			1
	1-3	L	1-10	3.5 - 6.0	0.1-14	4.0-20	.32	.32	
	3-5	FSL	1-10	3.5 - 6.0	0.1-14	1.4-5.7	.37	.37	
	5-7	L	1-10	3.5 - 6.0	0.1-14	3.1-25	.32	.32	
	7-11	L	1-10	3.5 - 6.0	0.1-14	2.2-18	.32	.32	
	11-18	CN-L	1-10	3.5 - 6.0	0.1-14	2.2-7.0	.24	.32	
	18-28	BR			0.001-14				
Tunbridge, very stony	0-3	MPM		3.5 - 5.5	1-14	35-95			2
	3-5	HPM		3.5 - 5.5	1-14	35-95			
	5-8	FSL	1-10	3.5 - 6.0	0.1-14	1.4-5.7	.37	.37	
	8-11	FSL	1-10	3.5 - 6.0	0.1-14	3.1-25	.32	.32	
	11-26	FSL	1-10	3.5 - 6.0	0.1-14	2.2-18	.37	.37	
	26-28	FSL	1-10	5.1 - 6.5	0.1-14	1.0-4.2	.43	.43	
	28-38	BR			0.001-14				
Rock outcrop	0-10	BR			0.001-14				

WATER FEATURES					SOIL FEATURES			
	Hydrologic	Depth to seasonal	Floo	ding	Pon	ding	Hydric	_
Soil name	group	high water table (Feet)	Frequency	Duration	Frequency	Duration	soil?	Depth to bedrock (range in inches)
Lyman, very stony	D		None		None		No	11-24
Tunbridge, very stony	С		None		None		No	20-40
Rock outcrop			None		None		Unranked	0

Soil name Land use Rating Reason ** Crop name Yield / acre		LAND USE LIMITAT	<u>IONS</u>		AGRICULTURA	L YIELD DATA	
	Soil name	Land use	Rating	Reason **	Crop name	Yield / acre	



## **Soil Fact Sheet - Continued**

Rutland County, Vermont

Tunbridge, very stony Dwellings with basements: Very limited Slope
Lyman, very stony Pond reservoir areas: Very limited Slope
Tunbridge, very Pond reservoir areas: Very limited Slope stony

	Management		WOODLAND MANAGE	<u>EMENT</u>
Soil name	concern	Rating	Reason	Vermont natural communities
Lyman	Harvest equip operability:	Poorly suited	Slope	Hemlock-Northern Hardwood Forest,
Tunbridge	Harvest equip operability:	Poorly suited	Slope	Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest,
Lyman	Road suitability:	Poorly suited	Slope	Hemlock Forest,
Tunbridge	Road suitability:	Poorly suited	Slope	Red Pine Forest or Woodland
₋yman	Erosion hazard (off-road):	Very severe	Slope/erodibility	
Tunbridge	Erosion hazard (off-road):	Severe	Slope/erodibility	