

12E: Tunbridge-Lyman complex, 35 to 60 percent slopes, very rocky

The Tunbridge, very rocky component makes up 47 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 hills on glaciated uplands, mountains 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 Lyman, very rocky component makes up 37 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 hills on glaciated uplands, mountains 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.

Important farmland classification: NF	IPSL	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.

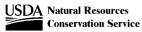
PHYSICAL and CHEMICAL PROPERTIES								EROSION FACTORS		
Soil name	Depth	Typical	Clay	Soil Permeability reaction (In/Hr)	Permeability	Organic matter (Pct)	<u> LKOSIONT ACTORS</u>			
	(In)	(In) texture	(Pct)		(117111)		Kw	Kf	Т	
Tunbridge, very rocky	0-3	MPM		3.5 - 5.5	1-14	35-95			2	
	3-5	HPM		3.5 - 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					
Lyman, very rocky	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					

	WATE	R FEATURES	SOIL	FEATURES

	Hydrologic	Depth to seasonal	Floo	ding	Pon	ding	Hydric		
Soil name	group	high water table (Feet)	Frequency	Duration	Frequency	Duration	soil?	Donth to hadraals	
Tunbridge, very rocky	С		None		None		No	20-40	
Lyman, very rocky	D		None		None		No	11-24	

	LAND USE LIMITAT	AGRICULTURA	L YIELD DATA		
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Tunbridge, very rocky	Dwellings with basements:	Very limited	Slope		
Lyman, very rocky	Dwellings with basements:	Very limited	Slope		
Tunbridge, very rocky	Pond reservoir areas:	Very limited	Slope		
Lyman, very rocky	Pond reservoir areas:	Very limited	Slope		

	Management		WOODLAND MANAGE	EMENT
Soil name	concern	Rating	Reason	Vermont natural communities



Soil Fact Sheet - Continued

Windsor County, Vermont

Tunbridge Slope Harvest equip operability: Poorly suited Northern Hardwood Forest, Hemlock-Northern Hardwood Forest, Slope Lyman Harvest equip operability: Poorly suited Mesic Red Oak-Northern Hardwood Forest, Tunbridge Slope Road suitability: Poorly suited Beech-Red Maple-Hemlock-Northern Hardwood Forest Variant, Lyman Slope Road suitability: Poorly suited Hemlock Forest Tunbridge Erosion hazard (off-road): Severe Slope/erodibility Lyman Erosion hazard (off-road): Very severe Slope/erodibility