72B: Tunbridge-Lyman complex, 0 to 8 percent slopes, very rocky

The Tunbridge, very rocky component makes up 44 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 Lyman, very rocky component makes up 41 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: NPSL	Land capability: 6 s	Vermont Agricultural Value Group: 9

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIc

This unit is moderately 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 bedrock in some areas is the primary concern. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock.

	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
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	---	---	---	

	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		
Tunbridge, very rocky	C	---	None		None		No	20-40
Lyman, very rocky	D	---	None		None		No	11-24

	LAND USE LIMITATIONS			AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Lyman, very rocky	Dwellings with basements:	Very limited	Depth to hard bedrock	Pasture	3.1 AUM
Tunbridge, very rocky	Dwellings with basements:	Very limited	Depth to hard bedrock		
Lyman, very rocky	Pond reservoir areas:	Very limited	Depth to bedrock		
Tunbridge, very rocky	Pond reservoir areas:	Somewhat limited	Depth to bedrock		

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Lyman	Harvest equip operability:	Moderately suited	0.1 to 3% surface cover fragments >=600mm (m bouldery)	Northern Hardwood Forest, Hemlock-Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Beech-Red Maple-Hemlock-Northern Hardwood Forest Variant, Hemlock Forest
Tunbridge	Harvest equip operability:	Moderately suited	0.1 to 3% surface cover fragments >=600mm (m bouldery)	
Lyman	Road suitability:	Moderately suited	Rock fragments	
Tunbridge	Road suitability:	Moderately suited	Rock fragments	
Lyman	Erosion hazard (off-road):	Slight		
Tunbridge	Erosion hazard (off-road):	Slight		