TwC: Tunbridge-Woodstock fine sandy loams, very rocky, 8 to 15 percent slopes

The Tunbridge component makes up 55 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 coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

The Woodstock component makes up 25 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 coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

Important farmland classification: NPSL	Land capability: 3 e	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	0-7	FSL	5-9	3.6 - 6.0	0.6-6	2.0-8.0	.24	.24	2
	7-18	L	3-9	3.6 - 6.0	0.6-6	0.5-4.5	.43	.43	
	18-25	L	3-9	5.1 - 6.5	0.6-6	0.0-1.0	.55	.55	
	25-35	UWB	---	---	0.01-20	---	---	---	
Woodstock	0-2	FSL	3-10	5.1 - 6.5	2-6	5.0-9.0	.32	.32	1
	2-9	GR-FSL	3-10	5.1 - 6.5	2-6	0.5-2.0	.20	.37	
	9-12	GR-FSL	1-5	5.6 - 6.5	6-20	0.0-1.0	.24	.43	
	12-22	UWB	---	---	0.01-20	---	---	---	

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	C	---	None		None		No	20-40
Woodstock	D	---	None		None		No	10-20

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Tunbridge	Dwellings with basements:	Very limited	Depth to hard bedrock	Grass-legume hay	3.5 Tons
Woodstock	Dwellings with basements:	Very limited	Depth to hard bedrock	Grass-clover	5.6 AUM
Tunbridge	Pond reservoir areas:	Very limited	Slope	Grass hay	3.5 Tons
Woodstock	Pond reservoir areas:	Very limited	Slope	Corn silage	18 Tons
				Alfalfa hay	4 Tons
				Corn silage	12 Tons
				Grass-legume hay	2 Tons
				Grass-clover	3.2 AUM
				Grass hay	1.5 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Tunbridge	Harvest equip operability:	Well suited		Northern Hardwood Forest, Hemlock-Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Beech-Red Maple-Hemlock-Northern Hardwood
Woodstock	Harvest equip operability:	Well suited		
Tunbridge	Road suitability:	Moderately suited	Slope	

Woodstock	Road suitability:	Moderately suited	Slope	Forest Variant, Hemlock Forest
Tunbridge	Erosion hazard (off-road):	Slight		
Woodstock	Erosion hazard (off-road):	Slight		