

**TWE: Tunbridge-Woodstock complex, 25 to 50 percent slopes**

The Tunbridge component makes up 45 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, ridges 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 45 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 ridges on glaciated uplands, hills 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:** 7 s

**Vermont Agricultural Value Group:** 11

**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 (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
	7-29	FSL	3-7	5.1 - 6.5	0.6-6	0.5-4.5	.28	.28	
	29-39	UWB	---	---	0.01-20	---	---	---	
Woodstock	0-6	FSL	3-10	5.1 - 6.5	2-6	5.0-9.0	.32	.32	1
	6-18	FSL	1-5	5.6 - 6.5	6-20	0.5-2.0	.49	.49	
	18-28	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES						SOIL FEATURES	
Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding		Ponding		Hydric soil?
			Frequency	Duration	Frequency	Duration	
Tunbridge	C	---	None		None		No
Woodstock	D	---	None		None		No

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Woodstock	Dwellings with basements:	Very limited	Slope		
Tunbridge	Dwellings with basements:	Very limited	Slope		
Woodstock	Pond reservoir areas:	Very limited	Slope		
Tunbridge	Pond reservoir areas:	Very limited	Slope		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Woodstock	Harvest equip operability:	Poorly suited	Slope	Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Rich Northern Hardwood Forest, Hemlock Forest, Temperate Acidic Outcrop, Temperate Acidic Cliff
Tunbridge	Harvest equip operability:	Poorly suited	Slope	
Woodstock	Road suitability:	Poorly suited	Slope	
Tunbridge	Road suitability:	Poorly suited	Slope	
Woodstock	Erosion hazard (off-road):	Severe	Slope/erodibility	
Tunbridge	Erosion hazard (off-road):	Severe	Slope/erodibility	