TwD: Tunbridge-Woodstock fine sandy loams, very rocky, 15 to 25 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, 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 35 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 coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

Important farmland classification: NPSL	Land capability: 4 e	Vermont Agricultural Value Group: 9

Vermont Residential Onsite Waste Disposal Group and Subgroup: IId

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 and slopes greater than 20 percent in some areas are the primary concerns. 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. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.

PHYSICAL and CHEMICAL PROPERTIES

Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS 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	0.0-0.5	.24	.43	
	12-22	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES **SOIL FEATURES**

Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding Frequency	Flooding Duration	Ponding Frequency	Ponding Duration	Hydric soil?	Depth to bedrock (range in inches)
Tunbridge	C	---	None		None		No	20-40
Woodstock	D	---	None		None		No	10-20

LAND USE LIMITATIONS

Soil name	Land use	Rating	Reason **
Tunbridge	Dwellings with basements:	Very limited	Slope
Woodstock	Dwellings with basements:	Very limited	Slope
Tunbridge	Pond reservoir areas:	Very limited	Slope
Woodstock	Pond reservoir areas:	Very limited	Slope

AGRICULTURAL YIELD DATA

Crop name	Yield / acre
Alfalfa hay	3.5 Tons
Corn silage	15 Tons
Grass hay	3 Tons
Grass-legume hay	3 Tons
Grass-clover	4.8 AUM

WOODLAND MANAGEMENT

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

Tunbridge	Erosion hazard (off-road):	Moderate	Slope/erodibility
Woodstock	Erosion hazard (off-road):	Moderate	Slope/erodibility