

63D: Tunbridge-Monadnock complex, 15 to 25 percent slopes, rocky

The Tunbridge component makes up 50 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, mountains. The parent material consists of loamy till. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

The Monadnock component makes up 30 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. This component is on hills, mountains. The parent material consists of sandy and gravelly ablation till. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL	Land capability: 4 e	Vermont Agricultural Value Group: 8
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Vermont Residential Onsite Waste Disposal Group and Subgroup: Ild

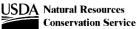
This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to bedrock and slopes greater than 20 percent in some areas 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								EROSION FACTORS	
Soil name	Depth T	Typical	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS		
Joli Hame	(In)	texture					Kw	Kf	Т
Tunbridge	0-8	FSL	1-15	4.5 - 6.0	0.6-6	2.0-8.0	.24	.24	2
	8-25	FSL	1-15	4.5 - 6.0	0.6-6	0.5-4.5	.43	.43	
	25-35	UWB			0.01-20				
Monadnock	0-8	FSL	1-15	4.5 - 6.0	0.6-2	3.0-8.0	.28	.28	4
	8-22	COSL, LFS, VFSL	1-15	4.5 - 6.0	0.6-2	0.5-4.5	.37	.37	
	22-65	GR-COS, GRV- LCOS	1-5	4.5 - 6.0	2-6	0.0-1.0	.05	.24	

WATER FEATURES								SOIL FEATURES		
Soil name	Hydrologic	Depth to seasonal	Flooding		Ponding		Hydric			
	group	high water table (Feet)	Frequency	Duration	Frequency	Duration	soil?	Depth to bedrock (range in inches)		
Tunbridge	С		None		None		No	20-40		
Monadnock	В		None		None		No			

LAND USE LIMITAT	AGRICULTURAL YIE	AGRICULTURAL YIELD DATA			
Land use	Rating	Reason **	Crop name	Yield / acre	
Dwellings with basements: Dwellings with basements: Pond reservoir areas: Pond reservoir areas:	Very limited Very limited Very limited Very limited	Slope Slope Slope Seepage	Grass-legume hay Corn silage Grass-clover Alfalfa hay Grass hay Grass-legume hay Grass-clover Grass hay Corn silage	3 Tons 15 Tons 4.8 AUM 3.5 Tons 3 Tons 3 Tons 4.7 AUM 2.5 Tons 14 Tons	
	Land use Dwellings with basements: Dwellings with basements: Pond reservoir areas:	Dwellings with basements: Very limited Dwellings with basements: Very limited Pond reservoir areas: Very limited	Land use Rating Reason ** Dwellings with basements: Very limited Slope Dwellings with basements: Very limited Slope Pond reservoir areas: Very limited Slope	Land use Rating Reason ** Crop name Dwellings with basements: Very limited Dwellings with basements: Very limited Pond reservoir areas: Very limited Slope Slope Slope Grass-legume hay Corn silage Grass-clover Alfalfa hay Grass hay Grass-legume hay Grass hay Grass-clover Grass hay	

	Management	W	OODLAND M	ANAGEMENT
Soil name	concern	Rating	Reason	Vermont natural communities
Tunbridge	Harvest equip operability:	Moderately suited	Slope	Northern Hardwood Forest,



Soil Fact Sheet - Continued

Caledonia County, Vermont

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