

5B: Windsor loamy sand, 0 to 8 percent slopes

The Windsor component makes up 85 percent of the map unit. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. This component is on nearly level to gently sloping outwash terraces on river valleys. The parent material consists of sandy glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide

Land capability: 2 s

Vermont Agricultural Value Group: 6

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ia

This unit is well 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 rapid permeability in the substratum is a concern. Backfilling absorption trenches with at least one foot of finer textured material or other site modifications may be necessary to slow the percolation rate enough to allow for thorough filtering of effluent.

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
Windsor	0-1	MPM	---	3.8 - 4.8	1-100	75-100	---	---	5
	1-3	LS	0-5	3.9 - 6.5	1-100	0.6-6.0	.15	.15	
	3-25	LS	0-8	4.5 - 6.5	1-100	0.1-2.0	.15	.15	
	25-65	S	0-8	4.7 - 6.9	1-100	0.0-0.5	.02	.02	

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		
Windsor	A	---	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Windsor	Dwellings with basements:	Not limited			

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Windsor	Harvest equip operability:	Moderately suited	Sandiness	White Pine-Red Oak-Black Oak Forest, White Pine-Northern Hardwood Forest Variant, Pine-Oak-Heath Sandplain Forest
Windsor	Road suitability:	Moderately suited	Sandiness	
Windsor	Erosion hazard (off-road):	Slight		