

31E: Paxton fine sandy loam, 25 to 35 percent slopes, very stony

The Paxton component makes up 80 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. This component is on ridges on glaciated uplands, hills on glaciated uplands. The parent material consists of coarse-loamy basal till. Depth to a root restrictive layer, densic material, is 20 to 38 inches.

Important farmland classification: NPSL	Land capability: 7 s	Vermont Agricultural Value Group: 11
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IVd

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 slowly permeable substratum is the limiting condition. Cut and fill site modifications that reduce the slope gradient are not generally effective due to the slowly permeable substratum.

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
Paxton	0-7	FSL	3-12	4.5 - 6.0	0.6-2	2.0-5.0	.24	.24	3
	7-26	FSL	3-12	4.5 - 6.0	0.6-2	0.5-3.0	.32	.32	
	26-60	FSL	3-12	4.5 - 6.0	0-0.2	0.5-3.0	.37	.37	

<u>WATER FEATURES</u>						<u>SOIL FEATURES</u>		
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		
Paxton	C	1.5-2.5	None		None		No	---

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

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Paxton	Harvest equip operability:	Moderately suited	Slope	Mesic Maple-Ash-Hickory-Oak Forest, Northern Hardwood Forest
Paxton	Road suitability:	Poorly suited	Slope	
Paxton	Erosion hazard (off-road):	Moderate	Slope/erodibility	