

55B: Nicholville silt loam, 3 to 8 percent slopes

The Nicholville component makes up 85 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. This component is on dissected lake plains, lake plains. The parent material consists of coarse-silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide	Land capability: 2 e	Vermont Agricultural Value Group: 4
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Vermont Residential Onsite Waste Disposal Group and Subgroup: 11h

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 the seasonal high water table is the primary concern. Mound system construction and other site modifications are often necessary. On sloping sites, curtain drains can help lower the water table to an acceptable level. In some cases, a detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit.

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
Nicholville	0-8	SIL	3-18	4.5 - 6.0	0.6-2	2.0-6.0	.37	.37	5
	8-14	SIL	3-18	4.5 - 6.0	0.6-2	0.5-3.0	.55	.55	
	14-65	SIL	3-18	4.5 - 6.0	0.6-2	0.0-1.0	.64	.64	

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		
Nicholville	B/D	1.5-2.0	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Nicholville	Dwellings with basements:	Very limited	Depth to saturated zone	Grass-legume hay	4 Tons
Nicholville	Pond reservoir areas:	Somewhat limited	Seepage	Corn silage	20 Tons
				Alfalfa hay	4.5 Tons
				Pasture	7.5 AUM

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Nicholville	Harvest equip operability:	Moderately suited	30-60cm to water table >=6mos	Northern Hardwood Forest, Red Spruce-Northern Hardwood Forest
Nicholville	Road suitability:	Moderately suited	Low strength	
Nicholville	Erosion hazard (off-road):	Slight		