

90C: Hartland silt loam, 8 to 15 percent slopes

The Hartland component makes up 80 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 terraces on 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: 3 e	Vermont Agricultural Value Group: 5
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IIa

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 slow permeability in the substratum is the primary concern. Mound system construction and other site modifications may be necessary.

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
Hartland	0-6	SIL	3-10	5.1 - 7.3	0.6-2	2.0-8.0	.43	.43	5
	6-17	SIL	3-10	5.1 - 7.3	0.6-2	0.5-3.0	.55	.55	
	17-60	SIL	3-16	5.1 - 7.3	0.2-2	0.5-3.0	.55	.55	

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		
Hartland	B	---	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Hartland	Dwellings with basements:	Somewhat limited	Slope	Alfalfa hay	4.5 Tons
Hartland	Pond reservoir areas:	Very limited	Slope	Corn silage	26 Tons
				Grass hay	4.5 Tons
				Grass-legume hay	4 Tons
				Grass-clover	6.4 AUM

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