

SdA: Swanton fine sandy loam, 0 to 3 percent slopes

The Swanton component makes up 85 percent of the map unit. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. This component is on terraces on lake plains. The parent material consists of coarse-loamy glaciolacustrine deposits over clayey glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Prime (b)	Land capability: 4 w	Vermont Agricultural Value Group: 3d
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IVa

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. Excessive soil wetness in association with the minimal slope is the limiting condition. Prolonged periods of saturation at or near the soil surface do not allow for the proper functioning of septic systems.

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
Swanton	0-7	FSL	5-12	5.1 - 7.3	2-6	4.0-8.0	.17	.17	4
	7-22	FSL	5-12	5.1 - 7.3	2-6	0.5-3.0	.32	.32	
	22-65	C	35-55	5.6 - 8.4	0-0.2	0.0-0.5	.24	.24	

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		
Swanton	C/D	0.0-1.5	None		None		Yes	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Swanton	Dwellings with basements:	Very limited	Depth to saturated zone	Pasture	5.7 AUM
Swanton	Pond reservoir areas:	Very limited	Seepage	Grass-legume hay	3 Tons
				Grass hay	3 Tons
				Corn silage	18 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Swanton	Harvest equip operability:	Poorly suited	<30cm to water table for >=6mos	Spruce-Fir-Tamarack Swamp, Red Maple-Black Ash Swamp
Swanton	Road suitability:	Poorly suited	Wetness	
Swanton	Erosion hazard (off-road):	Slight		