

**168D: Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky**

The Hogback component makes up 45 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is low. This component is on mountains on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

The Rawsonville component makes up 35 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is low. This component is on mountains on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

Important farmland classification: NPSL

Land capability: 7 s

Vermont Agricultural Value Group: 11

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIIa

This unit is marginally 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 bedrock is the major limitation. On-site investigations are needed to locate areas with sufficient soil depth. A significant percentage of the soils in this unit are less than 18 inches to bedrock and are not suitable as a site. However, there may be deeper areas that are suitable. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock.

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
Hogback	0-1	SPM	---	3.2 - 5.7	2-6	25-95	---	---	1
	1-4	FSL	3-12	3.6 - 5.5	2-6	4.0-8.0	.28	.28	
	4-15	FSL	3-12	3.6 - 5.5	2-6	4.0-8.0	.28	.28	
	15-25	UWB	---	---	0.01-20	---	---	---	
Rawsonville	0-2	MPM	---	3.2 - 5.7	2-6	25-95	---	---	2
	2-4	FSL	3-10	3.6 - 5.5	0.6-6	4.0-8.0	.24	.24	
	4-26	FSL	3-10	3.6 - 5.5	0.6-6	2.0-8.0	.24	.24	
	26-36	UWB	---	---	0.01-20	---	---	---	

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		
Hogback	D	---	None		None		No	10-20
Rawsonville	C	---	None		None		No	20-40

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

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Hogback	Harvest equip operability:	Moderately suited	Slope	Montane Yellow Birch-Red Spruce Forest, Boreal Outcrop, Boreal Talus Woodland
Rawsonville	Harvest equip operability:	Moderately suited	Slope	
Hogback	Road suitability:	Poorly suited	Slope	
Rawsonville	Road suitability:	Poorly suited	Slope	
Hogback	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Rawsonville	Erosion hazard (off-road):	Moderate	Slope/erodibility	

