128C: Rawsonville-Houghtonville complex, 8 to 15 percent slopes, rocky

The Rawsonville component makes up 55 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 hills on glaciated uplands, knolls on glaciated uplands, 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.

The Houghtonville component makes up 30 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 knolls on glaciated uplands, hills on glaciated uplands, mountains on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL	Land capability: 6 s	Vermont Agricultural Value Group: 10

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIc

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 bedrock in some areas is the primary concern. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. 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

Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS Kw	Kf	T
Rawsonville	0-3	GR-FSL	3-10	3.6 - 5.5	0.6-6	4.0-8.0	.10	.24	2
	3-23	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-8.0	.17	.28	
	23-30	GR-SL	3-10	3.6 - 5.5	0.6-6	2.0-6.0	.15	.32	
	30-40	UWB	---	---	0.01-20	---	---	---	
Houghtonville	0-2	GR-FSL	3-10	3.6 - 6.0	0.6-6	4.0-8.0	.10	.17	5
	2-29	GR-FSL	3-10	3.6 - 6.0	0.6-6	2.0-6.0	.17	.28	
	29-60	GR-FSL	3-10	3.6 - 6.0	0.6-6	0.5-2.0	.17	.32	

WATER FEATURES **SOIL FEATURES**

Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding Frequency	Flooding Duration	Ponding Frequency	Ponding Duration	Hydric soil?	Depth to bedrock (range in inches)
Rawsonville	C	---	None		None		No	20-40
Houghtonville	B	---	None		None		No	---

LAND USE LIMITATIONS

Soil name	Land use	Rating	Reason **
Rawsonville	Dwellings with basements:	Very limited	Depth to hard bedrock
Houghtonville	Dwellings with basements:	Somewhat limited	Slope
Rawsonville	Pond reservoir areas:	Very limited	Slope
Houghtonville	Pond reservoir areas:	Very limited	Slope

AGRICULTURAL YIELD DATA

Crop name	Yield / acre
Pasture	3 AUM
Pasture	3.6 AUM

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Rawsonville	Harvest equip operability:	Well suited		Montane Yellow Birch-Red Spruce Forest, Red Spruce-Northern Hardwood Forest, Northern Hardwood Forest
Houghtonville	Harvest equip operability:	Well suited		
Rawsonville	Road suitability:	Moderately suited	Slope	
Houghtonville	Road suitability:	Moderately suited	Slope	
Rawsonville	Erosion hazard (off-road):	Slight		
Houghtonville	Erosion hazard (off-road):	Slight		