

**70E: Dummerston-Macomber complex, 25 to 70 percent slopes very stony**

The Dummerston component makes up 45 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 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.

The Macomber 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 hills 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.

Important farmland classification: NPSL

Land capability: 7 s

Vermont Agricultural Value Group: 11

Vermont Residential Onsite Waste Disposal Group and Subgroup: IVb

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. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to 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
Dummerston	0-3	SIL	2-10	4.5 - 6.0	0.6-2	2.0-4.0	.43	.43	5
	3-30	CN-SIL	2-10	4.5 - 6.0	0.6-2	0.5-3.0	.24	.55	
	30-60	CN-L	2-10	4.5 - 6.0	0.6-2	0.0-1.0	.24	.49	
Macomber	0-2	CN-SIL	10-27	4.5 - 5.5	0.6-2	2.0-6.0	.20	.28	2
	2-34	CNV-SIL	10-27	4.5 - 5.5	0.6-2	0.0-1.0	.15	.49	
	34-44	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES						SOIL FEATURES	
Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding		Ponding		Hydric soil?
			Frequency	Duration	Frequency	Duration	
Dummerston	B	---	None		None		No
Macomber	C	---	None		None		No

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

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Macomber	Harvest equip operability:	Poorly suited	Slope	Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Mesic Maple-Ash-Hickory-Oak Forest, Rich Northern Hardwood Forest
Dummerston	Harvest equip operability:	Poorly suited	Slope	
Macomber	Road suitability:	Poorly suited	Slope	
Dummerston	Road suitability:	Poorly suited	Slope	
Macomber	Erosion hazard (off-road):	Severe	Slope/erodibility	
Dummerston	Erosion hazard (off-road):	Very severe	Slope/erodibility	