12F: Taconic-Hubbardton-Macomber complex, 25 to 80 percent slopes, very rocky

The Taconic component makes up 35 percent of the map unit. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is low. This component is on hills on glaciated uplands, ridges 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 Hubbardton component makes up 30 percent of the map unit. The natural drainage class is excessively drained. Water movement in the most restrictive layer is low. This component is on hills on glaciated uplands, ridges on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 2 to 10 inches.

The Macomber component makes up 25 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, ridges 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

Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS Kw	Kf	T
Taconic	0-3	CNV-SIL	10-27	4.5 - 6.0	0.6-6	2.0-6.0	.15	.37	1
	3-18	CNV-SIL	10-27	4.5 - 6.0	0.6-6	0.0-1.0	.17	.55	
	18-28	UWB	---	---	0.01-20	---	---	---	
Hubbardton	0-3	FLV-SIL	3-18	3.6 - 5.5	0.6-6	2.0-6.0	.15	.43	1
	3-5	FLV-SIL	3-18	3.6 - 5.5	0.6-6	0.0-1.0	.24	.64	
	5-15	UWB	---	---	0.01-20	---	---	---	
Macomber	0-5	CN-SIL	10-27	4.5 - 6.0	0.6-2	2.0-6.0	.17	.28	2
	5-36	CNV-SIL	10-27	4.5 - 6.0	0.6-2	0.0-1.0	.15	.43	
	36-46	UWB	---	---	0.01-20	---	---	---	

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)
Taconic	D	---	None		None		No	10-20
Hubbardton	D	---	None		None		No	2-10
Macomber	C	---	None		None		No	20-40

LAND USE LIMITATIONS **AGRICULTURAL YIELD DATA**

Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Taconic	Dwellings with basements:	Very limited	Slope		
Hubbardton	Dwellings with basements:	Very limited	Slope		
Macomber	Dwellings with basements:	Very limited	Slope		
Taconic	Pond reservoir areas:	Very limited	Slope		
Hubbardton	Pond reservoir areas:	Very limited	Slope		
Macomber	Pond reservoir areas:	Very limited	Slope		

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities

Taconic	Harvest equip operability:	Poorly suited	Slope	Dry Oak-Hickory-Hophornbeam Forest, Mesic Red Oak-Northern Hardwood Forest, Dry Oak Forest, Red Cedar Woodland, Mesic Maple-Ash-Hickory-Oak Forest, Temperate Acidic Outcrop, Temperate Acidic Cliff, Dry Oak Woodland
Hubbardton	Harvest equip operability:	Poorly suited	Slope	
Macomber	Harvest equip operability:	Poorly suited	Slope	
Taconic	Road suitability:	Poorly suited	Slope	
Hubbardton	Road suitability:	Poorly suited	Slope	
Macomber	Road suitability:	Poorly suited	Slope	
Taconic	Erosion hazard (off-road):	Very severe	Slope/erodibility	
Hubbardton	Erosion hazard (off-road):	Very severe	Slope/erodibility	
Macomber	Erosion hazard (off-road):	Very severe	Slope/erodibility	