

**81F: Taconic-Hubbardton-Rock outcrop complex, 25 to 70 percent slopes**

The Taconic component makes up 50 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 steep to very steep hills on glaciated uplands. The parent material consists of loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

The Hubbardton component makes up 20 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 steep to very steep hills on glaciated uplands. The parent material consists of loamy till. Depth to a root restrictive layer, bedrock, lithic, is 2 to 10 inches.

The Rock outcrop component makes up 15 percent of the map unit. Water movement in the most restrictive layer is low. This component is on steep to very steep hills. Depth to a root restrictive layer 0 inches, bedrock, lithic,.

Important farmland classification: NPSL	Land capability: 7 s	Vermont Agricultural Value Group: 11
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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
Taconic	0-3	MPM	---	3.2 - 5.7	2-6	25-100	---	---	1
	3-6	CN-SIL	10-27	4.5 - 5.5	0.6-6	2.0-6.0	.20	.37	
	6-15	CNV-SIL	10-27	4.5 - 5.5	0.6-6	0.0-1.0	.20	.49	
	15-25	UWB	---	---	0.01-20	---	---	---	
Hubbardton	0-3	MPM	---	3.2 - 5.7	2-6	25-100	---	---	1
	3-6	CNV-SIL	3-18	4.5 - 5.5	0.6-6	0.0-1.0	.20	.55	
	6-16	UWB	---	---	0.01-20	---	---	---	
Rock outcrop	0-65	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		
Taconic	D	---	None		None		No	10-20
Hubbardton	D	---	None		None		No	2-10
Rock outcrop	---	---	None		None		Unranked	0

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		
Taconic	Pond reservoir areas:	Very limited	Slope		
Hubbardton	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,
Hubbardton	Harvest equip operability:	Poorly suited	Slope	
Taconic	Road suitability:	Poorly suited	Slope	

Hubbardton	Road suitability:	Poorly suited	Slope	Mesic Maple-Ash-Hickory-Oak Forest,
Taconic	Erosion hazard (off-road):	Severe	Slope/erodibility	Temperate Acidic Outcrop,
Hubbardton	Erosion hazard (off-road):	Severe	Slope/erodibility	Temperate Acidic Cliff,
				Dry Oak Woodland