

**3B: Quonset and Warwick soils, 2 to 8 percent slopes**

The Quonset component makes up 55 percent of the map unit. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. This component is on terraces on river valleys. The parent material consists of sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

The Warwick component makes up 30 percent of the map unit. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. This component is on terraces on river valleys. The parent material consists of coarse-loamy glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide

Land capability: 3 s

Vermont Agricultural Value Group: 6

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ia

This unit is well 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 rapid permeability in the substratum is a concern. Backfilling absorption trenches with at least one foot of finer textured material or other site modifications may be necessary to slow the percolation rate enough to allow for thorough filtering of effluent.

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
Quonset	0-7	FSL	2-7	4.5 - 5.5	2-20	0.6-7.0	.24	.24	5
	7-20	GRV-LS	1-4	4.5 - 5.5	2-20	0.5-2.0	.05	.15	
	20-60	GRV-S	0-2	5.1 - 6.5	20-100	0.0-0.5	.02	.02	
Warwick	0-2	GRV-L	3-8	4.5 - 6.5	2-6	1.0-5.0	.15	.37	3
	2-24	GRV-L	3-8	4.5 - 6.0	2-6	0.5-2.0	.15	.37	
	24-60	GRV-LCOS	0-3	4.5 - 6.5	20-100	0.0-0.5	.05	.10	

WATER FEATURES						SOIL FEATURES	
Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding		Ponding		Hydric soil?
			Frequency	Duration	Frequency	Duration	
Quonset	A	---	None		None		No
Warwick	A	---	None		None		No

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Quonset	Dwellings with basements:	Not limited		Grass-legume hay	2 Tons
Warwick	Dwellings with basements:	Not limited		Grass-clover	3.6 AUM
Quonset	Pond reservoir areas:	Very limited	Seepage	Corn silage	12 Tons
Warwick	Pond reservoir areas:	Very limited	Seepage	Alfalfa hay	2.5 Tons
				Grass-legume hay	3.5 Tons
				Grass-clover	8.5 AUM
				Corn silage	22 Tons
				Alfalfa hay	4.5 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Quonset	Harvest equip operability:	Well suited		White Pine-Red Oak-Black Oak Forest, White Pine-Northern Hardwood Forest Variant
Warwick	Harvest equip operability:	Well suited		
Quonset	Road suitability:	Well suited		
Warwick	Road suitability:	Well suited		
Quonset	Erosion hazard (off-road):	Slight		
Warwick	Erosion hazard (off-road):	Slight		

