

**41C: Farmington-Galway-Galoo complex, 5 to 25 percent slopes, very rocky**

The Farmington component makes up 45 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 Galway 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.

The Galoo 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 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.

Important farmland classification: NPSL

Land capability: 6 e

Vermont Agricultural Value Group: 9

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIIa

This unit is marginally 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 is the major limitation. On-site investigations are needed to locate areas with sufficient soil depth. A significant percentage of the soils in this unit are less than 18 inches to bedrock and are not suitable as a site. However, there may be deeper areas that are suitable. 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							EROSION FACTORS		
Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	Kw	Kf	T
Farmington	0-3	SIL	10-27	5.1 - 7.3	0.6-2	2.0-6.0	.37	.37	1
	3-12	SIL	10-27	5.6 - 7.8	0.6-2	0.0-1.0	.55	.55	
	12-22	UWB	---	---	0.01-20	---	---	---	
Galway	0-3	SIL	7-18	5.6 - 7.3	0.6-2	2.0-6.0	.37	.37	2
	3-24	FSL	5-18	5.6 - 7.8	0.6-2	0.0-1.0	.32	.32	
	24-34	UWB	---	---	0.01-20	---	---	---	
Galoo	0-3	SIL	10-27	5.6 - 7.3	0.6-2	2.0-6.0	.37	.37	1
	3-13	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		
Farmington	D	---	None		None		No	10-20
Galway	C	---	None		None		No	20-40
Galoo	D	---	None		None		No	2-10

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Farmington	Dwellings with basements:	Very limited	Depth to hard bedrock	Pasture	2.8 AUM
Galway	Dwellings with basements:	Very limited	Depth to hard bedrock		
Galoo	Dwellings with basements:	Very limited	Depth to hard bedrock		
Farmington	Pond reservoir areas:	Very limited	Depth to bedrock		
Galway	Pond reservoir areas:	Very limited	Slope		
Galoo	Pond reservoir areas:	Very limited	Depth to bedrock		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities

## Soil Fact Sheet - Continued

Rutland County, Vermont

Farmington	Harvest equip operability:	Well suited		Mesic Maple-Ash-Hickory-Oak Forest, Transition Hardwoods Limestone Forest Variant, Limestone Bluff Cedar-Pine Forest, Temperate Calcareous Outcrop, Northern Hardwoods Limestone Forest Variant, Temperate Calcareous Cliff, Boreal Calcareous Cliff
Galway	Harvest equip operability:	Well suited		
Galoo	Harvest equip operability:	Well suited		
Farmington	Road suitability:	Poorly suited	Slope	
Galway	Road suitability:	Poorly suited	Slope	
Galoo	Road suitability:	Poorly suited	Slope	
Farmington	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Galway	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Galoo	Erosion hazard (off-road):	Moderate	Slope/erodibility	