

## 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
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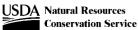
## Vermont Residential Onsite Waste Disposal Group and Subgroup: Illa

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								EDOSION FACTORS	
Soil name	Depth	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS		
	(In)						Kw	Kf	Т
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				

		WATE	R FEATURES				SOIL	. FEATURES
	Hydrologic	Depth to seasonal	Flooding		Ponding		Hydric	
Soil name	group	high water table (Feet)	Frequency	Duration	Frequency	Duration	soil?	Depth to bedrock (range in inches)
Farmington	D		None		None		No	10-20
Galway	С		None		None		No	20-40
Galoo	D		None		None		No	2-10

	LAND USE LIMITA	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			
	Management	<u>v</u>	VOODLAND MANAGEMENT			
Soil name	concern	Rating Reason		Vermont natural communities		



## **Soil Fact Sheet - Continued**

Rutland County, Vermont

Farmington Well suited Harvest equip operability: Galway Well suited Harvest equip operability: Galoo Harvest equip operability: Well suited Farmington Road suitability: Slope Poorly suited Galway Road suitability: Poorly suited Slope Galoo Road suitability: Slope Poorly suited Farmington Erosion hazard (off-road): Moderate Slope/erodibility Galway Erosion hazard (off-road): Moderate Slope/erodibility Galoo Erosion hazard (off-road): Moderate Slope/erodibility

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