41E: Farmington-Galway-Galoo complex, 25 to 50 percent slopes, very rocky

The Farmington 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 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 15 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: 7 e	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						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	Slope		
Galway	Dwellings with basements:	Very limited	Slope		
Galoo	Dwellings with basements:	Very limited	Slope		
Farmington	Pond reservoir areas:	Very limited	Slope		
Galway	Pond reservoir areas:	Very limited	Slope		
Galoo	Pond reservoir areas:	Very limited	Slope		

	WOODLAND MANAGEMENT			
Soil name	Management concern	Rating	Reason	Vermont natural communities
Farmington	Harvest equip operability:	Poorly suited	Slope	Mesic Maple-Ash-Hickory-Oak Forest,

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