

FsB: Farmington-Stockbridge rocky loams, 5 to 12 percent slopes

The Farmington component makes up 60 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 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 Stockbridge component makes up 20 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. This component is on ridges on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide

Land capability: 4 e

Vermont Agricultural Value Group: 7e

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	0-7	L	10-27	5.1 - 7.3	0.6-2	2.0-6.0	.28	.28	1
	7-17	SIL	10-27	5.6 - 7.8	0.6-2	0.0-1.0	.43	.43	
	17-27	UWB	---	---	0.01-20	---	---	---	
Stockbridge	0-9	L	5-18	5.1 - 7.3	0.6-2	2.0-6.0	.32	.32	3
	9-17	L	5-18	5.6 - 7.3	0.6-2	0.5-2.0	.49	.49	
	17-30	FSL	5-18	5.6 - 7.3	0.06-0.6	0.0-0.5	.37	.37	
	30-65	GR-L	3-18	5.6 - 8.4	0.06-0.6	0.0-0.5	.28	.55	

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
Stockbridge	C	---	None		None		No	---

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	5.5 AUM
Stockbridge	Dwellings with basements:	Somewhat limited	Slope	Grass-legume hay	3 Tons
				Corn silage	22 Tons
Farmington	Pond reservoir areas:	Very limited	Depth to bedrock	Grass hay	4.5 Tons
Stockbridge	Pond reservoir areas:	Very limited	Slope	Grass-clover	8.5 AUM
				Grass-legume hay	4.5 Tons
				Alfalfa hay	5 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
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
Stockbridge	Harvest equip operability:	Well suited		
Farmington	Road suitability:	Moderately suited	Slope	
Stockbridge	Road suitability:	Moderately suited	Slope	
Farmington	Erosion hazard (off-road):	Slight		

Stockbridge

Erosion hazard (off-road): Slight