

505D: Berkshire-Colton association, hilly, stony

The Berkshire component makes up 55 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. This component is on hills on glaciated uplands, ridges on glaciated uplands, knolls on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer is greater than 60 inches.

The Colton component makes up 20 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 knolls on river valleys, 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.

Important farmland classification: NPSL

Land capability: 4 e

Vermont Agricultural Value Group: 10

Vermont Residential Onsite Waste Disposal Group and Subgroup: Id

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. Slopes greater than 20 percent in some areas are a concern. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.

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
Berkshire	0-6	GR-FSL	3-10	4.5 - 6.0	0.6-6	2.0-5.0	.17	.28	5
	6-32	GR-FSL	3-10	4.5 - 6.0	0.6-6	0.5-4.5	.17	.32	
	32-60	GR-FSL	1-10	4.5 - 6.0	0.6-6	0.0-1.0	.24	.43	
Colton	0-6	GRV-SL	1-7	4.5 - 6.0	6-20	2.0-6.0	.05	.17	5
	6-32	GRX-S	0-5	4.5 - 6.0	6-20	0.5-2.0	.02	.02	
	32-60	GRX-S	0-3	4.5 - 6.5	20-100	0.0-0.5	.02	.02	

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		
Berkshire	B	---	None		None		No	---
Colton	A	---	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Berkshire	Dwellings with basements:	Very limited	Slope		
Colton	Dwellings with basements:	Very limited	Slope		
Berkshire	Pond reservoir areas:	Very limited	Slope		
Colton	Pond reservoir areas:	Very limited	Seepage		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Berkshire	Harvest equip operability:	Well suited		Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Beech-Red Maple-Hemlock-Northern Hardwood Forest Variant, Hemlock Forest
Colton	Harvest equip operability:	Well suited		
Berkshire	Road suitability:	Poorly suited	Slope	
Colton	Road suitability:	Poorly suited	Slope	
Berkshire	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Colton	Erosion hazard (off-road):	Moderate	Slope/erodibility	