18D: Peru, Skerry, and Colonel soils, 15 to 35 percent slopes, very stony

The Peru, very stony component makes up 55 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. This component is on moderately steep to steep mountains on glaciated uplands, moderately steep to steep hills on glaciated uplands. The parent material consists of loamy basal till. Depth to a root restrictive layer, densic material, is 20 to 36 inches.

The Skerry, very stony component makes up 20 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. This component is on moderately steep to steep mountains on glaciated uplands, moderately steep to steep hills on glaciated uplands. The parent material consists of loamy basal till. Depth to a root restrictive layer, densic material, is 20 to 36 inches.

The Colonel, very stony component makes up 15 percent of the map unit. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. This component is on moderately steep to steep hills on glaciated uplands, moderately steep to steep mountains on glaciated uplands. The parent material consists of loamy basal till. Depth to a root restrictive layer, densic material, is 10 to 20 inches.

Important farmland classification: NPSL	Land capability: 6 s	Vermont Agricultural Value Group: 10

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIIe

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 the seasonal high water table and slopes greater than 20 percent in some areas are the major limitations. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level. 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
Peru, very stony	0-2	SPM	---	3.2 - 5.7	2-6	25-100	---	---	3
	2-4	FSL	3-10	4.5 - 6.0	0.6-2	2.0-6.0	.24	.24	
	4-22	FSL	3-10	4.5 - 6.0	0.6-2	0.5-4.5	.37	.37	
	22-65	FSL	3-10	4.5 - 6.0	0.06-0.6	0.0-1.0	.43	.43	
Skerry, very stony	0-6	HPM	---	3.2 - 5.7	2-6	25-100	---	---	3
	6-8	FSL	2-6	4.5 - 6.5	0.6-2	2.0-8.0	.28	.28	
	8-22	FSL	2-7	4.5 - 6.5	0.6-2	0.5-4.5	.43	.43	
	22-26	LFS	2-7	4.5 - 6.5	0.6-2	0.5-4.5	.37	.37	
	26-65	LFS	1-5	4.5 - 6.5	0.06-0.6	0.0-1.0	.43	.43	
Colonel, very stony	0-2	HPM	---	3.2 - 5.7	2-6	25-100	---	---	3
	2-6	FSL	3-10	3.6 - 6.5	0.6-2	4.0-8.0	.37	.37	
	6-20	FSL	3-10	3.6 - 6.5	0.6-2	0.5-4.0	.49	.49	
	20-65	FSL	3-10	4.5 - 6.5	0.06-0.6	0.0-0.5	.55	.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		
Peru, very stony	C	1.5-2.5	None		None		No	---
Skerry, very stony	C	1.5-2.5	None		None		No	---
Colonel, very stony	D	1.0-2.0	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Peru, very stony	Dwellings with basements:	Very limited	Slope		

Colonel, very stony	Dwellings with basements:	Very limited	Slope
Skerry, very stony	Dwellings with basements:	Very limited	Slope
Peru, very stony	Pond reservoir areas:	Very limited	Slope
Colonel, very stony	Pond reservoir areas:	Very limited	Slope
Skerry, very stony	Pond reservoir areas:	Very limited	Slope

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Peru	Harvest equip operability:	Moderately suited	Slope	Northern Hardwood Forest, Red Spruce-Northern Hardwood Forest, Hemlock Forest
Colonel	Harvest equip operability:	Moderately suited	30-60cm to water table >=6mos	
Skerry	Harvest equip operability:	Moderately suited	Slope	
Peru	Road suitability:	Poorly suited	Slope	
Colonel	Road suitability:	Poorly suited	Slope	
Skerry	Road suitability:	Poorly suited	Slope	
Peru	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Colonel	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Skerry	Erosion hazard (off-road):	Moderate	Slope/erodibility	