

Cw: Covington and Panton silty clays

The Covington component makes up 45 percent of the map unit. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. This component is on depressions on lake terraces on lake plains. The parent material consists of clayey glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

The Panton component makes up 45 percent of the map unit. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. This component is on depressions on lake terraces on lake plains. The parent material consists of clayey glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide (b) **Land capability:** 4 w **Vermont Agricultural Value Group:** 6d

Vermont Residential Onsite Waste Disposal Group and Subgroup: IVa

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. Excessive soil wetness in association with the minimal slope is the limiting condition. Prolonged periods of saturation at or near the soil surface do not allow for the proper functioning of septic systems.

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
Covington	0-8	SIC	40-90	5.6 - 7.3	0-0.2	4.0-16	.49	.49	2
	8-24	C	60-90	5.6 - 7.8	0-0.06	0.5-2.0	.49	.49	
	24-65	C	60-90	5.6 - 8.4	0-0.06	0.0-0.5	.49	.49	
Panton	0-8	SIC	35-90	5.1 - 6.5	0-0.06	4.0-16	.49	.49	2
	8-46	C	60-90	5.1 - 7.8	0-0.06	0.5-2.0	.49	.49	
	46-80	C	60-90	6.6 - 8.4	0-0.06	0.0-0.5	.49	.49	

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		
Covington	D	0.5-1.0	None		None		Yes	---
Panton	D	0.5-2.0	None		None		Yes	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Covington	Dwellings with basements:	Very limited	Depth to saturated zone	Grass-legume hay	3.5 Tons
Panton	Dwellings with basements:	Very limited	Depth to saturated zone	Corn silage	12 Tons
Covington	Pond reservoir areas:	Not limited		Pasture	5.5 AUM
Panton	Pond reservoir areas:	Not limited		Pasture	5.5 AUM
				Grass hay	3 Tons
				Corn silage	10 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Covington	Harvest equip operability:	Poorly suited	Low strength	Wet Clayplain Forest Variant
Panton	Harvest equip operability:	Poorly suited	Low strength	
Covington	Road suitability:	Poorly suited	Low strength	
Panton	Road suitability:	Poorly suited	Low strength	
Covington	Erosion hazard (off-road):	Slight		
Panton	Erosion hazard (off-road):	Slight		