

38B: Colton-Duxbury complex, 3 to 8 percent slopes

The Colton component makes up 37 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 outwash plains, outwash terraces. The parent material consists of sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

The Duxbury component makes up 35 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is high. This component is on outwash plains, outwash terraces. The parent material consists of sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide

Land capability: 3 s

Vermont Agricultural Value Group: 6

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ia

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. The rapid permeability in the substratum is a concern. Backfilling absorption trenches with at least one foot of finer textured material or other site modifications may be necessary to slow the percolation rate enough to allow for thorough filtering of effluent.

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
Colton	0-9	FSL	0-7	3.5 - 6.0	2-100	1.0-5.0	.24	.24	5
	9-13	GRV-LS	0-7	3.5 - 6.0	2-100	1.0-4.6	.10	.24	
	13-22	GR-COS	0-5	3.5 - 6.0	2-100	0.5-3.0	.02	.02	
	22-65	GRV-COS	0-3	4.5 - 6.5	20-100	0.0-0.5	.02	.02	
Duxbury	0-16	FSL	0-7	3.5 - 6.5	2-6	1.0-5.0	.32	.32	3
	16-28	GR-LFS	0-7	3.5 - 6.5	2-6	0.5-2.5	.20	.37	
	28-65	GRV-S	0-5	4.5 - 6.5	6-100	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?
			Frequency	Duration	Frequency	Duration	
Colton	A	---	None		None		No
Duxbury	A	---	None		None		No

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Duxbury	Dwellings with basements:	Not limited		Pasture	9 AUM
Colton	Dwellings with basements:	Not limited		Grass-legume hay	3.5 Tons
Duxbury	Pond reservoir areas:	Very limited	Seepage	Corn silage	18 Tons
Colton	Pond reservoir areas:	Very limited	Seepage	Grass-clover	9 AUM
				Grass hay	3.5 Tons
				Corn silage	18 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Duxbury	Harvest equip operability:	Well suited		Hemlock-Northern Hardwood Forest, Hemlock-White Pine-Northern Hardwood Forest Variant, Lowland Spruce-Fir Forest, well drained phase, White Pine-Northern Hardwood Forest Variant, Hemlock Forest, Red Pine Forest or Woodland
Colton	Harvest equip operability:	Well suited		
Duxbury	Road suitability:	Well suited		
Colton	Road suitability:	Well suited		
Duxbury	Erosion hazard (off-road):	Slight		
Colton	Erosion hazard (off-road):	Slight		

