

17B: Cabot silt loam, 3 to 8 percent slopes

The Cabot component makes up 83 percent of the map unit. The natural drainage class is poorly drained. Water movement in the most restrictive layer is low. This component is on mountains on glaciated uplands, hills on glaciated uplands. The parent material consists of loamy lodgment till derived from mica schist and/or loamy lodgment till derived from limestone. Depth to a root restrictive layer, densic material, is 6 to 20 inches.

Important farmland classification: Statewide (b) **Land capability:** 3 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
Cabot	0-7	SIL	1-15	5.1 - 7.3	0.1-14	3.5-20	.43	.43	2
	7-13	FSL	1-15	5.1 - 7.3	0.1-14	0.3-3.5	.49	.49	
	13-65	FSL	1-15	5.6 - 7.8	0.001-1	0.2-1.0	.43	.43	

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		
Cabot	D	0.0-1.5	None		None		Yes	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Cabot	Dwellings with basements:	Very limited	Depth to saturated zone	Corn silage	15 Tons
Cabot	Pond reservoir areas:	Somewhat limited	Slope	Grass-clover	5.6 AUM
				Grass-legume hay	3.5 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Cabot	Harvest equip operability:	Poorly suited	<30cm to water table for >=6mos	Red Maple-Black Ash Swamp, Spruce-Fir-Tamarack Swamp, Lowland Spruce-Fir Forest, Alder Swamp,
Cabot	Road suitability:	Moderately suited	Wetness	Northern White Cedar Swamp,
Cabot	Erosion hazard (off-road):	Slight		Calcareous Red Maple-Tamarack Swamp