

100B: Wilmington sandy loam, 0 to 8 percent slopes, very stony

The Wilmington component makes up 85 percent of the map unit. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. This component is on mountains on glaciated uplands, hills on glaciated uplands, depressions on glaciated uplands. The parent material consists of loamy basal till. Depth to a root restrictive layer, densic material, is 12 to 26 inches.

Important farmland classification: NPSL

Land capability: 6 s

Vermont Agricultural Value Group: 10

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
Wilmington, very stony	0-3	PEAT	---	3.5 - 6.0	1-14	35-95	---	---	2
	3-5	MPT	---	3.5 - 6.0	1-14	35-95	---	---	
	5-7	MUCK	---	3.5 - 6.0	1-14	35-95	---	---	
	7-9	SL	1-10	3.5 - 6.0	0.1-14	1.0-7.0	.43	.43	
	9-14	SL	1-10	3.5 - 6.0	0.1-14	5.0-18	.32	.32	
	14-19	GR-SL	1-10	3.5 - 6.0	0.1-14	2.0-18	.20	.32	
	19-65	GR-SL	1-10	5.1 - 6.5	0.01-1	0.0-1.0	.28	.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		
Wilmington, very stony	D	0.0-1.0	None		None		Yes	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Wilmington, very stony	Dwellings with basements:	Very limited	Depth to saturated zone	Pasture	4.8 AUM

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Wilmington	Harvest equip operability:	Poorly suited	<30cm to water table for >=6mos	Lowland Spruce-Fir Forest
Wilmington	Road suitability:	Poorly suited	Wetness	
Wilmington	Erosion hazard (off-road):	Slight		