

PtE: Pomfret soils, 25 to 50 percent slopes

The Pomfret component makes up 85 percent of the map unit. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is low. This component is on ridges on glaciated uplands, hills on glaciated uplands. The parent material consists of sandy till. Depth to a root restrictive layer, bedrock, lithic, is 40 to 96 inches.

Important farmland classification: NPSL	Land capability: 7 s	Vermont Agricultural Value Group: 11
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IVb

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. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock.

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
Pomfret	0-3	LFS	1-7	5.6 - 7.3	2-20	2.0-8.0	.17	.17	3
	3-30	LS	1-7	5.6 - 7.3	2-20	0.5-3.0	.15	.15	
	30-58	LS	1-5	6.1 - 7.3	6-20	0.0-1.0	.15	.15	
	58-68	WB	---	---	0.01-20	---	---	---	

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		
Pomfret	A	---	None		None		No	40-96

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Pomfret	Dwellings with basements:	Very limited	Slope		
Pomfret	Pond reservoir areas:	Very limited	Seepage		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Pomfret	Harvest equip operability:	Poorly suited	Slope	Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Rich Northern Hardwood Forest
Pomfret	Road suitability:	Poorly suited	Slope	
Pomfret	Erosion hazard (off-road):	Severe	Slope/erodibility	