

Soil Fact Sheet

Orleans County, Vermont

101D: Tunbridge-Peru complex, 15 to 35 percent slopes, very stony

Important farmland classification: NPSL	Land capability: 7 s	Vermont Agricultural Value Group: 10
---	----------------------	--------------------------------------

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
Tunbridge, very stony	0-3	MPM	---	3.5 - 5.5	1-14	35-95	---	---	2
	3-5	HPM	---	3.5 - 5.5	1-14	35-95	---	---	
	5-8	FSL	1-10	3.5 - 6.0	0.1-14	1.4-5.7	.37	.37	
	8-11	FSL	1-10	3.5 - 6.0	0.1-14	3.1-25	.32	.32	
	11-26	FSL	1-10	3.5 - 6.0	0.1-14	2.2-18	.37	.37	
	26-28	FSL	1-10	5.1 - 6.5	0.1-14	1.0-4.2	.43	.43	
	28-38	BR	---	---	0.001-14	---	---	---	
Peru, very stony	0-1	MPM	---	3.5 - 5.5	1-14	35-95	---	---	3
	1-5	FSL	2-10	3.5 - 6.5	0.1-14	5.0-25	.32	.32	
	5-6	FSL	1-10	3.5 - 6.5	0.1-14	1.0-7.0	.43	.43	
	6-7	FSL	1-10	3.5 - 6.5	0.1-14	5.0-10	.32	.32	
	7-13	FSL	1-10	3.5 - 6.5	0.1-14	2.0-6.0	.37	.37	
	13-18	FSL	1-10	3.5 - 6.5	0.1-14	2.0-6.0	.49	.49	
	18-21	FSL	1-10	3.5 - 6.5	0.1-14	0.5-2.0	.55	.55	
	21-37	FSL	1-10	3.5 - 6.5	0.01-1	0.0-1.0	.64	.64	
	37-65	FSL	1-10	3.5 - 6.5	0.01-1	0.0-1.0	.64	.64	

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		
Tunbridge, very stony	C	---	None		None		No	20-40
Peru, very stony	C/D	1.4-2.8	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Tunbridge, very stony	Dwellings with basements:	Very limited	Slope	Pasture	3.1 AUM
Peru, very stony	Dwellings with basements:	Very limited	Slope		
Tunbridge, very stony	Pond reservoir areas:	Very limited	Slope		
Peru, very stony	Pond reservoir areas:	Very limited	Slope		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Tunbridge	Harvest equip operability:	Moderately suited	Slope	
Peru	Harvest equip operability:	Moderately suited	30-60cm to water table 1	
Tunbridge	Road suitability:	Poorly suited	Slope	
Peru	Road suitability:	Poorly suited	Slope	
Tunbridge	Erosion hazard (off-road):	Moderate	Slope/erodibility	
Peru	Erosion hazard (off-road):	Moderate	Slope/erodibility	