

403B: Cabot-Pondicherry-Wonsqueak association, 0 to 8 percent slopes, very stony

Important farmland classification: NPSL	Land capability: 6 s	Vermont Agricultural Value Group: 10
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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, very stony	0-1	SPM	---	3.2 - 5.7	1-14	35-95	---	---	2
	1-9	SIL	1-15	5.1 - 7.3	0.1-14	3.5-20	.49	.49	
	9-14	SIL	1-15	5.1 - 7.3	0.1-14	0.3-4.0	.55	.55	
	14-17	CN-SIL	1-15	5.1 - 7.3	0.1-14	0.2-2.0	.43	.64	
	17-22	CN-FSL	1-15	5.1 - 7.3	0.001-1	0.1-1.0	.32	.49	
	22-65	CN-SIL	1-15	5.6 - 7.8	0.001-1	0.1-1.0	.37	.64	
Pondicherry	0-4	MUCK	---	5.1 - 7.3	0.1-14	50-100	---	---	1
	4-20	MUCK	---	5.1 - 7.3	0.1-14	50-100	---	---	
	20-24	MK-LS	0-3	5.1 - 7.3	1-100	5.0-20	.20	.20	
	24-34	S	0-3	5.1 - 7.3	1-100	3.0-20	.10	.10	
	34-65	GR-S	0-3	5.1 - 7.3	1-100	1.0-11	.02	.02	
Wonsqueak	0-8	MUCK	---	3.5 - 6.5	0.1-14	50-100	---	---	1
	8-32	MUCK	---	3.5 - 6.5	0.1-14	50-100	---	---	
	32-65	SIL	5-30	4.5 - 7.8	0.1-14	3.0-20	.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, very stony	D	0.0-1.5	None		None		Yes	---
Pondicherry	B/D	0.0	None		Frequent	Long (7 to	Yes	---
Wonsqueak	B/D	0.0	None		Frequent	Long (7 to	Yes	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Pondicherry	Dwellings with basements:	Very limited	Ponding		
Wonsqueak	Dwellings with basements:	Very limited	Ponding		
Cabot, very stony	Dwellings with basements:	Very limited	Depth to saturated zone		
Pondicherry	Pond reservoir areas:	Very limited	Seepage		
Wonsqueak	Pond reservoir areas:	Somewhat limited	Seepage		
Cabot, very stony	Pond reservoir areas:	Somewhat limited	Slope		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Pondicherry	Harvest equip operability:	Poorly suited	<30cm to water table for	
Wonsqueak	Harvest equip operability:	Poorly suited	Low strength	
Cabot	Harvest equip operability:	Poorly suited	<30cm to water table for	
Pondicherry	Road suitability:	Poorly suited	Ponding	
Wonsqueak	Road suitability:	Poorly suited	Low strength	
Cabot	Road suitability:	Moderately suited	Wetness	
Pondicherry	Erosion hazard (off-road):	Slight		
Wonsqueak	Erosion hazard (off-road):	Slight		
Cabot	Erosion hazard (off-road):	Slight		

