

29: Histosols and Aquepts, ponded

The Aquepts component makes up 50 percent of the map unit. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. This component is on swamps on lake plains, bogs on lake plains. The parent material consists of loamy lacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

The Histosols, undrained component makes up 50 percent of the map unit. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. This component is on swamps on lake plains, bogs on lake plains. The parent material consists of organic material. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL

Land capability: 8 w

Vermont Agricultural Value Group: 11

Vermont Residential Onsite Waste Disposal Group and Subgroup: V

This unit is not rated as a site for soil-based residential wastewater disposal systems. Due to the variable nature of the soils, on-site investigations are needed to determine their suitability.

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
Aquepts	0-9	SIL	3-16	6.1 - 7.3	0.2-2	3.0-10	.43	.43	5
	9-22	SIL	3-16	6.1 - 7.3	0.2-2	0.5-2.0	.55	.55	
	22-60	SI	3-16	6.1 - 7.3	0.2-2	0.0-0.5	.64	.64	
Histosols, undrained	0-36	MUCK	---	5.6 - 6.8	0.2-6	80-99	---	---	1
	36-65	SIL	5-30	6.1 - 7.3	0.2-2	0.0-2.0	.49	.49	

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		
Aquepts	B/D	0.0-1.0	None		Frequent	Long (7 to 30 days)	Yes	---
Histosols, undrained	B/D	0.0-1.0	None		Frequent	Long (7 to 30 days)	Yes	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Histosols, undrained	Dwellings with basements:	Not rated			
Aquepts	Dwellings with basements:	Not rated			
Histosols, undrained	Pond reservoir areas:	Not rated			
Aquepts	Pond reservoir areas:	Not rated			

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Histosols	Harvest equip operability:	Not rated	Not rated; slope	
Aquepts	Harvest equip operability:	Not rated	Not rated; slope	
Histosols	Road suitability:	Not rated	Not rated; slope	
Aquepts	Road suitability:	Not rated	Not rated; slope	
Histosols	Erosion hazard (off-road):	Not rated		
Aquepts	Erosion hazard (off-road):	Not rated		