

SaB: St. Albans-Dutchess loams, 3 to 8 percent slopes

The St. Albans component makes up 50 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is high. This component is on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer is greater than 60 inches.

The Dutchess component makes up 30 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. This component is on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Prime

Land capability: 2 e

Vermont Agricultural Value Group: 1

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ic

This unit is well 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. With moderate permeability and slopes less than 20 percent, there are few limitations.

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
St. Albans	0-7	L	3-10	4.5 - 6.0	2-6	3.0-8.0	.28	.28	5
	7-19	CN-FSL	3-7	4.5 - 6.0	2-6	0.5-2.0	.17	.37	
	19-65	CN-FSL	0-5	4.5 - 6.0	2-6	0.0-0.5	.20	.43	
Dutchess	0-4	L	4-10	4.5 - 6.0	0.6-2	3.0-8.0	.32	.32	5
	4-26	CN-L	4-10	4.5 - 6.0	0.6-2	0.0-1.0	.24	.49	
	26-65	CN-FSL	4-10	5.1 - 6.5	0.6-2	0.0-1.0	.15	.37	

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		
St. Albans	A	---	None		None		No	---
Dutchess	B	---	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
St. Albans	Dwellings with basements:	Not limited		Alfalfa hay	5 Tons
Dutchess	Dwellings with basements:	Not limited		Corn silage	23 Tons
St. Albans	Pond reservoir areas:	Very limited	Seepage	Grass hay	4 Tons
Dutchess	Pond reservoir areas:	Somewhat limited	Seepage	Grass-legume hay	4 Tons
				Grass-clover	6.4 AUM
				Alfalfa hay	4.5 Tons
				Grass-legume hay	4 Tons
				Grass-clover	6.4 AUM
				Grass hay	4 Tons
				Corn silage	22 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
St. Albans	Harvest equip operability:	Well suited		Mesic Maple-Ash-Hickory-Oak Forest, Northern Hardwood Forest
Dutchess	Harvest equip operability:	Well suited		
St. Albans	Road suitability:	Well suited		
Dutchess	Road suitability:	Well suited		
St. Albans	Erosion hazard (off-road):	Slight		

Dutchess Erosion hazard (off-road): Slight