EwA: Enosburg and Whately soils, 0 to 3 percent slopes

The Enosburg component makes up 43 percent of the map unit. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. This component is on terraces on lake plains. The parent material consists of sandy glaciofluvial deposits over loamy glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

The Whately component makes up 43 percent of the map unit. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. This component is on depressions on terraces on lake plains. The parent material consists of coarse-loamy glaciolacustrine deposits over clayey glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide (b)	Land capability: 3 w	Vermont Agricultural Value Group: 4d

Vermont Residential Onsite Waste Disposal Group and Subgroup: IVa

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. Excessive soil wetness in association with the minimal slope is the limiting condition. Prolonged periods of saturation at or near the soil surface do not allow for the proper functioning of septic systems.

PHYSICAL and CHEMICAL PROPERTIES

Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS Kw	Kf	T
Enosburg	0-8	LS	1-5	4.5 - 6.5	6-20	2.0-4.0	.15	.15	5
	8-32	COS	1-5	4.5 - 7.3	6-20	0.5-2.0	.02	.02	
	32-65	SI	3-18	5.6 - 7.3	0.06-0.6	0.0-0.5	.64	.64	
Whately	0-8	FSL	5-12	5.1 - 7.3	2-6	4.0-8.0	.24	.24	3
	8-15	FSL	5-12	5.1 - 7.3	2-6	0.5-3.0	.32	.32	
	15-65	SICL	35-55	5.6 - 8.4	0-0.2	0.0-0.5	.37	.37	

WATER FEATURES **SOIL FEATURES**

Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding Frequency	Flooding Duration	Ponding Frequency	Ponding Duration	Hydric soil?	Depth to bedrock (range in inches)
Enosburg	C/D	0.0-1.0	None		None		Yes	---
Whately	C/D	0.0-1.5	None		None		Yes	---

LAND USE LIMITATIONS

Soil name	Land use	Rating	Reason **
Enosburg	Dwellings with basements:	Very limited	Depth to saturated zone
Whately	Dwellings with basements:	Very limited	Depth to saturated zone
Enosburg	Pond reservoir areas:	Very limited	Seepage
Whately	Pond reservoir areas:	Not limited	

AGRICULTURAL YIELD DATA

Crop name	Yield / acre
Pasture	5.7 AUM
Grass-legume hay	3 Tons
Grass hay	3 Tons
Corn silage	18 Tons
Grass hay	3 Tons
Corn silage	18 Tons
Grass-clover	5.6 AUM
Grass-legume hay	3 Tons

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Enosburg	Harvest equip operability:	Poorly suited	<30cm to water table for >=6mos	Red Maple-Black Ash Swamp, Spruce-Fir-Tamarack Swamp,Alder Swamp
Whately	Harvest equip operability:	Poorly suited	<30cm to water table for >=6mos	
Enosburg	Road suitability:	Poorly suited	Wetness	
Whately	Road suitability:	Poorly suited	Wetness	

Enosburg	Erosion hazard (off-road):	Slight
Whately	Erosion hazard (off-road):	Slight