HbD: Hinesburg loamy fine sand, 15 to 25 percent slopes

The Hinesburg component makes up 65 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 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.

Important farmland classification: NPSL	Land capability: 4 e	Vermont Agricultural Value Group: 8

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIIe

This unit is marginally 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. The depth to the seasonal high water table and slopes greater than 20 percent in some areas are the major limitations. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.

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
Hinesburg	0-7	LFS	1-5	5.6 - 6.5	6-20	3.0-6.0	.17	.17	5
	7-22	LFS	1-5	5.6 - 6.5	6-20	0.5-2.0	.37	.37	
	22-60	SIL	3-28	5.1 - 7.3	0.2-0.6	0.0-0.5	.64	.64	

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)
Hinesburg	A	2.0-4.0	None		None		No	---

LAND USE LIMITATIONS

Soil name	Land use	Rating	Reason **
Hinesburg	Dwellings with basements:	Very limited	Slope
Hinesburg	Pond reservoir areas:	Very limited	Seepage

AGRICULTURAL YIELD DATA

Crop name	Yield / acre
Grass-legume hay	3 Tons
Grass-clover	4.8 AUM
Grass hay	2.5 Tons
Corn silage	11 Tons
Alfalfa hay	3.5 Tons

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Hinesburg	Harvest equip operability:	Moderately suited	Slope	White Pine-Red Oak-Black Oak Forest, White Pine-Northern Hardwood Forest Variant, Sugar Maple-Ostrich Fern Riverine Floodplain Forest
Hinesburg	Road suitability:	Poorly suited	Slope	
Hinesburg	Erosion hazard (off-road):	Moderate	Slope/erodibility	