148C: Bomoseen and Pittstown soils, 8 to 15 percent slopes

The Bomoseen component makes up 43 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. This component is on hills on glaciated uplands, ridges on glaciated uplands. The parent material consists of coarse-loamy basal till. Depth to a root restrictive layer, densic material, is 15 to 35 inches.

The Pittstown component makes up 43 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. This component is on hills on glaciated uplands, ridges on glaciated uplands. The parent material consists of coarse-loamy basal till. Depth to a root restrictive layer, densic material, is 15 to 30 inches.

Important farmland classification: Statewide	Land capability: 3 e	Vermont Agricultural Value Group: 7

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIh

This unit is moderately 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 is the primary concern. Mound system construction and other site modifications are often necessary. On sloping sites, curtain drains can help lower the water table to an acceptable level. In some cases, a detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit.

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
Bomoseen	0-8	CN-L	4-16	5.6 - 7.3	0.6-2	2.0-6.0	.17	.28	3
	8-27	CN-FSL	4-16	5.6 - 7.3	0.6-2	0.1-2.0	.20	.32	
	27-60	CN-SIL	4-16	6.1 - 8.4	0-0.06	0.0-0.5	.37	.64	
Pittstown	0-8	SIL	2-12	4.5 - 6.0	0.6-2	2.0-6.0	.43	.43	3
	8-22	SIL	2-12	4.5 - 6.0	0.6-2	0.5-3.0	.55	.55	
	22-60	GR-SIL	2-12	4.5 - 6.0	0.06-0.6	0.0-1.0	.28	.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)
Bomoseen	C/D	1.5-3.0	None		None		No	---
Pittstown	C	1.5-3.0	None		None		No	---

LAND USE LIMITATIONS

Soil name	Land use	Rating	Reason **
Bomoseen	Dwellings with basements:	Very limited	Depth to saturated zone
Pittstown	Dwellings with basements:	Very limited	Depth to saturated zone
Bomoseen	Pond reservoir areas:	Very limited	Slope
Pittstown	Pond reservoir areas:	Very limited	Slope

AGRICULTURAL YIELD DATA

Crop name	Yield / acre
Grass-clover	6.5 AUM
Corn silage	18 Tons
Alfalfa hay	4 Tons
Grass-legume hay	3.5 Tons
Grass-legume hay	3.8 Tons
Grass-clover	6 AUM
Grass hay	3.8 Tons
Corn silage	18 Tons
Alfalfa hay	4.3 Tons

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Bomoseen	Harvest equip operability:	Moderately suited	30-60cm to water table >=6mos	Mesic Maple-Ash-Hickory-Oak Forest, Rich Northern Hardwood Forest, Sugar Maple-White Ash Northern Hardwood Forest
Pittstown	Harvest equip operability:	Well suited		
Bomoseen	Road suitability:	Moderately suited	Slope	

Pittstown	Road suitability:	Moderately suited	Slope
Bomoseen	Erosion hazard (off-road):	Slight	
Pittstown	Erosion hazard (off-road):	Moderate	Slope/erodibility