

**207E: Salmon-Adamant complex, 25 to 50 percent slopes, very rocky**

The Salmon, very rocky component makes up 45 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 lake terraces. The parent material consists of silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

The Adamant, very rocky component makes up 35 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is low. This component is on lake terraces. The parent material consists of silty glaciolacustrine deposits. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

**Important farmland classification:** NPSL

**Land capability:** 7 e

**Vermont Agricultural Value Group:** 11

**Vermont Residential Onsite Waste Disposal Group and Subgroup:** IVb

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. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock.

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
Salmon, very rocky	0-1	MPM	---	3.6 - 5.5	2-6	35-100	---	---	5
	1-8	VFSL	3-18	5.1 - 6.0	0.6-2	0.5-6.0	.37	.37	
	8-34	VFSL	3-18	5.1 - 6.5	0.6-2	0.5-3.0	.55	.55	
	34-65	VFSL	3-18	5.1 - 6.5	0.6-2	0.0-1.0	.64	.64	
Adamant, very rocky	0-1	MPM	---	3.6 - 5.5	2-6	35-100	---	---	2
	1-5	SIL	1-10	3.5 - 6.0	0.6-6	1.0-8.0	.43	.43	
	5-14	SIL	1-10	3.5 - 6.0	0.6-6	0.5-5.0	.64	.64	
	14-24	SIL	1-10	3.5 - 6.0	0.6-6	0.0-1.0	.64	.64	
	24-34	UWB	---	---	0.01-20	---	---	---	

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		
Salmon, very rocky	B	---	None		None		No	---
Adamant, very rocky	C	---	None		None		No	20-40

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Salmon, very rocky	Dwellings with basements:	Very limited	Slope		
Adamant, very rocky	Dwellings with basements:	Very limited	Slope		
Salmon, very rocky	Pond reservoir areas:	Very limited	Slope		
Adamant, very rocky	Pond reservoir areas:	Very limited	Slope		

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Salmon	Harvest equip operability:	Poorly suited	Slope	Northern Hardwood Forest, Red Spruce-Northern Hardwood Forest
Adamant	Harvest equip operability:	Poorly suited	Slope	
Salmon	Road suitability:	Poorly suited	Slope	
Adamant	Road suitability:	Poorly suited	Slope	
Salmon	Erosion hazard (off-road):	Severe	Slope/erodibility	
Adamant	Erosion hazard (off-road):	Very severe	Slope/erodibility	