

## 64C: Salmon-Adamant complex, 8 to 15 percent slopes, very rocky

The Salmon 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 knolls on dissected lake plains. The parent material consists of coarse-silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

The Adamant 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 knolls on lake plains. The parent material consists of coarse-silty glaciolacustrine deposits. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

Important farmland classification: NPSL	Land capability: 3 e	Vermont Agricultural Value Group: 8e
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## Vermont Residential Onsite Waste Disposal Group and Subgroup: IIc

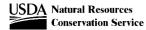
This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to bedrock in some areas is the primary concern. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock.

PHYSICAL and CHEMICAL PROPERTIES							EDOCION FACTORS		
Soil name	Depth	Typical	Clay	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS		
	(ln)	texture	(Pct)				Kw	Kf	Т
Salmon	0-3	MPM		3.2 - 5.7	2-6	25-95			5
	3-7	VFSL	2-18	3.6 - 6.0	0.6-2	2.0-6.0	.32	.32	
	7-19	VFSL	2-18	3.6 - 6.0	0.6-2	0.5-3.0	.43	.43	
	19-68	VFSL	2-18	5.1 - 6.0	0.6-2	0.0-1.0	.49	.49	
Adamant	0-4	HPM		3.2 - 5.7	2-6	25-95			2
	4-9	VFSL	1-10	4.5 - 6.0	0.6-6	1.0-8.0	.37	.37	
	9-22	VFSL	1-10	4.5 - 6.0	0.6-6	0.5-3.0	.64	.64	
	22-28	VFSL	1-10	4.5 - 6.0	0.6-6	0.5-3.0	.64	.64	
	28-38	UWB			0.01-20				

WATER FEATURES							SOIL FEATURES		
Soil name Hydrologic group	Depth to seasonal high water table (Feet)	Flooding		Ponding		Hydric			
		Frequency	Duration	Frequency	Duration	soil?	Depth to bedrock (range in inches)		
Salmon	В		None		None		No		
Adamant	С		None		None		No	20-40	

	LAND USE LIMITA	AGRICULTURAL YIELD DATA			
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Salmon	Dwellings with basements:	Somewhat limited	Slope	Alfalfa hay	5.5 Tons
Adamant	Dwellings with basements:	Very limited	Depth to hard bedrock	Pasture	8.5 AUM
Salmon	Pond reservoir areas:	Very limited	Slope	Grass-legume hay	4.5 Tons
Adamant		,	•	Grass-clover	6.4 AUM
Adamani	Pond reservoir areas:	Very limited	Slope	Grass hay	4 Tons
				Alfalfa hay	4.5 Tons
				Corn silage	18 Tons
				Grass-legume hay	4 Tons

	Management	<u>w</u>	OODLAND MA	NAGEMENT
Soil name	concern	Rating	Reason	Vermont natural communities
Salmon	Harvest equip operability:	Well suited		Northern Hardwood Forest,
Adamant	Harvest equip operability:	Well suited		Red Spruce-Northern Hardwood Forest
Salmon	Road suitability:	Moderately suited	Slope	



## **Soil Fact Sheet - Continued**

Washington County, Vermont

Adamant Road suitability: Moderately suited Slope

Salmon Erosion hazard (off-road): Slight

Adamant Erosion hazard (off-road): Moderate Slope/erodibility