

207D: Salmon-Adamant complex, 15 to 25 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: 4 e Vermont Agricultural Value Group: 8e

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ild

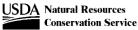
This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to bedrock and slopes greater than 20 percent in some areas are the primary concerns. 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. 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 | | | | | | | EDOSION FACTORS | | |
|----------------------------------|---------------|--------------------|---------------|--------------------------|-------------------------|----------------------------|-----------------|-----|---|
| Soil name | Depth (In) | Typical texture | Clay (Pct) | Soil reaction (pH) | Permeability (In/Hr) | Organic matter (Pct) | EROSION FACTORS | | |
| | | | | | | | Kw | Kf | Т |
| 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 | | | | |

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

| | LAND USE LIMITA | AGRICULTURAL YIE | AGRICULTURAL YIELD DATA | | |
|--|---------------------------|------------------|-------------------------|------------------|--------------|
| Soil name | Land use | Rating | Reason ** | Crop name | Yield / acre |
| Salmon, very rocky | Dwellings with basements: | Very limited | Slope | Alfalfa hay | 4 Tons |
| Adamant, very rocky | Dwellings with basements: | Very limited | Slope | Corn silage | 19 Tons |
| Salmon, very rocky Pond reservoir Adamant, very rocky Pond reservoir | 3 | • | • | Pasture | 6.5 AUM |
| | | Very limited | Slope | Grass-legume hay | 3.5 Tons |
| | Pond reservoir areas: | Very limited | Slope | Alfalfa hay | 4 Tons |
| | | | | Grass-legume hay | 3.5 Tons |
| | | | | Grass-clover | 5.6 AUM |
| | | | | Grass hay | 3.5 Tons |
| | | | | Corn silage | 15 Tons |

Soil name Management concern Rating Reason Vermont natural communities



Adamant

Soil Fact Sheet - Continued

Slope/erodibility

Caledonia County, Vermont

Salmon Harvest equip operability: Moderately suited Slope Adamant Harvest equip operability: Moderately suited Slope Salmon Road suitability: Poorly suited Slope Adamant Road suitability: Poorly suited Slope Salmon Erosion hazard (off-road): Moderate Slope/erodibility

Erosion hazard (off-road):

Moderate

Northern Hardwood Forest,

Red Spruce-Northern Hardwood Forest