## 66C: Vershire-Dummerston complex, 8 to 15 percent slopes, rocky

The Vershire component makes up 45 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 glaciated uplands, hills on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches.

The Dummerston component makes up 35 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 hills on glaciated uplands, knolls on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer is greater than 60 inches.

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

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**

| Soil name | Depth (In) | Typical texture | Clay (Pct) | Soil reaction (pH) | Permeability (In/Hr) | Organic matter (Pct) | EROSION FACTORS Kw | Kf | T |
|---|---|---|---|---|---|---|---|---|---|
| Vershire | 0-9 | VFSL | 4-18 | 4.5 - 6.5 | 0.6-2 | 1.0-4.0 | .43 | .43 | 2 |
| | 9-17 | VFSL | 4-18 | 4.5 - 6.5 | 0.6-2 | 0.5-3.0 | .43 | .43 | |
| | 17-36 | FSL | 4-18 | 4.5 - 6.5 | 0.6-2 | 0.5-3.0 | .37 | .37 | |
| | 36-46 | UWB | --- | --- | 0.01-20 | --- | --- | --- | |
| Dummerston | 0-4 | FSL | 2-10 | 4.5 - 6.0 | 0.6-2 | 2.0-4.0 | .28 | .28 | 5 |
| | 4-26 | GR-FSL | 2-10 | 4.5 - 6.0 | 0.6-2 | 0.5-3.0 | .17 | .32 | |
| | 26-65 | GR-FSL | 2-10 | 4.5 - 6.0 | 0.6-2 | 0.0-1.0 | .20 | .43 | |

**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) |
|---|---|---|---|---|---|---|---|---|
| Vershire | C | --- | None | | None | | No | 20-40 |
| Dummerston | B | --- | None | | None | | No | --- |

**LAND USE LIMITATIONS**

| Soil name | Land use | Rating | Reason ** |
|---|---|---|---|
| Vershire | Dwellings with basements: | Very limited | Depth to hard bedrock |
| Dummerston | Dwellings with basements: | Somewhat limited | Slope |
| Vershire | Pond reservoir areas: | Very limited | Slope |
| Dummerston | Pond reservoir areas: | Very limited | Slope |

**AGRICULTURAL YIELD DATA**

| Crop name | Yield / acre |
|---|---|
| Corn silage | 15 Tons |
| Grass hay | 3.5 Tons |
| Alfalfa hay | 4 Tons |
| Grass-clover | 5.6 AUM |
| Grass-legume hay | 3.5 Tons |
| Alfalfa hay | 4 Tons |
| Corn silage | 19 Tons |
| Grass hay | 3.5 Tons |
| Grass-clover | 5.6 AUM |
| Irish potatoes | 270 Cwt |
| Grass-legume hay | 3.5 Tons |

**WOODLAND MANAGEMENT**

| Soil name | Management concern | Rating | Reason | Vermont natural communities |
|---|---|---|---|---|
| Vershire | Harvest equip operability: | Well suited | | Northern Hardwood Forest, Mesic Red Oak-Northern Hardwood Forest, Rich Northern Hardwood Forest, |
| Dummerston | Harvest equip operability: | Well suited | | |

| | | | | |
|---|---|---|---|---|
| Vershire | Road suitability: | Moderately suited | Slope | Hemlock Forest, Temperate Acidic Outcrop, Temperate Acidic Cliff, Temperate Calcareous Outcrop, Temperate Calcareous Cliff |
| Dummerston | Road suitability: | Moderately suited | Slope | |
| Vershire | Erosion hazard (off-road): | Moderate | Slope/erodibility | |
| Dummerston | Erosion hazard (off-road): | Slight | | |