

**16B: Dummerston very fine sandy loam, 3 to 8 percent slopes**

The Dummerston component makes up 85 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. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Prime

Land capability: 2 e

Vermont Agricultural Value Group: 3

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ic

This unit is well 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. With moderate permeability and slopes less than 20 percent, there are few limitations.

| 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 |
| Dummerston                       | 0-9        | VFSL            | 1-15       | 5.1 - 6.5          | 0.6-2                | 2.0-6.0              | .37             | .37 | 5 |
|                                  | 9-26       | VFSL            | 1-15       | 5.1 - 6.5          | 0.6-2                | 0.5-2.0              | .55             | .55 |   |
|                                  | 26-65      | VFSL            | 1-15       | 5.6 - 6.5          | 0.6-2                | 0.0-0.5              | .64             | .64 |   |

| 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      |              |                                    |
| Dummerston     | B                | ---                                       | None      |          | None      |               | No           | ---                                |

| LAND USE LIMITATIONS |                           |                  |           | AGRICULTURAL YIELD DATA |              |
|----------------------|---------------------------|------------------|-----------|-------------------------|--------------|
| Soil name            | Land use                  | Rating           | Reason ** | Crop name               | Yield / acre |
| Dummerston           | Dwellings with basements: | Not limited      |           | Corn silage             | 22 Tons      |
| Dummerston           | Pond reservoir areas:     | Somewhat limited | Seepage   | Pasture                 | 11.5 AUM     |
|                      |                           |                  |           | Grass-legume hay        | 4.5 Tons     |

| WOODLAND MANAGEMENT |                            |             |        |  |
|---------------------|----------------------------|-------------|--------|--|
| Soil name           | Management concern         | Rating      | Reason | Vermont natural communities  |
| Dummerston          | Harvest equip operability: | Well suited |        | Northern Hardwood Forest,<br>Mesic Red Oak-Northern Hardwood Forest,<br>Mesic Maple-Ash-Hickory-Oak Forest,<br>Rich Northern Hardwood Forest |
| Dummerston          | Road suitability:          | Well suited |        |  |
| Dummerston          | Erosion hazard (off-road): | Slight      |        |  |