**EaA: Elmwood fine sandy loam, 0 to 3 percent slopes**

The Elmwood component makes up 85 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. This component is on terraces on lake plains. The parent material consists of coarse-loamy glaciolacustrine deposits over clayey glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

| Important farmland classification: Prime | Land capability: 2 w | Vermont Agricultural Value Group: 3 |
|---|---|---|

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIh

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 the seasonal high water table is the primary concern. Mound system construction and other site modifications are often necessary. On sloping sites, curtain drains can help lower the water table to an acceptable level. In some cases, a detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit.

**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 |
|---|---|---|---|---|---|---|---|---|---|
| Elmwood | 0-9 | FSL | 5-10 | 4.5 - 6.0 | 2-6 | 3.0-7.0 | .17 | .17 | 4 |
| | 9-23 | LFS | 5-12 | 5.6 - 6.5 | 2-6 | 0.5-2.0 | .24 | .24 | |
| | 23-65 | C | 35-55 | 6.1 - 7.3 | 0-0.2 | 0.0-0.5 | .24 | .24 | |

**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) |
|---|---|---|---|---|---|---|---|---|
| Elmwood | B | 1.5-3.0 | None | | None | | No | --- |

**LAND USE LIMITATIONS**

| Soil name | Land use | Rating | Reason ** |
|---|---|---|---|
| Elmwood | Dwellings with basements: | Very limited | Depth to saturated zone |
| Elmwood | Pond reservoir areas: | Very limited | Seepage |

**AGRICULTURAL YIELD DATA**

| Crop name | Yield / acre |
|---|---|
| Grass hay | 4 Tons |
| Corn silage | 22 Tons |
| Grass-legume hay | 4 Tons |
| Pasture | 8 AUM |
| Alfalfa hay | 3.5 Tons |

**WOODLAND MANAGEMENT**

| Soil name | Management concern | Rating | Reason | Vermont natural communities |
|---|---|---|---|---|
| Elmwood | Harvest equip operability: | Well suited | | Valley Clay Plain Forest, Mesic Red Oak-Northern Hardwood Forest |
| Elmwood | Road suitability: | Well suited | | |
| Elmwood | Erosion hazard (off-road): | Slight | | |