

MeC: Marlow fine sandy loam, 5 to 20 percent slopes, very stony

The Marlow 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 low. This component is on ridges on glaciated uplands, hills on glaciated uplands. The parent material consists of coarse-loamy basal till. Depth to a root restrictive layer, densic material, is 20 to 40 inches.

Important farmland classification: NPSL

Land capability: 6 s

Vermont Agricultural Value Group: 11

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 | | | | | | | EROSION FACTORS | | |
|----------------------------------|------------|-----------------|------------|--------------------|----------------------|----------------------|-----------------|-----|---|
| Soil name | Depth (In) | Typical texture | Clay (Pct) | Soil reaction (pH) | Permeability (In/Hr) | Organic matter (Pct) | Kw | Kf | T |
| Marlow, very stony | 0-2 | SPM | --- | 3.5 - 5.5 | 1-14 | 35-95 | --- | --- | 3 |
| | 2-5 | FSL | 1-10 | 3.5 - 6.0 | 0.1-14 | 5.0-25 | .28 | .28 | |
| | 5-8 | FSL | 1-10 | 3.5 - 6.0 | 0.1-14 | 1.0-4.0 | .37 | .37 | |
| | 8-15 | FSL | 1-10 | 3.5 - 6.0 | 0.1-14 | 3.0-12 | .28 | .28 | |
| | 15-19 | FSL | 1-10 | 3.5 - 6.0 | 0.1-14 | 1.0-8.0 | .37 | .37 | |
| | 19-33 | GR-FSL | 1-10 | 3.5 - 6.0 | 0.1-14 | 0.5-2.0 | .28 | .43 | |
| | 33-65 | FSL | 1-10 | 3.5 - 6.0 | 0.01-1 | 0.0-1.0 | .49 | .49 | |

| 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 | | |
| Marlow, very stony | C | --- | None | | None | | No | --- |

| LAND USE LIMITATIONS | | | | AGRICULTURAL YIELD DATA | |
|----------------------|---------------------------|------------------|-----------|-------------------------|--------------|
| Soil name | Land use | Rating | Reason ** | Crop name | Yield / acre |
| Marlow, very stony | Dwellings with basements: | Somewhat limited | Slope | Pasture | 3.8 AUM |

| WOODLAND MANAGEMENT | | | | |
|---------------------|----------------------------|-------------------|--------|---|
| Soil name | Management concern | Rating | Reason | Vermont natural communities |
| Marlow | Harvest equip operability: | Well suited | | Northern Hardwood Forest, |
| Marlow | Road suitability: | Moderately suited | Slope | Beech-Red Maple-Hemlock Northern Hardwood Forest Variant, |
| Marlow | Erosion hazard (off-road): | Slight | | Hemlock Forest |