

172F: Taconic-Hubbardton-Rock outcrop complex, 60 to 80 percent slopes

The Taconic component makes up 40 percent of the map unit. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is low. This component is on hills on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches.

The Hubbardton component makes up 30 percent of the map unit. The natural drainage class is excessively drained. Water movement in the most restrictive layer is low. This component is on hills on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer, bedrock, lithic, is 2 to 10 inches.

The Rock outcrop component makes up 20 percent of the map unit. Water movement in the most restrictive layer is low. This component is on hills on glaciated uplands. Depth to a root restrictive layer 0 inches, bedrock, lithic,.

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| Important farmland classification: NPSL | Land capability: 7 s | Vermont Agricultural Value Group: 11 |
|---|----------------------|--------------------------------------|

Vermont Residential Onsite Waste Disposal Group and Subgroup: IVb

This unit is generally not 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. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock.

| 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 |
| Taconic | 0-2 | SPM | --- | 3.2 - 5.7 | 2-6 | 25-95 | --- | --- | 1 |
| | 2-6 | CNV-SIL | 10-27 | 4.5 - 5.5 | 0.6-6 | 2.0-6.0 | .15 | .37 | |
| | 6-16 | CNV-SIL | 10-27 | 4.5 - 5.5 | 0.6-6 | 0.0-1.0 | .17 | .49 | |
| | 16-26 | UWB | --- | --- | 0.01-20 | --- | --- | --- | |
| Hubbardton | 0-2 | MPM | --- | 3.2 - 5.7 | 2-6 | 25-95 | --- | --- | 1 |
| | 2-4 | CNV-VFSL | 3-7 | 4.5 - 5.5 | 0.6-6 | 1.0-4.0 | .20 | .55 | |
| | 4-9 | CNV-VFSL | 3-7 | 4.5 - 5.5 | 0.6-6 | 0.0-1.0 | .24 | .64 | |
| | 9-19 | UWB | --- | --- | 0.01-20 | --- | --- | --- | |
| Rock outcrop | 0-65 | UWB | --- | --- | 0.01-20 | --- | --- | --- | --- |

| 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 | | |
| Taconic | D | --- | None | | None | | No | 10-20 |
| Hubbardton | D | --- | None | | None | | No | 2-10 |
| Rock outcrop | --- | --- | None | | | | Unranked | 0 |

| LAND USE LIMITATIONS | | | | AGRICULTURAL YIELD DATA | |
|----------------------|---------------------------|--------------|-----------|-------------------------|--------------|
| Soil name | Land use | Rating | Reason ** | Crop name | Yield / acre |
| Taconic | Dwellings with basements: | Very limited | Slope | | |
| Hubbardton | Dwellings with basements: | Very limited | Slope | | |
| Taconic | Pond reservoir areas: | Very limited | Slope | | |
| Hubbardton | Pond reservoir areas: | Very limited | Slope | | |

| WOODLAND MANAGEMENT | | | | |
|---------------------|----------------------------|---------------|--------|---|
| Soil name | Management concern | Rating | Reason | Vermont natural communities |
| Taconic | Harvest equip operability: | Poorly suited | Slope | Dry Oak-Hickory-Hophornbeam Forest, Mesic Red Oak-Northern Hardwood Forest, Dry Oak Forest, |
| Hubbardton | Harvest equip operability: | Poorly suited | Slope | |

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|------------|----------------------------|---------------|-------------------|-------------------------------------|
| Taconic | Road suitability: | Poorly suited | Slope | Red Cedar Woodland, |
| Hubbardton | Road suitability: | Poorly suited | Slope | Mesic Maple-Ash-Hickory-Oak Forest, |
| Taconic | Erosion hazard (off-road): | Very severe | Slope/erodibility | Temperate Acidic Outcrop, |
| Hubbardton | Erosion hazard (off-road): | Very severe | Slope/erodibility | Temperate Acidic Cliff, |
| | | | | Dry Oak Woodland |