

**82A: Peacham mucky peat, 0 to 8 percent slopes, extremely bouldery**

The Peacham, undrained component makes up 85 percent of the map unit. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is very low. This component is on glaciated uplands, depressions. The parent material consists of coarse-loamy basal till. Depth to a root restrictive layer, densic material, is 10 to 20 inches.

Important farmland classification: NPSL

Land capability: 7 s

Vermont Agricultural Value Group: 11

Vermont Residential Onsite Waste Disposal Group and Subgroup: IVa

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. Excessive soil wetness in association with the minimal slope is the limiting condition. Prolonged periods of saturation at or near the soil surface do not allow for the proper functioning of septic systems.

| 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 |
| Peacham, extremely bouldery      | 0-2        | MPT             | ---        | 4.5 - 7.3          | 1-14                 | 35-95                | ---             | --- | 1 |
|                                  | 2-10       | MUCK            | ---        | 4.5 - 7.3          | 1-14                 | 35-95                | ---             | --- |   |
|                                  | 10-15      | FSL             | 1-10       | 4.5 - 7.3          | 0.1-14               | 1.0-6.0              | .43             | .43 |   |
|                                  | 15-31      | FSL             | 1-10       | 4.5 - 7.3          | 0.001-0.1            | 0.0-1.0              | .49             | .49 |   |
|                                  | 31-65      | SL              | 1-10       | 4.5 - 7.3          | 0.001-0.1            | 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            |              |                                    |
| Peacham, extremely bouldery | D                | 0.0                                       | None      |          | Frequent  | Long (7 to 30 days) | Yes          | ---                                |

| LAND USE LIMITATIONS        |                           |              |           | AGRICULTURAL YIELD DATA |              |
|-----------------------------|---------------------------|--------------|-----------|-------------------------|--------------|
| Soil name                   | Land use                  | Rating       | Reason ** | Crop name               | Yield / acre |
| Peacham, extremely bouldery | Dwellings with basements: | Very limited | Ponding   |                         |              |

| WOODLAND MANAGEMENT |                            |               |              |   |
|---------------------|----------------------------|---------------|--------------|---|
| Soil name           | Management concern         | Rating        | Reason       | Vermont natural communities   |
| Peacham             | Harvest equip operability: | Poorly suited | Low strength | Red Maple-Black Ash Swamp, Alder Swamp, Spruce-Fir-Tamarack Swamp, Northern White Cedar Swamp |
| Peacham             | Road suitability:          | Poorly suited | Low strength |   |
| Peacham             | Erosion hazard (off-road): | Slight        |              |   |