

**DsE: Dutchess extremely stony loam, 15 to 50 percent slopes**

The Dutchess 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 on glaciated uplands. The parent material consists of coarse-loamy till. Depth to a root restrictive layer is greater than 60 inches.

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

Vermont Residential Onsite Waste Disposal Group and Subgroup: Id

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. Slopes greater than 20 percent in some areas are a concern. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.

| 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 |
| Dutchess                         | 0-4        | L               | 4-10       | 4.5 - 6.0          | 0.6-2                | 3.0-8.0              | .32             | .32 | 5 |
|                                  | 4-26       | L               | 4-10       | 4.5 - 6.0          | 0.6-2                | 0.0-1.0              | .43             | .43 |   |
|                                  | 26-65      | L               | 4-10       | 5.1 - 6.5          | 0.6-2                | 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      |              |                                    |
| Dutchess       | B                | ---                                       | None      |          | None      |               | No           | ---                                |

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

| WOODLAND MANAGEMENT |                            |                   |                   |                                                                               |
|---------------------|----------------------------|-------------------|-------------------|-------------------------------------------------------------------------------|
| Soil name           | Management concern         | Rating            | Reason            | Vermont natural communities                                                   |
| Dutchess            | Harvest equip operability: | Moderately suited | Slope             | Mesic Maple-Ash-Hickory-Oak Forest,<br>Mesic Red Oak-Northern Hardwood Forest |
| Dutchess            | Road suitability:          | Poorly suited     | Slope             |                                                                               |
| Dutchess            | Erosion hazard (off-road): | Moderate          | Slope/erodibility |                                                                               |