

**32D: Colton-Duxbury complex, 15 to 25 percent slopes**

The Colton component makes up 45 percent of the map unit. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. This component is on outwash terraces. The parent material consists of sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

The Duxbury component makes up 35 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is high. This component is on outwash terraces. The parent material consists of sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL

Land capability: 6 e

Vermont Agricultural Value Group: 10

Vermont Residential Onsite Waste Disposal Group and Subgroup: Ib

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. The rapid permeability in the substratum and slopes greater than 20 percent in some areas are concerns. Backfilling absorption trenches with at least one foot of finer textured material or other site modifications may be necessary to slow the percolation rate enough to allow for thorough filtering of effluent. 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 |
| Colton                           | 0-1        | SPM             | ---        | 3.5 - 5.5          | 2-6                  | 35-100               | ---             | --- | 5 |
|                                  | 1-9        | FSL             | 0-7        | 3.5 - 6.0          | 2-100                | 1.0-5.0              | .24             | .24 |   |
|                                  | 9-13       | GRV-LS          | 0-7        | 3.5 - 6.0          | 2-100                | 1.0-4.6              | .10             | .24 |   |
|                                  | 13-22      | GR-COS          | 0-5        | 3.5 - 6.0          | 2-100                | 0.5-3.0              | .02             | .02 |   |
|                                  | 22-65      | GRV-COS         | 0-3        | 4.5 - 6.5          | 20-100               | 0.0-0.5              | .02             | .02 |   |
| Duxbury                          | 0-2        | MPM             | ---        | 3.5 - 5.5          | 2-6                  | 35-100               | ---             | --- | 3 |
|                                  | 2-16       | FSL             | 0-7        | 3.5 - 6.5          | 2-6                  | 1.0-5.0              | .32             | .32 |   |
|                                  | 16-28      | GR-LFS          | 0-7        | 3.5 - 6.5          | 2-6                  | 0.5-2.5              | .20             | .37 |   |
|                                  | 28-65      | GRV-S           | 0-5        | 4.5 - 6.5          | 6-100                | 0.0-0.5              | .02             | .02 |   |

| 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      |              |                                    |
| Colton         | A                | ---                                       | None      |          | None      |               | No           | ---                                |
| Duxbury        | A                | ---                                       | None      |          | None      |               | No           | ---                                |

| LAND USE LIMITATIONS |                           |              |           | AGRICULTURAL YIELD DATA |              |
|----------------------|---------------------------|--------------|-----------|-------------------------|--------------|
| Soil name            | Land use                  | Rating       | Reason ** | Crop name               | Yield / acre |
| Colton               | Dwellings with basements: | Very limited | Slope     | Pasture                 | 8 AUM        |
| Duxbury              | Dwellings with basements: | Very limited | Slope     | Grass-legume hay        | 3 Tons       |
| Colton               | Pond reservoir areas:     | Very limited | Seepage   | Corn silage             | 14 Tons      |
| Duxbury              | Pond reservoir areas:     | Very limited | Seepage   | Pasture                 | 8 AUM        |
|                      |                           |              |           | Grass-legume hay        | 3 Tons       |
|                      |                           |              |           | Corn silage             | 14 Tons      |

| WOODLAND MANAGEMENT |                            |                   |        |                                                                                                                                                                                    |
|---------------------|----------------------------|-------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Soil name           | Management concern         | Rating            | Reason | Vermont natural communities                                                                                                                                                        |
| Colton              | Harvest equip operability: | Moderately suited | Slope  | Hemlock-Northern Hardwood Forest, Hemlock-White Pine-Northern Hardwood Forest Variant, Lowland Spruce-Fir Forest, well drained phase, White Pine-Northern Hardwood Forest Variant, |
| Duxbury             | Harvest equip operability: | Moderately suited | Slope  |                                                                                                                                                                                    |
| Colton              | Road suitability:          | Poorly suited     | Slope  |                                                                                                                                                                                    |

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|         |                            |               |                   |                             |
|---------|----------------------------|---------------|-------------------|-----------------------------|
| Duxbury | Road suitability:          | Poorly suited | Slope             | Hemlock Forest,             |
| Colton  | Erosion hazard (off-road): | Moderate      | Slope/erodibility | Red Pine Forest or Woodland |
| Duxbury | Erosion hazard (off-road): | Moderate      | Slope/erodibility |                             |