

**Lk: Livingston silty clay, occasionally flooded**

The Livingston 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 terraces on lake plains. The parent material consists of clayey glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

|                                         |                      |                                      |
|-----------------------------------------|----------------------|--------------------------------------|
| Important farmland classification: NPSL | Land capability: 5 w | Vermont Agricultural Value Group: 10 |
|-----------------------------------------|----------------------|--------------------------------------|

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 |
| Livingston                       | 0-9        | SIC             | 35-90      | 5.1 - 7.3          | 0.2-0.6              | 4.0-16               | .49             | .49 | 2 |
|                                  | 9-27       | C               | 60-90      | 5.1 - 7.3          | 0-0.2                | 0.0-2.0              | .49             | .49 |   |
|                                  | 27-65      | C               | 60-90      | 7.4 - 8.4          | 0-0.2                | 0.0-0.5              | .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      |              |                                    |
| Livingston     | C/D              | 0.0-0.5                                   | Occasional | Long (7 to 30 days) | None      |               | Yes          | ---                                |

| LAND USE LIMITATIONS |                           |              |           | AGRICULTURAL YIELD DATA |              |
|----------------------|---------------------------|--------------|-----------|-------------------------|--------------|
| Soil name            | Land use                  | Rating       | Reason ** | Crop name               | Yield / acre |
| Livingston           | Dwellings with basements: | Very limited | Flooding  | Pasture                 | 2.5 AUM      |
| Livingston           | Pond reservoir areas:     | Not limited  |           |                         |              |

| WOODLAND MANAGEMENT |                            |               |              |                                                                      |
|---------------------|----------------------------|---------------|--------------|----------------------------------------------------------------------|
| Soil name           | Management concern         | Rating        | Reason       | Vermont natural communities                                          |
| Livingston          | Harvest equip operability: | Poorly suited | Low strength | Wet Clayplain Forest Variant, Alder Swamp, Red Maple-Black Ash Swamp |
| Livingston          | Road suitability:          | Poorly suited | Low strength |                                                                      |
| Livingston          | Erosion hazard (off-road): | Slight        |              |                                                                      |