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| **Parent Material** | Redox Features | | Soil  Series | 1st Horizon | | | | | 2nd horizon | | | | | 3rd Horizon | | | | |
|  | Class | Depth |  | Hor | pH | Depth (in) | color | Text. | Hor | pH | Depth (in) | color | Text. | Hor | pH | Depth (in) | color | Text. |
| Glacial Lacustrian | very poorly & poorly | 0-6 in  &  6-12 in | Canandaigua | Ap | neutral | 8 | 10YR 3/1 | SiL | Bg1 | neutral | 12 | 10YR 6/2 | SiL | Bg2 | neutral | 19 | 10YR 6/1 | SiL |
| outwash | Exc. Well  drained | >52 | Chenango | Ap | Mod Acid | 8 | 10YR  3/2 | Gr SiL | Bw1 | Str Acid | 12 | 10YR  4/4 | Gr  SiL | Bw2 | Str  Acid | 20 | 10YR  4/4 |  |
| Glacial Lacustrian | Mod well | 16- 28 in | Hudson | Ap | Slightly acidic | 5 | 10YR 4/3 | SiL | E | Slightly acid | 8 | 10YR 5/3 | SiL | B/E | neutral | 16 | 10YR 5/4 | SiC |
| Loamy till | Somewhat poorly drained | 12-20in | Erie | Ap | Strong to slightly | 9 | 10YR 3/2 | SiL | E | Mod acid | 13 | 2.5Y 6/2 | SiL | Bx1 | Slightly acid | 27 | 10YR 4/3 | SiL |
| Till | Mod well | 20-32in | Langford | Ap | Strongly acid | 9 | 10YR 4/2 | SiL | Bw1 | Strong acid | 15 | 10YR 5/4 | SiL | Bw2 | Strong acid | 21 | 10YR 5/4 | SiL |
| Lacustrian | Poorly drained | 6-12in | Madalin | Ap | Slightly | 6 | 10YR 3/1 | SiCL | Btg1 | Slightly acid | 11 | 10YR 4/3 | SiC | Btg2 | Slightly acid | 20 | 10YR 4/2 | SiC |
| Lacustrian | Somewhat  Poorly drained | 12 -20 | Rhinebeck | Ap | neutral | 9 | 10YR  3/2 | SiL | Eg | neutral | 14 | 10YR  5/2 | SiC | Bt1 | neutral | 23 | 2.5Y  5/3 | SiC |
| Till  (lateral  Moraine) | Well drained | 32 - 42 | Valois | Ap | Str acid | 7 | 10YR  4/3 | Gr.  loam | Bw1 | Str acid | 30 | 7.5YR  5/6 | Gr.  Loam | Bw2 | Str  acid | 47 | 10YR  4/3 | Gr.  SiL |
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