

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 1A         | Fluvaquents-Udifluvents complex, 0 to 3 percent slopes, frequently flooded | Very limited | Fluvaquents, frequently flooded 45%<br>Flooding<br>Depth to saturated zone<br>Udifluvents, frequently flooded 40%<br>Flooding<br>Depth to saturated zone<br>Cobble content<br>Wayland 10%<br>Flooding<br>Depth to saturated zone<br>Slow water movement<br>Naples Creek 5%<br>Depth to saturated zone<br>Slow water movement<br>Flooding |
| 2A         | Geneseo silty clay loam, 0 to 3 percent slopes                             | Very limited | Geneseo 90%<br>Slow water movement<br>Depth to saturated zone<br>Flooding<br>Naples Creek 10%<br>Depth to saturated zone<br>Slow water movement<br>Flooding  |
| 3A         | Hemlock silty clay loam, 0 to 3 percent slopes                             | Very limited | Hemlock 90%<br>Slow water movement<br>Depth to saturated zone<br>Flooding<br>Naples Creek 10%<br>Depth to saturated zone<br>Slow water movement<br>Flooding  |
| 4A         | Naples Creek silty clay loam, 0 to 3 percent slopes                        | Very limited | Naples Creek 90%<br>Depth to saturated zone<br>Slow water movement<br>Flooding<br>Wayland 5%<br>Flooding<br>Depth to saturated zone<br>Slow water movement<br>Hemlock 5%<br>Slow water movement<br>Depth to saturated zone<br>Flooding   |
| 5A         | Wayland soils complex, 0 to 3 percent slopes, frequently flooded           | Very limited | Wayland 60%<br>Flooding<br>Depth to saturated zone<br>Slow water movement<br>Wayland, very poorly drained 30%<br>Ponding<br>Flooding<br>Depth to saturated zone<br>Slow water movement<br>Wakeville 10%<br>Depth to saturated zone<br>Slow water movement<br>Flooding  |

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|------------|---|--------------|--|
| 12D        | Rockrift channery silt loam, 15 to 25 percent slopes    | Very limited | Rockrift 85%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Mongaup, very stony 10%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Willdin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content |
| 13F        | Rock outcrop-Arnot complex, 25 to 70 percent slopes     | Not rated    | Rock outcrop 55%   |
| 14D        | Cadosia channery silt loam, 15 to 25 percent slopes     | Very limited | Cadosia 85%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Lordstown, very stony 10%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Mardin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content                   |
| 15A        | Guyanoga channery silt loam, fan, 0 to 3 percent slopes | Very limited | Guyanoga, fan 90%<br>Depth to saturated zone<br>Slow water movement<br>Cobble content<br>Chenango, fan 5%<br>Depth to saturated zone<br>Slow water movement<br>Hemlock 5%<br>Slow water movement<br>Depth to saturated zone<br>Flooding                                |
| 15B        | Guyanoga channery silt loam, fan, 3 to 8 percent slopes | Very limited | Guyanoga, fan 90%<br>Depth to saturated zone<br>Slow water movement<br>Cobble content<br>Slope<br>Hemlock 5%<br>Slow water movement<br>Depth to saturated zone<br>Flooding<br>Chenango, fan 5%<br>Depth to saturated zone<br>Slow water movement<br>Slope              |

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|------------|---|--------------|---|
| 16A        | Almond channery silt loam, 0 to 3 percent slopes  | Very limited | Almond 80%<br>Slow water movement<br>Depth to saturated zone<br>Norchip 8%<br>Slow water movement<br>Depth to saturated zone<br>Ontusia 7%<br>Slow water movement<br>Depth to saturated zone<br>Gretor 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Cobble content  |
| 16B        | Almond channery silt loam, 3 to 8 percent slopes  | Very limited | Almond 80%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Gretor 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Salamanca 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Ontusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Norchip 5%<br>Slow water movement<br>Depth to saturated zone |
| 16C        | Almond channery silt loam, 8 to 15 percent slopes | Very limited | Almond 80%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Ontusia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Norchip 5%<br>Slow water movement<br>Depth to saturated zone<br>Salamanca 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Gretor 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content |

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|------------|---|------------------|---|
| 18A        | Homer fine sandy loam, 0 to 3 percent slopes  | Very limited     | Homer 90%<br>Depth to saturated zone<br>Slow water movement<br>Fine-loamy, mixed, active, mesic Typic Argiaquolls 5%<br>Depth to saturated zone<br>Slow water movement<br>Phelps 5%<br>Depth to saturated zone<br>Slow water movement   |
| 19A        | Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes              | Very limited     | Fine-loamy, mixed, active, mesic Typic Argiaquolls 80%<br>Ponding<br>Depth to saturated zone<br>Slow water movement<br>Homer 8%<br>Depth to saturated zone<br>Slow water movement<br>Atherton 7%<br>Depth to saturated zone<br>Slow water movement<br>Palms, undrained 5%<br>Ponding<br>Slow water movement<br>Depth to saturated zone  |
| 20A        | Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes | Very limited     | Atherton 41%<br>Depth to saturated zone<br>Slow water movement<br>Fine-loamy, mixed, active, mesic Typic Argiaquolls 39%<br>Ponding<br>Depth to saturated zone<br>Slow water movement<br>Homer 8%<br>Depth to saturated zone<br>Slow water movement<br>Canandaigua 7%<br>Slow water movement<br>Depth to saturated zone<br>Castile 5%<br>Depth to saturated zone<br>Slow water movement |
| 24A        | Howard gravelly loam, 0 to 3 percent slopes   | Somewhat limited | Howard 80%<br>Slow water movement<br>Arkport 5%<br>Slow water movement  |
| 24B        | Howard gravelly loam, 3 to 8 percent slopes   | Somewhat limited | Howard 80%<br>Slow water movement<br>Slope<br>Arkport 5%<br>Slope<br>Slow water movement  |

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|------------|---|------------------|--|
| 24C        | Howard gravelly loam, 8 to 15 percent slopes    | Very limited     | Howard 80%<br>Slope<br>Slow water movement<br>Palmyra 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Phelps 5%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Arkport 5%<br>Slope<br>Slow water movement  |
| 24D        | Howard soils, 15 to 25 percent slopes           | Very limited     | Howard 65%<br>Slope<br>Slow water movement<br>Palmyra 20%<br>Slope<br>Slow water movement<br>Cobble content<br>Arkport 13%<br>Slope<br>Slow water movement<br>Phelps 2%<br>Depth to saturated zone<br>Slow water movement<br>Slope |
| 25A        | Chenango gravelly loam, 0 to 3 percent slopes   | Somewhat limited | Chenango 90%<br>Slow water movement  |
| 25B        | Chenango gravelly loam, 3 to 8 percent slopes   | Somewhat limited | Chenango 90%<br>Slow water movement<br>Slope   |
| 25C        | Chenango gravelly loam, 8 to 15 percent slopes  | Very limited     | Chenango 90%<br>Slope<br>Slow water movement<br>Valois 5%<br>Slope<br>Slow water movement<br>Castile 5%<br>Slope<br>Depth to saturated zone<br>Slow water movement   |
| 25D        | Chenango gravelly loam, 15 to 25 percent slopes | Very limited     | Chenango 90%<br>Slope<br>Slow water movement<br>Castile 8%<br>Slope<br>Depth to saturated zone<br>Slow water movement<br>Valois 2%<br>Slope<br>Slow water movement   |
| 25E        | Chenango gravelly loam, 25 to 35 percent slopes | Very limited     | Chenango 90%<br>Slope<br>Slow water movement<br>Valois 10%<br>Slope<br>Slow water movement   |

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|------------|--|--------------|--|
| 26B        | Chenango channery loam, fan, 3 to 8 percent slopes | Very limited | Chenango, fan 85%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Castile 5%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Hemlock 5%<br>Slow water movement<br>Depth to saturated zone<br>Flooding<br>Guyanoga, fan 5%<br>Depth to saturated zone<br>Slow water movement<br>Cobble content<br>Slope |
| 27B        | Castile gravelly silt loam, 3 to 8 percent slopes  | Very limited | Castile 85%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Homer 5%<br>Depth to saturated zone<br>Slow water movement<br>Phelps 5%<br>Depth to saturated zone<br>Slow water movement<br>Slope   |
| 31A        | Collamer silt loam, 0 to 3 percent slopes          | Very limited | Collamer 85%<br>Depth to saturated zone<br>Slow water movement<br>Niagara 10%<br>Depth to saturated zone<br>Slow water movement<br>Schoharie 5%<br>Slow water movement<br>Depth to saturated zone  |
| 31B        | Collamer silt loam, 3 to 8 percent slopes          | Very limited | Collamer 85%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Niagara 10%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Schoharie 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope   |
| 31C        | Collamer silt loam, 8 to 15 percent slopes         | Very limited | Collamer 85%<br>Slope<br>Depth to saturated zone<br>Slow water movement<br>Niagara 10%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Schoharie 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone   |

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|------------|--|--------------|---|
| 31D        | Collamer silt loam, 15 to 25 percent slopes    | Very limited | Collamer 90%<br>Slope<br>Depth to saturated zone<br>Slow water movement<br>Schoharie 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Niagara 5%<br>Slope<br>Depth to saturated zone<br>Slow water movement |
| 32A        | Dunkirk fine sandy loam, 0 to 3 percent slopes | Very limited | Dunkirk 90%<br>Slow water movement<br>Schoharie 3%<br>Slow water movement<br>Depth to saturated zone<br>Niagara 3%<br>Depth to saturated zone<br>Slow water movement  |
| 32B        | Dunkirk fine sandy loam, 3 to 8 percent slopes | Very limited | Dunkirk 90%<br>Slow water movement<br>Slope<br>Schoharie 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Niagara 3%<br>Depth to saturated zone<br>Slow water movement<br>Slope                             |
| 33A        | Dunkirk silt loam, 0 to 3 percent slopes       | Very limited | Dunkirk 90%<br>Slow water movement<br>Niagara 3%<br>Depth to saturated zone<br>Slow water movement<br>Schoharie 3%<br>Slow water movement<br>Depth to saturated zone  |
| 33B        | Dunkirk silt loam, 3 to 8 percent slopes       | Very limited | Dunkirk 90%<br>Slow water movement<br>Slope<br>Schoharie 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Niagara 3%<br>Depth to saturated zone<br>Slow water movement<br>Slope                             |

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|------------|---|--------------|--|
| 33C        | Dunkirk silt loam, 8 to 15 percent slopes       | Very limited | Dunkirk 90%<br>Slope<br>Slow water movement<br>Arkport 4%<br>Slope<br>Slow water movement<br>Schoharie 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Niagara 3%<br>Depth to saturated zone<br>Slow water movement<br>Slope  |
| 33D        | Dunkirk silt loam, 15 to 25 percent slopes      | Very limited | Dunkirk 90%<br>Slope<br>Slow water movement<br>Schoharie 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Arkport 5%<br>Slope<br>Slow water movement   |
| 33E        | Dunkirk silt loam, 25 to 35 percent slopes      | Very limited | Dunkirk 90%<br>Slope<br>Slow water movement<br>Schoharie 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Arkport 5%<br>Slope<br>Slow water movement   |
| 34A        | Lakemont silty clay loam, 0 to 3 percent slopes | Very limited | Lakemont 85%<br>Slow water movement<br>Depth to saturated zone<br>Odessa 5%<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 4%<br>Slow water movement<br>Depth to saturated zone<br>Fonda 4%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Barre 2%<br>Slow water movement<br>Depth to saturated zone |



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|------------|--|--------------|--|
| 35A        | Odessa silt loam, 0 to 3 percent slopes          | Very limited | Odessa 85%<br>Slow water movement<br>Depth to saturated zone<br>Lakemont 5%<br>Slow water movement<br>Depth to saturated zone<br>Schoharie 5%<br>Slow water movement<br>Depth to saturated zone<br>Churchville 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Rhinebeck 2%<br>Slow water movement<br>Depth to saturated zone                                     |
| 35B        | Odessa silty clay loam, 3 to 8 percent slopes    | Very limited | Odessa 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Schoharie 6%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lakemont 4%<br>Slow water movement<br>Depth to saturated zone<br>Churchville 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Rhinebeck 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope |
| 36A        | Schoharie silty clay loam, 0 to 3 percent slopes | Very limited | Schoharie 85%<br>Slow water movement<br>Depth to saturated zone<br>Odessa 5%<br>Slow water movement<br>Depth to saturated zone<br>Cazenovia 5%<br>Slow water movement<br>Depth to saturated zone<br>Cayuga 3%<br>Slow water movement<br>Depth to saturated zone<br>Collamer 2%<br>Slow water movement<br>Depth to saturated zone   |

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|------------|--|--------------|---|
| 36B        | Schoharie silty clay loam, 3 to 8 percent slopes   | Very limited | Schoharie 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cazenovia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Odessa 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cayuga 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Collamer 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope |
| 36C        | Schoharie silty clay loam, 8 to 15 percent slopes  | Very limited | Schoharie 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Odessa 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cazenovia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cayuga 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Collamer 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone |
| 36D        | Schoharie silty clay loam, 15 to 25 percent slopes | Very limited | Schoharie 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Odessa 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cazenovia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cayuga 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Collamer 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone |

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|------------|--|--------------|---|
| 36E        | Schoharie silty clay loam, 25 to 45 percent slopes | Very limited | Schoharie 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cazenovia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Odessa 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cayuga 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Collamer 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone |
| 37A        | Schoharie silt loam, 0 to 3 percent slopes         | Very limited | Schoharie 85%<br>Slow water movement<br>Depth to saturated zone<br>Odessa 5%<br>Slow water movement<br>Depth to saturated zone<br>Cazenovia 5%<br>Slow water movement<br>Depth to saturated zone<br>Cayuga 3%<br>Slow water movement<br>Depth to saturated zone<br>Collamer 2%<br>Slow water movement<br>Depth to saturated zone  |
| 37B        | Schoharie silt loam, 3 to 8 percent slopes         | Very limited | Schoharie 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Odessa 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cazenovia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cayuga 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Collamer 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope |

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| 38A        | Niagara silt loam, 0 to 3 percent slopes         | Very limited | Niagara 85%<br>Depth to saturated zone<br>Slow water movement<br>Canandaigua 5%<br>Slow water movement<br>Depth to saturated zone<br>Rhinebeck 5%<br>Slow water movement<br>Depth to saturated zone<br>Collamer 5%<br>Depth to saturated zone<br>Slow water movement                                     |
| 38B        | Niagara silt loam, 3 to 8 percent slopes         | Very limited | Niagara 85%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Canandaigua 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Rhinebeck 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Collamer 5%<br>Depth to saturated zone<br>Slow water movement<br>Slope |
| 39A        | Rhinebeck silty clay loam, 0 to 3 percent slopes | Very limited | Rhinebeck 90%<br>Slow water movement<br>Depth to saturated zone<br>Lakemont 5%<br>Slow water movement<br>Depth to saturated zone<br>Niagara 5%<br>Depth to saturated zone<br>Slow water movement   |
| 41A        | Aeric Epiaquepts, 0 to 3 percent slopes          | Very limited | Aeric Epiaquepts 50%<br>Slow water movement<br>Depth to saturated zone<br>Aeric Epiaquepts 45%<br>Slow water movement<br>Depth to saturated zone<br>Elnora 5%<br>Depth to saturated zone<br>Slow water movement  |
| 43A        | Canandaigua silt loam, 0 to 3 percent slopes     | Very limited | Canandaigua 90%<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 4%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Lakemont 3%<br>Slow water movement<br>Depth to saturated zone<br>Niagara 3%<br>Depth to saturated zone<br>Slow water movement                        |

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| 44A        | Canandaigua mucky silt loam, 0 to 3 percent slopes | Very limited     | Canandaigua 90%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 5%<br>Slow water movement<br>Depth to saturated zone<br>Lakemont 3%<br>Slow water movement<br>Depth to saturated zone<br>Palms, undrained 2%<br>Ponding<br>Slow water movement<br>Depth to saturated zone |
| 45A        | Fonda mucky silt loam, 0 to 3 percent slopes       | Very limited     | Fonda 95%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 3%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Palms, undrained 2%<br>Ponding<br>Slow water movement<br>Depth to saturated zone   |
| 46A        | Galen fine sandy loam, 0 to 3 percent slopes       | Very limited     | Galen 90%<br>Depth to saturated zone<br>Slow water movement<br>Aeric Epiaquepts 5%<br>Slow water movement<br>Depth to saturated zone<br>Kendaia 5%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock   |
| 46B        | Galen fine sandy loam, 3 to 8 percent slopes       | Very limited     | Galen 90%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Aeric Epiaquepts 5%<br>Slow water movement<br>Depth to saturated zone<br>Kendaia 5%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope   |
| 48A        | Arkport fine sandy loam, 0 to 3 percent slopes     | Somewhat limited | Arkport 95%<br>Slow water movement  |
| 48B        | Arkport fine sandy loam, 3 to 8 percent slopes     | Somewhat limited | Arkport 95%<br>Slow water movement<br>Slope   |

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| 48C        | Arkport fine sandy loam, 8 to 15 percent slopes  | Very limited     | Arkport 95%<br>Slope<br>Slow water movement<br>Dunkirk 3%<br>Slope<br>Slow water movement<br>Galen 2%<br>Depth to saturated zone<br>Slope<br>Slow water movement |
| 48D        | Arkport fine sandy loam, 15 to 25 percent slopes | Very limited     | Arkport 90%<br>Slope<br>Slow water movement<br>Dunkirk 8%<br>Slope<br>Slow water movement<br>Palmyra 2%<br>Slope<br>Slow water movement                          |
| 49B        | Arkport loamy fine sand, 3 to 8 percent slopes   | Somewhat limited | Arkport 95%<br>Slow water movement<br>Slope  |
| 49D        | Arkport loamy fine sand, 15 to 25 percent slopes | Very limited     | Arkport 95%<br>Slope<br>Slow water movement<br>Dunkirk 3%<br>Slope<br>Slow water movement<br>Palmyra 2%<br>Slope<br>Slow water movement                          |
| 49E        | Arkport loamy fine sand, 25 to 35 percent slopes | Very limited     | Arkport 90%<br>Slope<br>Slow water movement<br>Dunkirk 8%<br>Slope<br>Slow water movement<br>Palmyra 2%<br>Slope<br>Slow water movement                          |
| 49F        | Arkport loamy fine sand, 35 to 55 percent slopes | Very limited     | Arkport 90%<br>Slope<br>Slow water movement<br>Dunkirk 8%<br>Slope<br>Slow water movement<br>Palmyra 2%<br>Slope<br>Slow water movement                          |
| 50B        | Dunkirk-Arkport complex, 3 to 8 percent slopes   | Very limited     | Dunkirk 50%<br>Slow water movement<br>Slope<br>Collamer 5%<br>Depth to saturated zone<br>Slow water movement<br>Slope  |

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Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                       | Rating           | Component name and % composition<br>Rating reasons   |
|------------|---|------------------|--|
| 50C        | Dunkirk-Arkport complex, 8 to 15 percent slopes     | Very limited     | Dunkirk 60%<br>Slope<br>Slow water movement<br>Arkport 35%<br>Slope<br>Slow water movement<br>Collamer 5%<br>Slope<br>Depth to saturated zone<br>Slow water movement   |
| 50D        | Dunkirk-Arkport complex, 15 to 25 percent slopes    | Very limited     | Dunkirk 60%<br>Slope<br>Slow water movement<br>Arkport 35%<br>Slope<br>Slow water movement<br>Collamer 5%<br>Slope<br>Depth to saturated zone<br>Slow water movement   |
| 53A        | Lamson fine sandy loam, 0 to 3 percent slopes       | Very limited     | Lamson 90%<br>Depth to saturated zone<br>Slow water movement<br>Lamson 5%<br>Ponding<br>Depth to saturated zone<br>Slow water movement<br>Canandaigua 3%<br>Slow water movement<br>Depth to saturated zone<br>Galen 2%<br>Depth to saturated zone<br>Slow water movement |
| 54A        | Lamson mucky fine sandy loam, 0 to 3 percent slopes | Very limited     | Lamson 90%<br>Ponding<br>Depth to saturated zone<br>Slow water movement<br>Canandaigua 5%<br>Slow water movement<br>Depth to saturated zone<br>Lamson 5%<br>Depth to saturated zone<br>Slow water movement   |
| 56A        | Elnora loamy fine sand, 0 to 3 percent slopes       | Very limited     | Elnora 90%<br>Depth to saturated zone<br>Slow water movement<br>Aeric Epiaquepts 10%<br>Slow water movement<br>Depth to saturated zone   |
| 58B        | Colonie loamy fine sand, 3 to 8 percent slopes      | Somewhat limited | Colonie 95%<br>Slope   |
| 58C        | Colonie loamy fine sand, 8 to 15 percent slopes     | Very limited     | Colonie 95%<br>Slope<br>Elnora 5%<br>Depth to saturated zone<br>Slope<br>Slow water movement   |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                      | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 62B        | Mardin channery silt loam, 3 to 8 percent slopes   | Very limited | Mardin 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Too acid<br>Bath 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Lordstown 5%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Cobble content<br>Volusia 5%<br>Slow water movement<br>Depth to saturated zone          |
| 62C        | Mardin channery silt loam, 8 to 15 percent slopes  | Very limited | Mardin 88%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid<br>Bath 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Volusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lordstown 2%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content |
| 62D        | Mardin channery silt loam, 15 to 25 percent slopes | Very limited | Mardin 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid<br>Bath 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Lordstown 5%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Volusia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone |



# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name                                       | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 62E        | Mardin channery silt loam, 25 to 35 percent slopes  | Very limited | Mardin 80%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid<br>Bath 8%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Lordstown, very stony 7%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Stone content<br>Cobble content<br>Volusia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone |
| 63B        | Langford channery silt loam, 3 to 8 percent slopes  | Very limited | Langford 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Erie 10%<br>Slow water movement<br>Depth to saturated zone<br>Schuyler 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content   |
| 63C        | Langford channery silt loam, 8 to 15 percent slopes | Very limited | Langford 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Erie 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Chadakoin 5%<br>Slope<br>Slow water movement<br>Schuyler 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content   |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

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| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 63D        | Langford channery silt loam, 15 to 25 percent slopes     | Very limited | Langford 80%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Chadakoin 5%<br>Slope<br>Slow water movement<br>Schuyler 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Towerville 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Erie 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone |
| 64B        | Langford-Erie channery silt loams, 3 to 8 percent slopes | Very limited | Langford 50%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Erie 40%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Chippewa 5%<br>Slow water movement<br>Depth to saturated zone<br>Fremont 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope  |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

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| Map symbol | Map unit name                                     | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 66A        | Lyons soils, 0 to 3 percent slopes                | Very limited | Lyons 75%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lyons, frequently ponded 15%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Canandaigua 3%<br>Slow water movement<br>Depth to saturated zone<br>Appleton 3%<br>Slow water movement<br>Depth to saturated zone<br>Kendaia 2%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Ilion 1%<br>Slow water movement<br>Depth to saturated zone<br>Palms, undrained 1%<br>Ponding<br>Depth to saturated zone<br>Slow water movement |
| 68A        | Volusia channery silt loam, 0 to 3 percent slopes | Very limited | Volusia 90%<br>Slow water movement<br>Depth to saturated zone<br>Chippewa 5%<br>Slow water movement<br>Depth to saturated zone<br>Mardin 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Too acid  |
| 68B        | Volusia channery silt loam, 3 to 8 percent slopes | Very limited | Volusia 90%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Chippewa 5%<br>Slow water movement<br>Depth to saturated zone<br>Mardin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid   |

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Aggregation Method: Dominant Component  
Tie-break Rule: Higher

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Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                       | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 68C        | Volusia channery silt loam, 8 to 15 percent slopes  | Very limited | Volusia 90%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Mardin 6%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid<br>Chippewa 4%<br>Slow water movement<br>Depth to saturated zone<br>Slope                                   |
| 68D        | Volusia channery silt loam, 15 to 25 percent slopes | Very limited | Volusia 90%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Mardin 7%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid<br>Chippewa 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope                                   |
| 69A        | Erie channery silt loam, 0 to 3 percent slopes      | Very limited | Erie 80%<br>Slow water movement<br>Depth to saturated zone<br>Chippewa 10%<br>Slow water movement<br>Depth to saturated zone<br>Langford 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Fremont 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope          |
| 69B        | Erie channery silt loam, 3 to 8 percent slopes      | Very limited | Erie 80%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Langford 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Fremont 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Chippewa 5%<br>Slow water movement<br>Depth to saturated zone |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                   | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 69C        | Erie channery silt loam, 8 to 15 percent slopes | Very limited | Erie 80%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Langford 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Chippewa 5%<br>Slow water movement<br>Depth to saturated zone<br>Fremont 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone |
| 71A        | Darien silt loam, 0 to 3 percent slopes         | Very limited | Darien 95%<br>Slow water movement<br>Depth to saturated zone<br>Ilion 4%<br>Slow water movement<br>Depth to saturated zone<br>Angola 1%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock  |
| 71B        | Darien silt loam, 3 to 8 percent slopes         | Very limited | Darien 95%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Ilion 4%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Angola 1%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope   |
| 71C        | Darien silt loam, 8 to 15 percent slopes        | Very limited | Darien 95%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Ilion 4%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Angola 1%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |
| 72A        | Darien-Ilion silt loams, 0 to 3 percent slopes  | Very limited | Darien 68%<br>Slow water movement<br>Depth to saturated zone<br>Ilion 27%<br>Slow water movement<br>Depth to saturated zone<br>Angola 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |

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| Map symbol | Map unit name                                      | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 72B        | Darien-Ilion silt loams, 3 to 8 percent slopes     | Very limited | Darien 68%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Ilion 27%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Angola 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope   |
| 73B        | Gretor silt loam, 3 to 8 percent slopes            | Very limited | Gretor 95%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Gretor, poorly drained 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope   |
| 73C        | Gretor silt loam, 8 to 15 percent slopes           | Very limited | Gretor 95%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Gretor, poorly drained 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope   |
| 73D        | Gretor channery silt loam, 15 to 25 percent slopes | Very limited | Gretor 90%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Mongaup, very stony 8%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Gretor, poorly drained 2%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope |
| 76B        | Orpark silt loam, 3 to 8 percent slopes            | Very limited | Orpark 95%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Orpark, poorly drained 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope   |

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| Map symbol | Map unit name                                      | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 76C        | Orpark silt loam, 8 to 15 percent slopes           | Very limited | Orpark 95%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Orpark, poorly drained 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope   |
| 76D        | Orpark channery silt loam, 15 to 25 percent slopes | Very limited | Orpark 90%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Orpark, poorly drained 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Lordstown, very stony 5%<br>Slope<br>Slow water movement<br>Depth to bedrock |
| 77A        | Chippewa silt loam, 0 to 3 percent slopes          | Very limited | Chippewa 85%<br>Slow water movement<br>Depth to saturated zone<br>Chippewa, very poorly drained 10%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Volusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope   |
| 77B        | Chippewa silt loam, 3 to 8 percent slopes          | Very limited | Chippewa 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Volusia 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Chippewa, very poorly drained 5%<br>Ponding<br>Slow water movement<br>Depth to saturated zone                                    |
| 82B        | Manlius channery silt loam, 3 to 8 percent slopes  | Very limited | Manlius 95%<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Slope<br>Too acid<br>Gretor 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope   |

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Aggregation Method: Dominant Component  
Tie-break Rule: Higher

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| Map symbol | Map unit name                                       | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 82C        | Manlius channery silt loam, 8 to 15 percent slopes  | Very limited | Manlius 95%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Too acid<br>Gretor 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |
| 82D        | Manlius channery silt loam, 15 to 25 percent slopes | Very limited | Manlius 95%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Too acid<br>Arnot, very stony 4%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Gretor 1%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |
| 91A        | Palms muck, 0 to 3 percent slopes                   | Very limited | Palms, undrained 55%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Palms, drained 40%<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 5%<br>Ponding<br>Slow water movement<br>Depth to saturated zone  |
| 92A        | Carlisle muck, 0 to 3 percent slopes                | Very limited | Carlisle, undrained 45%<br>Ponding<br>Depth to saturated zone<br>Slow water movement<br>Carlisle, drained 40%<br>Depth to saturated zone<br>Slow water movement<br>Palms, undrained 10%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 5%<br>Ponding<br>Slow water movement<br>Depth to saturated zone |



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| Map symbol | Map unit name                              | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 93A        | Edwards muck, 0 to 3 percent slopes        | Very limited | Edwards, undrained 50%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Edwards, drained 35%<br>Slow water movement<br>Depth to saturated zone<br>Martisco, undrained 10%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 5%<br>Ponding<br>Slow water movement<br>Depth to saturated zone                                      |
| 94A        | Martisco muck, 0 to 3 percent slopes       | Very limited | Martisco, undrained 55%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Martisco, drained 35%<br>Slow water movement<br>Depth to saturated zone<br>Palms, drained 5%<br>Slow water movement<br>Depth to saturated zone<br>Canandaigua 5%<br>Ponding<br>Slow water movement<br>Depth to saturated zone   |
| 95A        | Saprists, 0 to 3 percent slopes, inundated | Very limited | Saprists, inundated 85%<br>Ponding<br>Depth to saturated zone<br>Slow water movement<br>Palms, undrained 5%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Fluvaquents, frequently flooded 5%<br>Flooding<br>Depth to saturated zone<br>Carlisle, undrained 5%<br>Ponding<br>Depth to saturated zone<br>Slow water movement                              |
| 101A       | Honeoye loam, 0 to 3 percent slopes        | Very limited | Honeoye 85%<br>Slow water movement<br>Seepage, porous bedrock<br>Lima 5%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lansing 4%<br>Slow water movement<br>Seepage, porous bedrock<br>Wassaic 2%<br>Depth to bedrock<br>Slow water movement |

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| Map symbol | Map unit name                        | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--------------------------------------|--------------|--|
| 101B       | Honeoye loam, 3 to 8 percent slopes  | Very limited | Honeoye 85%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Lima 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock<br>Lansing 4%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock<br>Wassaic 2%<br>Depth to bedrock<br>Slow water movement<br>Slope |
| 101C       | Honeoye loam, 8 to 15 percent slopes | Very limited | Honeoye 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Lima 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lansing 4%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Wassaic 2%<br>Slope<br>Depth to bedrock<br>Slow water movement |

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| Map symbol | Map unit name   | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 101D       | Honeoye loam, 15 to 25 percent slopes                   | Very limited | Honeoye 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Lima 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lansing 4%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Wassaic 2%<br>Slope<br>Depth to bedrock<br>Slow water movement |
| 101E       | Honeoye loam, 25 to 35 percent slopes                   | Very limited | Honeoye 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Lima 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lansing 4%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Wassaic 2%<br>Slope<br>Depth to bedrock<br>Slow water movement |
| 104A       | Honeoye loam, 0 to 3 percent slopes, lower clay surface | Very limited | Honeoye, lower clay surface 85%<br>Slow water movement<br>Seepage, porous bedrock<br>Lima 5%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lansing 4%<br>Slow water movement<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Wassaic 2%<br>Depth to bedrock<br>Slow water movement                          |

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| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 104B       | Honeoye loam, 3 to 8 percent slopes, lower clay surface  | Very limited | Honeoye, lower clay surface 85%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Lima 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock<br>Lansing 4%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock<br>Wassaic 2%<br>Depth to bedrock<br>Slow water movement<br>Slope |
| 104C       | Honeoye loam, 8 to 15 percent slopes, lower clay surface | Very limited | Honeoye, lower clay surface 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Lima 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lansing 4%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Kendaia 4%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Wassaic 2%<br>Slope<br>Depth to bedrock<br>Slow water movement |

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Tie-break Rule: Higher

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| Map symbol | Map unit name                                  | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 106B       | Danley-Lansing complex, 3 to 8 percent slopes  | Very limited | Danley 50%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lansing 45%<br>Slow water movement<br>Seepage, porous bedrock<br>Slope<br>Conesus 2%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Appleton 1%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Palatine 1%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Kendaia 1%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope |
| 107B       | Conesus-Lansing complex, 3 to 8 percent slopes | Very limited | Conesus 50%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Lansing 45%<br>Slow water movement<br>Seepage, porous bedrock<br>Slope<br>Kendaia 2%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Appleton 1%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Palatine 1%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Danley 1%<br>Slow water movement<br>Depth to saturated zone<br>Slope |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                         | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---------------------------------------|--------------|--|
| 108C       | Lansing loam, 8 to 15 percent slopes  | Very limited | Lansing 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Conesus 8%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Kendaia 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Wassaic 1%<br>Slope<br>Depth to bedrock<br>Slow water movement<br>Danley 1%<br>Slope<br>Slow water movement<br>Depth to saturated zone |
| 108D       | Lansing loam, 15 to 25 percent slopes | Very limited | Lansing 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Conesus 9%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Wassaic 3%<br>Slope<br>Depth to bedrock<br>Slow water movement<br>Kendaia 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock<br>Appleton 1%<br>Slow water movement<br>Depth to saturated zone<br>Slope   |
| 108E       | Lansing loam, 25 to 35 percent slopes | Very limited | Lansing 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Aurora 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                   | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 112B       | Ontario fine sandy loam, 3 to 8 percent slopes  | Very limited | Ontario 85%<br>Slow water movement<br>Seepage, porous bedrock<br>Slope<br>Honeoye 5%<br>Slow water movement<br>Seepage, porous bedrock<br>Slope<br>Hilton 5%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Cazenovia 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Appleton 2%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope |
| 112C       | Ontario fine sandy loam, 8 to 15 percent slopes | Very limited | Ontario 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Hilton 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                    | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 112D       | Ontario fine sandy loam, 15 to 25 percent slopes | Very limited | Ontario 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Hilton 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock |
| 112E       | Ontario fine sandy loam, 25 to 35 percent slopes | Very limited | Ontario 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Honeoye 5%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Hilton 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock |



## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                 | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 114B       | Ontario gravelly loam, 3 to 8 percent slopes  | Very limited | Ontario 85%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Hilton 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock<br>Cazenovia 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Appleton 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock |
| 114C       | Ontario gravelly loam, 8 to 15 percent slopes | Very limited | Ontario 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Hilton 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                  | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 114D       | Ontario gravelly loam, 15 to 25 percent slopes | Very limited | Ontario 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Hilton 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock |
| 116B       | Ontario loam, 3 to 8 percent slopes            | Very limited | Ontario 85%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Hilton 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock<br>Cazenovia 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Appleton 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Seepage, porous bedrock |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 116C       | Ontario loam, 8 to 15 percent slopes                         | Very limited | Ontario 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Hilton 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock |
| 116D       | Ontario loam, 15 to 25 percent slopes                        | Very limited | Ontario 85%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Cazenovia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Hilton 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Appleton 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock |
| 118F       | Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes | Very limited | Ontario 40%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Honeoye 35%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Lansing 20%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Aurora 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                      | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 120E       | Palmyra and Howard soils, 25 to 45 percent slopes  | Very limited | Palmyra 55%<br>Slope<br>Slow water movement<br>Cobble content<br>Howard 40%<br>Slope<br>Slow water movement<br>Colonie 5%<br>Slope       |
| 122A       | Palmyra cobbly loam, 0 to 3 percent slopes         | Very limited | Palmyra 95%<br>Slow water movement<br>Honeoye, lower clay surface 5%<br>Slow water movement<br>Seepage, porous bedrock                   |
| 122B       | Palmyra cobbly loam, 3 to 8 percent slopes         | Very limited | Palmyra 95%<br>Slow water movement<br>Slope<br>Honeoye, lower clay surface 5%<br>Slow water movement<br>Slope<br>Seepage, porous bedrock |
| 124A       | Palmyra fine sandy loam, 0 to 3 percent slopes     | Very limited | Palmyra 90%<br>Slow water movement   |
| 124B       | Palmyra fine sandy loam, 3 to 8 percent slopes     | Very limited | Palmyra 90%<br>Slow water movement<br>Slope  |
| 126A       | Palmyra gravelly loam, 0 to 3 percent slopes       | Very limited | Palmyra 95%<br>Slow water movement<br>Cobble content   |
| 126B       | Palmyra gravelly loam, 3 to 8 percent slopes       | Very limited | Palmyra 95%<br>Slow water movement<br>Slope<br>Cobble content  |
| 126C       | Palmyra gravelly loam, 8 to 15 percent slopes      | Very limited | Palmyra 90%<br>Slope<br>Slow water movement<br>Cobble content<br>Arkport 10%<br>Slope<br>Slow water movement                             |
| 126D       | Palmyra gravelly loam, 15 to 25 percent slopes     | Very limited | Palmyra 90%<br>Slope<br>Slow water movement<br>Cobble content<br>Arkport 10%<br>Slope<br>Slow water movement                             |
| 128A       | Palmyra gravelly sandy loam, 0 to 3 percent slopes | Very limited | Palmyra 90%<br>Slow water movement<br>Cobble content   |
| 128B       | Palmyra gravelly sandy loam, 3 to 8 percent slopes | Very limited | Palmyra 90%<br>Slow water movement<br>Slope<br>Cobble content  |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                       | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 128C       | Palmyra gravelly sandy loam, 8 to 15 percent slopes | Very limited | Palmyra 90%<br>Slope<br>Slow water movement<br>Cobble content<br>Arkport 10%<br>Slope<br>Slow water movement   |
| 130A       | Farmington loam, 0 to 3 percent slopes              | Very limited | Farmington 90%<br>Slow water movement<br>Depth to bedrock<br>Nuhi 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Galoo 5%<br>Slow water movement<br>Depth to bedrock                            |
| 130B       | Farmington loam, 3 to 8 percent slopes              | Very limited | Farmington 90%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Nuhi 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Galoo 5%<br>Slow water movement<br>Depth to bedrock<br>Slope |
| 132A       | Galoo loam, 0 to 3 percent slopes, rocky            | Very limited | Galoo 95%<br>Slow water movement<br>Depth to bedrock<br>Nuhi 4%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock  |
| 132B       | Galoo loam, 3 to 8 percent slopes, rocky            | Very limited | Galoo 95%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Nuhi 4%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |
| 134A       | Camillus silt loam, 0 to 3 percent slopes           | Very limited | Camillus 95%<br>Slow water movement<br>Depth to bedrock<br>Angola 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                   | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 134B       | Camillus silt loam, 3 to 8 percent slopes       | Very limited | Camillus 95%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Angola 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope  |
| 151C       | Willdin-Norchip complex, 3 to 15 percent slopes | Very limited | Willdin 60%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Norchip 38%<br>Slow water movement<br>Depth to saturated zone<br>Palms, undrained 2%<br>Ponding<br>Slow water movement<br>Depth to saturated zone   |
| 152B       | Valois gravelly loam, 3 to 8 percent slopes     | Very limited | Valois 85%<br>Slow water movement<br>Slope<br>Volusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Cadosia 5%<br>Slow water movement<br>Slope<br>Cobble content<br>Too acid<br>Mardin 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content          |
| 152C       | Valois gravelly loam, 8 to 15 percent slopes    | Very limited | Valois 85%<br>Slope<br>Slow water movement<br>Cadosia 5%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Mardin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Volusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                     | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 152D       | Valois gravelly loam, 15 to 25 percent slopes     | Very limited | Valois 85%<br>Slope<br>Slow water movement<br>Mardin 6%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Cadosia 6%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Volusia 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone   |
| 152E       | Valois gravelly loam, 25 to 35 percent slopes     | Very limited | Valois 85%<br>Slope<br>Slow water movement<br>Mardin 6%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Cadosia 6%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Towerville, extremely stony 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content |
| 153B       | Valois gravelly loam, cool, 3 to 8 percent slopes | Very limited | Valois, cool 85%<br>Slow water movement<br>Slope<br>Willdin 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Ontusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Rockrift 5%<br>Slow water movement<br>Cobble content<br>Slope<br>Too acid  |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                       | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 153C       | Valois gravelly loam, cool, 8 to 15 percent slopes  | Very limited | Valois, cool 85%<br>Slope<br>Slow water movement<br>Ontusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Willdin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Rockrift 5%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid                                      |
| 153D       | Valois gravelly loam, cool, 15 to 25 percent slopes | Very limited | Valois, cool 85%<br>Slope<br>Slow water movement<br>Willdin 6%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Rockrift 6%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Ontusia 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone                                      |
| 153E       | Valois gravelly loam, cool, 25 to 35 percent slopes | Very limited | Valois, cool 85%<br>Slope<br>Slow water movement<br>Willdin 6%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Rockrift 6%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Ischua 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content |



# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                       | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 162B       | Willdin channery silt loam, 3 to 8 percent slopes   | Very limited | Willdin 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Ontusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Middlebrook 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Lewbath 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content          |
| 162C       | Willdin channery silt loam, 8 to 15 percent slopes  | Very limited | Willdin 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Lewbath 6%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Ontusia 6%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Middlebrook 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock |
| 162D       | Willdin channery silt loam, 15 to 25 percent slopes | Very limited | Willdin 80%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Lewbath 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Mongaup 5%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Ontusia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone             |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name                                       | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 168A       | Ontusia channery silt loam, 0 to 3 percent slopes   | Very limited | Ontusia 88%<br>Slow water movement<br>Depth to saturated zone<br>Willdin 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Norchip 5%<br>Slow water movement<br>Depth to saturated zone<br>Greter 2%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content |
| 168B       | Ontusia channery silt loam, 3 to 8 percent slopes   | Very limited | Ontusia 90%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Norchip 5%<br>Slow water movement<br>Depth to saturated zone<br>Willdin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content   |
| 168C       | Ontusia channery silt loam, 8 to 15 percent slopes  | Very limited | Ontusia 90%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Willdin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Norchip 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope  |
| 168D       | Ontusia channery silt loam, 15 to 25 percent slopes | Very limited | Ontusia 90%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Willdin 7%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Norchip 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope  |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 171C       | Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes, very stony | Very limited | Lordstown, very stony 40%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Towerville, very stony 20%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Manlius, very stony 20%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Cadosia, very stony 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Stone content<br>Mardin, very stony 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid<br>Arnot, very stony 5%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content |

## Disposal of Wastewater by Rapid Infiltration

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Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name   | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 171D       | Lordstown-Manlius-Towerville complex, 15 to 25 percent slopes, very stony | Very limited | Lordstown, very stony 40%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Manlius, very stony 20%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Towerville, very stony 20%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Cadosia, very stony 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Stone content<br>Arnot, very stony 5%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Mardin 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

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| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons   |
|------------|--|--------------|--|
| 171E       | Lordstown-Manlius-Towerville complex, 25 to 35 percent slopes, extremely stony | Very limited | Lordstown, extremely stony 40%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Manlius, extremely stony 20%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Towerville, extremely stony 20%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Cadosia, extremely stony 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Stone content<br>Mardin, extremely stony 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Too acid<br>Arnot, very stony 5%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content |
| 171F       | Lordstown-Manlius-Towerville complex, 35 to 80 percent slopes, extremely stony | Very limited | Lordstown, extremely stony 40%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Towerville, extremely stony 20%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Manlius, extremely stony 20%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Arnot, extremely stony 10%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Cadosia, extremely stony 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Stone content  |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                 | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 177A       | Norchip silt loam, 0 to 3 percent slopes      | Very limited | Norchip 85%<br>Slow water movement<br>Depth to saturated zone<br>Norchip, very poorly drained 10%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Ontusia 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope   |
| 177B       | Norchip silt loam, 3 to 8 percent slopes      | Very limited | Norchip 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Norchip, very poorly drained 10%<br>Ponding<br>Slow water movement<br>Depth to saturated zone<br>Ontusia 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone  |
| 181B       | Mongaup-Ischua complex, 3 to 8 percent slopes | Very limited | Mongaup 45%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Cobble content<br>Ischua 40%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Cobble content<br>Rockrift 10%<br>Slow water movement<br>Cobble content<br>Slope<br>Too acid<br>Willdin 3%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Greter 2%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name   | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 181C       | Mongaup-Ischua complex, 8 to 15 percent slopes              | Very limited | Mongaup 45%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Ischua 40%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Rockrift 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Willdin 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Greter 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock                         |
| 181D       | Mongaup-Ischua complex, 15 to 25 percent slopes, very stony | Very limited | Mongaup, very stony 45%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Ischua, very stony 40%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Rockrift 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Willdin 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Greter 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 181E       | Mongaup-Ischua complex, 25 to 35 percent slopes, extremely stony | Very limited | Mongaup, extremely stony 45%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Ischua, extremely stony 40%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Rockrift 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Willdin 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Greter 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock |
| 182B       | Mongaup channery loam, 3 to 8 percent slopes                     | Very limited | Mongaup 75%<br>Slow water movement<br>Depth to bedrock<br>Slope<br>Cobble content<br>Rockrift 10%<br>Slow water movement<br>Cobble content<br>Slope<br>Too acid<br>Willdin 8%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cobble content<br>Ischua 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Cobble content<br>Greter 2%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope                                    |



## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                                 | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 182C       | Mongaup channery loam, 8 to 15 percent slopes | Very limited | Mongaup 75%<br>Slope<br>Slow water movement<br>Depth to bedrock<br>Cobble content<br>Rockrift 10%<br>Slope<br>Slow water movement<br>Cobble content<br>Too acid<br>Willdin 8%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cobble content<br>Ischua 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Cobble content<br>Greter 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock                                    |
| 201A       | Lima loam, 0 to 3 percent slopes              | Very limited | Lima 85%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slow water movement<br>Seepage, porous bedrock<br>Kendaia 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Appleton 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lyons 2%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Cazenovia 2%<br>Slow water movement<br>Depth to saturated zone |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                     | Rating       | Component name and % composition<br>Rating reasons  |
|------------|-----------------------------------|--------------|---|
| 201B       | Lima loam, 3 to 8 percent slopes  | Very limited | Lima 85%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Honeoye 6%<br>Slow water movement<br>Seepage, porous bedrock<br>Slope<br>Appleton 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Kendaia 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Cazenovia 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lyons 1%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope |
| 201C       | Lima loam, 8 to 15 percent slopes | Very limited | Lima 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Honeoye 7%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Appleton 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Kendaia 3%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Cazenovia 2%<br>Slope<br>Slow water movement<br>Depth to saturated zone   |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name  | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 204A       | Lima loam, 0 to 3 percent slopes, lower clay surface | Very limited | Lima 85%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Honeoye 5%<br>Slow water movement<br>Seepage, porous bedrock<br>Kendaia 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Appleton 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Cazenovia 2%<br>Slow water movement<br>Depth to saturated zone<br>Lyons 2%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock   |
| 204B       | Lima loam, 3 to 8 percent slopes, lower clay surface | Very limited | Lima 85%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Honeoye 6%<br>Slow water movement<br>Seepage, porous bedrock<br>Slope<br>Appleton 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Kendaia 3%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Cazenovia 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lyons 1%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope |
| 210A       | Phelps gravelly silt loam, 0 to 3 percent slopes     | Very limited | Phelps 85%<br>Depth to saturated zone<br>Slow water movement<br>Galen 10%<br>Depth to saturated zone<br>Slow water movement<br>Homer 5%<br>Depth to saturated zone<br>Slow water movement   |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name                                    | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 210B       | Phelps gravelly silt loam, 3 to 8 percent slopes | Very limited | Phelps 85%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Galen 10%<br>Depth to saturated zone<br>Slow water movement<br>Slope<br>Homer 5%<br>Depth to saturated zone<br>Slow water movement<br>Slope  |
| 212A       | Nuhi silt loam, 0 to 3 percent slopes            | Very limited | Nuhi 85%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Farmington 10%<br>Slow water movement<br>Depth to bedrock<br>Nuhi, poorly drained 5%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock  |
| 240B       | Aurora-Angola silt loams, 3 to 8 percent slopes  | Very limited | Aurora 60%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Angola 30%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Danley 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Darrien 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope |
| 240C       | Aurora-Angola silt loams, 8 to 15 percent slopes | Very limited | Aurora 60%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Angola 30%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Darrien 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Danley 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name                                     | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 240D       | Aurora-Angola silt loams, 15 to 25 percent slopes | Very limited | Aurora 60%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Angola 30%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Danley 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Darien 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone |
| 241B       | Aurora silt loam, 3 to 8 percent slopes           | Very limited | Aurora 85%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Angola 10%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Slope<br>Danley 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope   |
| 241C       | Aurora silt loam, 8 to 15 percent slopes          | Very limited | Aurora 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Angola 8%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Danley 7%<br>Slope<br>Slow water movement<br>Depth to saturated zone  |
| 241D       | Aurora silt loam, 15 to 25 percent slopes         | Very limited | Aurora 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Danley 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Angola 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock   |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name                                | Rating       | Component name and % composition<br>Rating reasons  |
|------------|--|--------------|---|
| 255B       | Cazenovia silt loam, 3 to 8 percent slopes   | Very limited | Cazenovia 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Ovid 10%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Cayuga 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope   |
| 255C       | Cazenovia silt loam, 8 to 15 percent slopes  | Very limited | Cazenovia 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cayuga 8%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Ovid 7%<br>Slow water movement<br>Depth to saturated zone<br>Slope    |
| 255D       | Cazenovia silt loam, 15 to 25 percent slopes | Very limited | Cazenovia 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Cayuga 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Ovid 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone   |
| 260B       | Cayuga silt loam, 3 to 8 percent slopes      | Very limited | Cayuga 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Schoharie 10%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Odessa 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope |
| 260C       | Cayuga silt loam, 8 to 15 percent slopes     | Very limited | Cayuga 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Schoharie 10%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Odessa 5%<br>Slow water movement<br>Depth to saturated zone<br>Slope |

# Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 22 - 09/12/2022

| Map symbol | Map unit name                             | Rating       | Component name and % composition<br>Rating reasons  |
|------------|---|--------------|---|
| 260D       | Cayuga silt loam, 15 to 25 percent slopes | Very limited | Cayuga 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Lansing 10%<br>Slope<br>Slow water movement<br>Seepage, porous bedrock<br>Schoharie 5%<br>Slope<br>Slow water movement<br>Depth to saturated zone  |
| 304A       | Kendaia loam, 0 to 3 percent slopes       | Very limited | Kendaia 85%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lima 6%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Lyons 5%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Ovid 2%<br>Slow water movement<br>Depth to saturated zone<br>Churchville 2%<br>Slow water movement<br>Depth to saturated zone  |
| 304B       | Kendaia loam, 3 to 8 percent slopes       | Very limited | Kendaia 85%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Lima 7%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Lyons 4%<br>Slow water movement<br>Depth to saturated zone<br>Seepage, porous bedrock<br>Slope<br>Ovid 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Churchville 2%<br>Slow water movement<br>Depth to saturated zone<br>Slope |

## Disposal of Wastewater by Rapid Infiltration

Aggregation Method: Dominant Component  
Tie-break Rule: Higher

Ontario County, New York  
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| Map symbol | Map unit name   | Rating       | Component name and % composition<br>Rating reasons   |
|------------|---|--------------|--|
| 342A       | Angola silt loam, 0 to 3 percent slopes               | Very limited | Angola 90%<br>Slow water movement<br>Depth to saturated zone<br>Depth to bedrock<br>Darrien 5%<br>Slow water movement<br>Depth to saturated zone<br>Ilion 5%<br>Slow water movement<br>Depth to saturated zone |
| 356A       | Ovid silt loam, 0 to 3 percent slopes                 | Very limited | Ovid 85%<br>Slow water movement<br>Depth to saturated zone<br>Odessa 10%<br>Slow water movement<br>Depth to saturated zone<br>Lakemont 5%<br>Slow water movement<br>Depth to saturated zone                    |
| 356B       | Ovid silt loam, 3 to 8 percent slopes                 | Very limited | Ovid 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Odessa 10%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lakemont 5%<br>Slow water movement<br>Depth to saturated zone  |
| 357B       | Ovid silty clay loam, 3 to 8 percent slopes           | Very limited | Ovid 85%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Odessa 10%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lakemont 5%<br>Slow water movement<br>Depth to saturated zone  |
| 357C       | Ovid silty clay loam, 8 to 15 percent slopes          | Very limited | Ovid 85%<br>Slope<br>Slow water movement<br>Depth to saturated zone<br>Odessa 10%<br>Slow water movement<br>Depth to saturated zone<br>Slope<br>Lakemont 5%<br>Slow water movement<br>Depth to saturated zone  |
| 400A       | Udorthents, loamy, 0 to 3 percent slopes              | Not limited  | Udorthents, loamy 80%  |
| 401D       | Udorthents, refuse substratum. 0 to 25 percent slopes | Not rated    | Udorthents, refuse substratum 90%  |
| PG         | Pits, gravel and sand                                 | Not rated    | Pits, gravel and sand 75%  |
| PQ         | Pits, quarry  | Not rated    | Pits, quarry 80%   |
| W          | Water   | Not rated    | Water 100%   |



# Disposal of Wastewater by Rapid Infiltration

## Rating Options

Attribute Name: Disposal of Wastewater by Rapid Infiltration

Rapid infiltration of wastewater is a process in which wastewater applied in a level basin at a rate of 4 to 120 inches per week percolates through the soil. The wastewater may eventually reach the ground water. The application rate commonly exceeds the rate needed for irrigation of cropland. Vegetation is not a necessary part of the treatment; thus, the basins may or may not be vegetated. The thickness of the soil material needed for proper treatment of the wastewater is more than 72 inches. As a result, geologic and hydrologic investigation is needed to ensure proper design and performance and to determine the risk of ground-water pollution.

Soil properties are important considerations in areas where soils are used as sites for the treatment and disposal of organic waste and wastewater. Selection of soils with properties that favor waste management can help to prevent environmental damage.

Municipal wastewater is the waste stream from a municipality. It contains domestic waste and may contain industrial waste. It may have received primary or secondary treatment. It is rarely untreated sewage. Food-processing wastewater results from the preparation of fruits, vegetables, milk, cheese, and meats for public consumption. In places it is high in content of sodium and chloride. The effluent in lagoons and storage ponds is from facilities used to treat or store food-processing wastewater or domestic or animal waste. Domestic and food-processing wastewater is very dilute, and the effluent from the facilities that treat or store it commonly is very low in content of carbonaceous and nitrogenous material; the content of nitrogen commonly ranges from 10 to 30 milligrams per liter. The wastewater from animal waste treatment lagoons or storage ponds, however, has much higher concentrations of these materials, mainly because the manure has not been diluted as much as the domestic waste. The content of nitrogen in this wastewater generally ranges from 50 to 2,000 milligrams per liter. When wastewater is applied, checks should be made to ensure that nitrogen, heavy metals, and salts are not added in excessive amounts.

The ratings are based on the soil properties that affect the risk of pollution and the design, construction, and performance of the system. Depth to a water table, ponding, flooding, and depth to bedrock or a cemented pan affect the risk of pollution and the design and construction of the system. Slope, stones, and cobbles also affect design and construction. Saturated hydraulic conductivity (Ksat) and reaction affect performance. Permanently frozen soils are unsuitable for waste treatment.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect agricultural waste management. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Aggregation Method: Dominant Component

Aggregation is the process by which a set of component attribute values is reduced to a single value to represent the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. The components in the map unit name represent the major soils within a map unit delineation. Minor components make up the balance of the map unit. Great differences in soil properties can occur between map unit components and within short distances. Minor components may be very different from the major components. Such differences could significantly affect use and management of the map unit. Minor components may or may not be documented in the database. The results of aggregation do not reflect the presence or absence of limitations of the components which are not listed in the database. An on-site investigation is required to identify the location of individual map unit components.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents

## Disposal of Wastewater by Rapid Infiltration

the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be generated. Aggregation must be done because, on any soil map, map units are delineated but components are not.

The aggregation method "Dominant Component" returns the attribute value associated with the component with the highest percent composition in the map unit. If more than one component shares the highest percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher attribute value should be returned in the case of a percent composition tie. The result returned by this aggregation method may or may not represent the dominant condition throughout the map unit.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.