

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

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

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12D	Rockrift channery silt loam, 15 to 25 percent slopes	Very limited	Rockrift 85% Too steep for surface application Too steep for sprinkler application Too acid Cobble content Mongaup, very stony 10% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Willdin 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid
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% Too steep for surface application Too steep for sprinkler application Too acid Cobble content Lordstown, very stony 10% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Mardin 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid
15A	Guyanoga channery silt loam, fan, 0 to 3 percent slopes	Somewhat limited	Guyanoga, fan 90% Too acid Droughty
15B	Guyanoga channery silt loam, fan, 3 to 8 percent slopes	Somewhat limited	Guyanoga, fan 90% Too acid Too steep for surface application Droughty

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16A	Almond channery silt loam, 0 to 3 percent slopes	Very limited	Almond 80% Slow water movement Depth to saturated zone Too acid Norchip 8% Slow water movement Depth to saturated zone Droughty Too acid Ontusia 7% Slow water movement Depth to saturated zone Droughty Too acid Gretor 5% Depth to saturated zone Slow water movement Too acid Depth to bedrock Droughty
16B	Almond channery silt loam, 3 to 8 percent slopes	Very limited	Almond 80% Slow water movement Depth to saturated zone Too acid Too steep for surface application Gretor 5% Depth to saturated zone Too steep for surface application Slow water movement Too acid Depth to bedrock Salamanca 5% Depth to saturated zone Too steep for surface application Slow water movement Too acid Too steep for sprinkler application Ontusia 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Norchip 5% Slow water movement Depth to saturated zone Droughty Too acid

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16C	Almond channery silt loam, 8 to 15 percent slopes	Very limited	Almond 80% Slow water movement Depth to saturated zone Too steep for surface application Too acid Too steep for sprinkler application Salamanca 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Slow water movement Norchip 5% Slow water movement Depth to saturated zone Droughty Too acid Ontusia 5% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Greter 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid
18A	Homer fine sandy loam, 0 to 3 percent slopes	Very limited	Homer 90% Filtering capacity Depth to saturated zone Phelps 5% Depth to saturated zone Droughty Fine-loamy, mixed, active, mesic Typic Argiaquolls 5% Depth to saturated zone
19A	Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Fine-loamy, mixed, active, mesic Typic Argiaquolls 80% Ponding Depth to saturated zone Homer 8% Filtering capacity Depth to saturated zone Atherton 7% Depth to saturated zone Too acid Palms, undrained 5% Ponding Depth to saturated zone

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20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Atherton 41% Depth to saturated zone Too acid Fine-loamy, mixed, active, mesic Typic Argiaquolls 39% Ponding Depth to saturated zone Homer 8% Filtering capacity Depth to saturated zone Canandaigua 7% Depth to saturated zone Slow water movement Castile 5% Filtering capacity Depth to saturated zone Too acid Droughty
24A	Howard gravelly loam, 0 to 3 percent slopes	Very limited	Howard 80% Filtering capacity Too acid Droughty Palmyra 10% Filtering capacity Droughty Phelps 5% Depth to saturated zone Droughty
24B	Howard gravelly loam, 3 to 8 percent slopes	Very limited	Howard 80% Filtering capacity Too steep for surface application Too acid Droughty Palmyra 10% Filtering capacity Too steep for surface application Phelps 5% Depth to saturated zone Too steep for surface application Droughty
24C	Howard gravelly loam, 8 to 15 percent slopes	Very limited	Howard 80% Filtering capacity Too steep for surface application Too acid Too steep for sprinkler application Droughty Palmyra 10% Filtering capacity Too steep for surface application Too steep for sprinkler application Arkport 5% Too steep for surface application Too steep for sprinkler application Phelps 5% Depth to saturated zone Too steep for surface application Droughty

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24D	Howard soils, 15 to 25 percent slopes	Very limited	Howard 65% Filtering capacity Too steep for surface application Too steep for sprinkler application Too acid Droughty Palmyra 20% Filtering capacity Too steep for surface application Too steep for sprinkler application Arkport 13% Too steep for surface application Too steep for sprinkler application Phelps 2% Depth to saturated zone Too steep for surface application Droughty
25A	Chenango gravelly loam, 0 to 3 percent slopes	Very limited	Chenango 90% Filtering capacity Too acid Droughty Castile 8% Filtering capacity Depth to saturated zone Too acid Droughty
25B	Chenango gravelly loam, 3 to 8 percent slopes	Very limited	Chenango 90% Filtering capacity Too acid Too steep for surface application Droughty Castile 5% Filtering capacity Depth to saturated zone Too acid Too steep for surface application Droughty
25C	Chenango gravelly loam, 8 to 15 percent slopes	Very limited	Chenango 90% Filtering capacity Too steep for surface application Too acid Droughty Too steep for sprinkler application Castile 5% Filtering capacity Depth to saturated zone Too steep for surface application Too acid Too steep for sprinkler application Valois 5% Too steep for surface application Too acid Too steep for sprinkler application

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
25D	Chenango gravelly loam, 15 to 25 percent slopes	Very limited	Chenango 90% Filtering capacity Too steep for surface application Too steep for sprinkler application Too acid Droughty Castile 8% Filtering capacity Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Valois 2% Too steep for surface application Too steep for sprinkler application Too acid
25E	Chenango gravelly loam, 25 to 35 percent slopes	Very limited	Chenango 90% Filtering capacity Too steep for surface application Too steep for sprinkler application Too acid Droughty Valois 10% Too steep for surface application Too steep for sprinkler application Too acid
26B	Chenango channery loam, fan, 3 to 8 percent slopes	Very limited	Chenango, fan 85% Filtering capacity Too steep for surface application Droughty Too acid Castile 5% Filtering capacity Depth to saturated zone Too acid Too steep for surface application Droughty Hemlock 5% Depth to saturated zone Slow water movement Flooding
27B	Castile gravelly silt loam, 3 to 8 percent slopes	Very limited	Castile 85% Filtering capacity Depth to saturated zone Too acid Too steep for surface application Droughty Phelps 5% Depth to saturated zone Too steep for surface application Droughty Chenango 5% Filtering capacity Too acid Too steep for surface application Droughty Homer 5% Filtering capacity Depth to saturated zone

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
31A	Collamer silt loam, 0 to 3 percent slopes	Very limited	Collamer 85% Depth to saturated zone Slow water movement Niagara 10% Depth to saturated zone Slow water movement Schoharie 5% Depth to saturated zone Slow water movement
31B	Collamer silt loam, 3 to 8 percent slopes	Very limited	Collamer 85% Depth to saturated zone Too steep for surface application Slow water movement Niagara 10% Depth to saturated zone Too steep for surface application Slow water movement Schoharie 5% Depth to saturated zone Slow water movement Too steep for surface application
31C	Collamer silt loam, 8 to 15 percent slopes	Very limited	Collamer 85% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Niagara 10% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Schoharie 5% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application
31D	Collamer silt loam, 15 to 25 percent slopes	Very limited	Collamer 90% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Schoharie 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Niagara 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement
32A	Dunkirk fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Slow water movement
32B	Dunkirk fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Too steep for surface application Slow water movement Arkport 4% Too steep for surface application
33A	Dunkirk silt loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Slow water movement



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33B	Dunkirk silt loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Slow water movement Too steep for surface application Too steep for sprinkler application Arkport 4% Too steep for surface application Too steep for sprinkler application
33C	Dunkirk silt loam, 8 to 15 percent slopes	Very limited	Dunkirk 90% Too steep for surface application Slow water movement Too steep for sprinkler application Arkport 4% Too steep for surface application Too steep for sprinkler application Schoharie 3% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Niagara 3% Depth to saturated zone Slow water movement Too steep for surface application
33D	Dunkirk silt loam, 15 to 25 percent slopes	Very limited	Dunkirk 90% Too steep for surface application Too steep for sprinkler application Slow water movement Schoharie 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Arkport 5% Too steep for surface application Too steep for sprinkler application
33E	Dunkirk silt loam, 25 to 35 percent slopes	Very limited	Dunkirk 90% Too steep for surface application Too steep for sprinkler application Slow water movement Schoharie 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Arkport 5% Too steep for surface application Too steep for sprinkler application

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34A	Lakemont silty clay loam, 0 to 3 percent slopes	Very limited	Lakemont 85% Slow water movement Depth to saturated zone Odessa 5% Slow water movement Depth to saturated zone Too acid Fonda 4% Ponding Depth to saturated zone Slow water movement Canandaigua 4% Depth to saturated zone Slow water movement Barre 2% Depth to saturated zone Slow water movement Too acid
35A	Odessa silt loam, 0 to 3 percent slopes	Very limited	Odessa 85% Slow water movement Depth to saturated zone Too acid Lakemont 5% Slow water movement Depth to saturated zone Schoharie 5% Slow water movement Depth to saturated zone Churchville 3% Depth to saturated zone Droughty Slow water movement Seepage, porous bedrock Rhinebeck 2% Depth to saturated zone Slow water movement
35B	Odessa silty clay loam, 3 to 8 percent slopes	Very limited	Odessa 85% Slow water movement Depth to saturated zone Too steep for surface application Too acid Schoharie 6% Slow water movement Depth to saturated zone Too steep for surface application Lakemont 4% Slow water movement Depth to saturated zone Churchville 3% Depth to saturated zone Droughty Slow water movement Too steep for surface application Seepage, porous bedrock Rhinebeck 2% Depth to saturated zone Slow water movement Too steep for surface application

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36A	Schoharie silty clay loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Slow water movement Depth to saturated zone Cazenovia 5% Slow water movement Depth to saturated zone Odessa 5% Slow water movement Depth to saturated zone Too acid Cayuga 3% Slow water movement Depth to saturated zone Collamer 2% Depth to saturated zone Slow water movement Too acid
36B	Schoharie silty clay loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Slow water movement Depth to saturated zone Too steep for surface application Cazenovia 5% Slow water movement Depth to saturated zone Too steep for surface application Odessa 5% Slow water movement Depth to saturated zone Too steep for surface application Too acid Cayuga 3% Slow water movement Depth to saturated zone Too steep for surface application Collamer 2% Depth to saturated zone Too steep for surface application Slow water movement Too acid

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36C	Schoharie silty clay loam, 8 to 15 percent slopes	Very limited	Schoharie 85% Slow water movement Too steep for surface application Depth to saturated zone Too steep for sprinkler application Cazenovia 5% Too steep for surface application Slow water movement Depth to saturated zone Too steep for sprinkler application Odessa 5% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Cayuga 3% Too steep for surface application Slow water movement Depth to saturated zone Too steep for sprinkler application Collamer 2% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Too acid
36D	Schoharie silty clay loam, 15 to 25 percent slopes	Very limited	Schoharie 85% Slow water movement Too steep for surface application Too steep for sprinkler application Depth to saturated zone Cazenovia 5% Too steep for surface application Too steep for sprinkler application Slow water movement Depth to saturated zone Odessa 5% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Cayuga 3% Too steep for surface application Too steep for sprinkler application Slow water movement Depth to saturated zone Collamer 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid

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36E	Schoharie silty clay loam, 25 to 45 percent slopes	Very limited	Schoharie 85% Slow water movement Too steep for surface application Too steep for sprinkler application Depth to saturated zone Odessa 5% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Cazenovia 5% Too steep for surface application Too steep for sprinkler application Slow water movement Depth to saturated zone Cayuga 3% Too steep for surface application Too steep for sprinkler application Slow water movement Depth to saturated zone Collamer 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid
37A	Schoharie silt loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Slow water movement Depth to saturated zone Cazenovia 5% Slow water movement Depth to saturated zone Odessa 5% Slow water movement Depth to saturated zone Too acid Cayuga 3% Slow water movement Depth to saturated zone Collamer 2% Depth to saturated zone Slow water movement Too acid

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37B	Schoharie silt loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Slow water movement Depth to saturated zone Too steep for surface application Cazenovia 5% Slow water movement Depth to saturated zone Too steep for surface application Odessa 5% Slow water movement Depth to saturated zone Too steep for surface application Too acid Cayuga 3% Slow water movement Depth to saturated zone Too steep for surface application Collamer 2% Depth to saturated zone Slow water movement Too steep for surface application Too acid
38A	Niagara silt loam, 0 to 3 percent slopes	Very limited	Niagara 85% Depth to saturated zone Slow water movement Canandaigua 5% Depth to saturated zone Slow water movement Rhinebeck 5% Depth to saturated zone Slow water movement Collamer 5% Depth to saturated zone Slow water movement
38B	Niagara silt loam, 3 to 8 percent slopes	Very limited	Niagara 85% Depth to saturated zone Slow water movement Too steep for surface application Canandaigua 5% Depth to saturated zone Slow water movement Too steep for surface application Rhinebeck 5% Depth to saturated zone Slow water movement Too steep for surface application Collamer 5% Depth to saturated zone Slow water movement Too steep for surface application
39A	Rhinebeck silty clay loam, 0 to 3 percent slopes	Very limited	Rhinebeck 90% Depth to saturated zone Slow water movement Lakemont 5% Depth to saturated zone Slow water movement Too acid Niagara 5% Depth to saturated zone Slow water movement

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41A	Aeric Epiaquepts, 0 to 3 percent slopes	Very limited	Aeric Epiaquepts 50% Filtering capacity Depth to saturated zone Slow water movement Aeric Epiaquepts 45% Filtering capacity Depth to saturated zone Slow water movement Elnora 5% Filtering capacity Depth to saturated zone Too acid Droughty
43A	Canandaigua silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Depth to saturated zone Slow water movement Canandaigua 4% Ponding Depth to saturated zone Slow water movement Lakemont 3% Depth to saturated zone Slow water movement Too acid Niagara 3% Depth to saturated zone Slow water movement
44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Ponding Depth to saturated zone Slow water movement Canandaigua 5% Depth to saturated zone Slow water movement Lakemont 3% Depth to saturated zone Slow water movement Too acid Palms, undrained 2% Ponding Depth to saturated zone
45A	Fonda mucky silt loam, 0 to 3 percent slopes	Very limited	Fonda 95% Ponding Depth to saturated zone Slow water movement Canandaigua 3% Ponding Depth to saturated zone Slow water movement Palms, undrained 2% Ponding Depth to saturated zone

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46A	Galen fine sandy loam, 0 to 3 percent slopes	Very limited	Galen 90% Depth to saturated zone Too acid Aeric Epiaquepts 5% Filtering capacity Depth to saturated zone Slow water movement Kendaia 5% Depth to saturated zone Seepage, porous bedrock Too acid
46B	Galen fine sandy loam, 3 to 8 percent slopes	Very limited	Galen 90% Depth to saturated zone Too steep for surface application Too acid Kendaia 5% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Too acid Aeric Epiaquepts 5% Filtering capacity Depth to saturated zone Slow water movement
48A	Arkport fine sandy loam, 0 to 3 percent slopes	Not limited	Arkport 95%
48B	Arkport fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Arkport 95% Too steep for surface application Dunkirk 3% Slow water movement Too steep for surface application
48C	Arkport fine sandy loam, 8 to 15 percent slopes	Very limited	Arkport 95% Too steep for surface application Too steep for sprinkler application Dunkirk 3% Too steep for surface application Too steep for sprinkler application Slow water movement Galen 2% Depth to saturated zone Too steep for surface application Too acid Too steep for sprinkler application
48D	Arkport fine sandy loam, 15 to 25 percent slopes	Very limited	Arkport 90% Too steep for surface application Too steep for sprinkler application Dunkirk 8% Too steep for surface application Too steep for sprinkler application Slow water movement Palmyra 2% Filtering capacity Too steep for surface application Too steep for sprinkler application Droughty
49B	Arkport loamy fine sand, 3 to 8 percent slopes	Somewhat limited	Arkport 95% Too steep for surface application Too acid Dunkirk 3% Slow water movement Too steep for surface application



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49D	Arkport loamy fine sand, 15 to 25 percent slopes	Very limited	Arkport 95% Too steep for surface application Too steep for sprinkler application Too acid Dunkirk 3% Too steep for surface application Too steep for sprinkler application Slow water movement Palmyra 2% Filtering capacity Too steep for surface application Too steep for sprinkler application Droughty
49E	Arkport loamy fine sand, 25 to 35 percent slopes	Very limited	Arkport 90% Too steep for surface application Too steep for sprinkler application Too acid Dunkirk 8% Too steep for surface application Too steep for sprinkler application Slow water movement Palmyra 2% Filtering capacity Too steep for surface application Too steep for sprinkler application Droughty
49F	Arkport loamy fine sand, 35 to 55 percent slopes	Very limited	Arkport 90% Too steep for surface application Too steep for sprinkler application Too acid Dunkirk 8% Too steep for surface application Too steep for sprinkler application Slow water movement Palmyra 2% Filtering capacity Too steep for surface application Too steep for sprinkler application Droughty
50B	Dunkirk-Arkport complex, 3 to 8 percent slopes	Somewhat limited	Dunkirk 50% Slow water movement Too steep for surface application Arkport 45% Too steep for surface application
50C	Dunkirk-Arkport complex, 8 to 15 percent slopes	Very limited	Dunkirk 60% Too steep for surface application Slow water movement Too steep for sprinkler application Arkport 35% Too steep for surface application Too steep for sprinkler application Collamer 5% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application

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50D	Dunkirk-Arkport complex, 15 to 25 percent slopes	Very limited	Dunkirk 60% Too steep for surface application Too steep for sprinkler application Slow water movement Arkport 35% Too steep for surface application Too steep for sprinkler application Collamer 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement
53A	Lamson fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Depth to saturated zone Lamson 5% Ponding Depth to saturated zone Droughty Canandaigua 3% Depth to saturated zone Slow water movement Galen 2% Depth to saturated zone Too acid
54A	Lamson mucky fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Ponding Depth to saturated zone Droughty Canandaigua 5% Depth to saturated zone Slow water movement Lamson 5% Depth to saturated zone
56A	Elnora loamy fine sand, 0 to 3 percent slopes	Very limited	Elnora 90% Filtering capacity Depth to saturated zone Too acid Droughty Aeric Epiaquepts 10% Filtering capacity Depth to saturated zone Slow water movement
58B	Colonie loamy fine sand, 3 to 8 percent slopes	Somewhat limited	Colonie 95% Too steep for surface application Too acid
58C	Colonie loamy fine sand, 8 to 15 percent slopes	Very limited	Colonie 95% Too steep for surface application Too steep for sprinkler application Too acid Elnora 5% Filtering capacity Depth to saturated zone Too steep for surface application Too acid Droughty

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62B	Mardin channery silt loam, 3 to 8 percent slopes	Very limited	Mardin 85% Slow water movement Depth to saturated zone Droughty Too steep for surface application Cobble content Bath 5% Slow water movement Too steep for surface application Depth to saturated zone Too steep for sprinkler application Droughty Volusia 5% Slow water movement Depth to saturated zone Droughty Too acid
62C	Mardin channery silt loam, 8 to 15 percent slopes	Very limited	Mardin 88% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Bath 5% Slow water movement Too steep for surface application Too steep for sprinkler application Depth to saturated zone Droughty Volusia 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Lordstown 2% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock

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62D	Mardin channery silt loam, 15 to 25 percent slopes	Very limited	Mardin 85% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Lordstown 5% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Volusia 5% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Bath 5% Slow water movement Too steep for surface application Too steep for sprinkler application Depth to saturated zone Too acid
62E	Mardin channery silt loam, 25 to 35 percent slopes	Very limited	Mardin 80% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Bath 8% Slow water movement Too steep for surface application Too steep for sprinkler application Depth to saturated zone Too acid Lordstown, very stony 7% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Volusia 5% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty

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63B	Langford channery silt loam, 3 to 8 percent slopes	Very limited	Langford 85% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Erie 10% Slow water movement Depth to saturated zone Droughty Too acid Schuyler 5% Depth to saturated zone Slow water movement Too acid Too steep for surface application
63C	Langford channery silt loam, 8 to 15 percent slopes	Very limited	Langford 85% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Chadakoin 5% Too steep for surface application Too acid Too steep for sprinkler application Erie 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Schuyler 5% Depth to saturated zone Too steep for surface application Slow water movement Too acid Too steep for sprinkler application

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
63D	Langford channery silt loam, 15 to 25 percent slopes	Very limited	Langford 80% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Erie 5% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Schuyler 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Slow water movement Towerville 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid Chadakoin 5% Too steep for surface application Too steep for sprinkler application Too acid
64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Very limited	Langford 50% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Erie 40% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Chippewa 5% Slow water movement Depth to saturated zone Droughty Too acid Fremont 5% Slow water movement Depth to saturated zone Too acid Too steep for surface application

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

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

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
68C	Volusia channery silt loam, 8 to 15 percent slopes	Very limited	Volusia 90% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Mardin 6% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Chippewa 4% Slow water movement Depth to saturated zone Droughty Too acid Too steep for surface application
68D	Volusia channery silt loam, 15 to 25 percent slopes	Very limited	Volusia 90% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Mardin 7% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Chippewa 3% Slow water movement Depth to saturated zone Droughty Too acid Too steep for surface application
69A	Erie channery silt loam, 0 to 3 percent slopes	Very limited	Erie 80% Slow water movement Depth to saturated zone Droughty Too acid Chippewa 10% Slow water movement Depth to saturated zone Droughty Too acid Fremont 5% Slow water movement Depth to saturated zone Too acid Too steep for surface application Langford 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid



# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
69B	Erie channery silt loam, 3 to 8 percent slopes	Very limited	Erie 80% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Langford 10% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Chippewa 5% Slow water movement Depth to saturated zone Droughty Too acid Fremont 5% Slow water movement Depth to saturated zone Too acid Too steep for surface application
69C	Erie channery silt loam, 8 to 15 percent slopes	Very limited	Erie 80% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Langford 10% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Fremont 5% Slow water movement Depth to saturated zone Too steep for surface application Too acid Too steep for sprinkler application Chippewa 5% Slow water movement Depth to saturated zone Droughty Too acid
71A	Darien silt loam, 0 to 3 percent slopes	Very limited	Darien 95% Depth to saturated zone Slow water movement Too acid Ilion 4% Depth to saturated zone Slow water movement Too acid Angola 1% Depth to saturated zone Slow water movement Depth to bedrock Droughty

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
71B	Darien silt loam, 3 to 8 percent slopes	Very limited	Darien 95% Depth to saturated zone Slow water movement Too acid Too steep for surface application Ilion 4% Depth to saturated zone Slow water movement Too steep for surface application Too acid Angola 1% Depth to saturated zone Slow water movement Depth to bedrock Droughty Too steep for surface application
71C	Darien silt loam, 8 to 15 percent slopes	Very limited	Darien 95% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Too acid Ilion 4% Depth to saturated zone Slow water movement Too steep for surface application Too steep for sprinkler application Too acid Angola 1% Depth to saturated zone Too steep for surface application Slow water movement Depth to bedrock Droughty
72A	Darien-Ilion silt loams, 0 to 3 percent slopes	Very limited	Darien 68% Depth to saturated zone Slow water movement Too acid Ilion 27% Depth to saturated zone Slow water movement Too acid Angola 5% Depth to saturated zone Slow water movement Depth to bedrock Droughty

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
72B	Darien-Ilion silt loams, 3 to 8 percent slopes	Very limited	Darien 68% Depth to saturated zone Slow water movement Too acid Too steep for surface application Ilion 27% Depth to saturated zone Slow water movement Too steep for surface application Too acid Angola 5% Depth to saturated zone Slow water movement Depth to bedrock Droughty Too steep for surface application
73B	Greter silt loam, 3 to 8 percent slopes	Very limited	Greter 95% Depth to saturated zone Slow water movement Depth to bedrock Too acid Droughty Greter, poorly drained 5% Depth to saturated zone Slow water movement Depth to bedrock Too acid Droughty
73C	Greter silt loam, 8 to 15 percent slopes	Very limited	Greter 95% Depth to saturated zone Too steep for surface application Slow water movement Depth to bedrock Too acid Greter, poorly drained 5% Depth to saturated zone Slow water movement Too steep for surface application Depth to bedrock Too acid
73D	Greter channery silt loam, 15 to 25 percent slopes	Very limited	Greter 90% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock Mongaup, very stony 8% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Greter, poorly drained 2% Depth to saturated zone Slow water movement Too steep for surface application Depth to bedrock Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
76B	Orpark silt loam, 3 to 8 percent slopes	Very limited	Orpark 95% Depth to saturated zone Slow water movement Depth to bedrock Too acid Droughty Orpark, poorly drained 5% Depth to saturated zone Slow water movement Depth to bedrock Too acid Droughty
76C	Orpark silt loam, 8 to 15 percent slopes	Very limited	Orpark 95% Depth to saturated zone Too steep for surface application Slow water movement Depth to bedrock Too acid Orpark, poorly drained 5% Depth to saturated zone Slow water movement Depth to bedrock Too acid Droughty
76D	Orpark channery silt loam, 15 to 25 percent slopes	Very limited	Orpark 90% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock Orpark, poorly drained 5% Depth to saturated zone Slow water movement Depth to bedrock Too acid Droughty Lordstown, very stony 5% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock
77A	Chippewa silt loam, 0 to 3 percent slopes	Very limited	Chippewa 85% Slow water movement Depth to saturated zone Droughty Too acid Chippewa, very poorly drained 10% Slow water movement Ponding Depth to saturated zone Droughty Too acid Volusia 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
77B	Chippewa silt loam, 3 to 8 percent slopes	Very limited	Chippewa 85% Slow water movement Depth to saturated zone Droughty Too acid Too steep for surface application Volusia 10% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Chippewa, very poorly drained 5% Slow water movement Ponding Depth to saturated zone Droughty Too acid
82B	Manlius channery silt loam, 3 to 8 percent slopes	Very limited	Manlius 95% Too acid Droughty Too steep for surface application Depth to bedrock Gretor 5% Depth to saturated zone Slow water movement Depth to bedrock Too steep for surface application Too acid
82C	Manlius channery silt loam, 8 to 15 percent slopes	Very limited	Manlius 95% Too steep for surface application Too acid Droughty Too steep for sprinkler application Depth to bedrock Gretor 5% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Depth to bedrock
82D	Manlius channery silt loam, 15 to 25 percent slopes	Very limited	Manlius 95% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Arnot, very stony 4% Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock Too acid Gretor 1% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
91A	Palms muck, 0 to 3 percent slopes	Very limited	Palms, undrained 55% Ponding Depth to saturated zone Palms, drained 40% Depth to saturated zone Canandaigua 5% Ponding Depth to saturated zone Slow water movement
92A	Carlisle muck, 0 to 3 percent slopes	Very limited	Carlisle, undrained 45% Ponding Depth to saturated zone Too acid Carlisle, drained 40% Depth to saturated zone Too acid Palms, undrained 10% Ponding Depth to saturated zone Canandaigua 5% Ponding Depth to saturated zone Slow water movement
93A	Edwards muck, 0 to 3 percent slopes	Very limited	Edwards, undrained 50% Ponding Depth to saturated zone Slow water movement Too acid Edwards, drained 35% Depth to saturated zone Slow water movement Too acid Martisco, undrained 10% Ponding Depth to saturated zone Slow water movement Canandaigua 5% Ponding Depth to saturated zone Slow water movement
94A	Martisco muck, 0 to 3 percent slopes	Very limited	Martisco, undrained 55% Ponding Depth to saturated zone Slow water movement Martisco, drained 35% Depth to saturated zone Slow water movement Canandaigua 5% Ponding Depth to saturated zone Slow water movement Palms, drained 5% Depth to saturated zone

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
95A	Saprists, 0 to 3 percent slopes, inundated	Very limited	Saprists, inundated 85% Ponding Depth to saturated zone Palms, undrained 5% Ponding Depth to saturated zone Fluvaquents, frequently flooded 5% Depth to saturated zone Flooding Carlisle, undrained 5% Ponding Depth to saturated zone Too acid
101A	Honeoye loam, 0 to 3 percent slopes	Somewhat limited	Honeoye 85% Seepage, porous bedrock Too acid Lansing 4% Too acid Seepage, porous bedrock
101B	Honeoye loam, 3 to 8 percent slopes	Somewhat limited	Honeoye 85% Too steep for surface application Seepage, porous bedrock Too acid Lansing 4% Too steep for surface application Too acid Seepage, porous bedrock
101C	Honeoye loam, 8 to 15 percent slopes	Very limited	Honeoye 85% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Lima 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Lansing 4% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Kendaia 4% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Wassaic 2% Too steep for surface application Slow water movement Too steep for sprinkler application Droughty Depth to bedrock

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
101D	Honeoye loam, 15 to 25 percent slopes	Very limited	Honeoye 85% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Lima 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Lansing 4% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Kendaia 4% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Wassaic 2% Too steep for surface application Too steep for sprinkler application Slow water movement Droughty Depth to bedrock
101E	Honeoye loam, 25 to 35 percent slopes	Very limited	Honeoye 85% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Lima 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Kendaia 4% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Lansing 4% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Wassaic 2% Too steep for surface application Too steep for sprinkler application Slow water movement Droughty Depth to bedrock
104A	Honeoye loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Seepage, porous bedrock Too acid Lansing 4% Too acid Seepage, porous bedrock



# Disposal of Wastewater by Irrigation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
104B	Honeoye loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Too steep for surface application Seepage, porous bedrock Too acid Lansing 4% Too steep for surface application Too acid Seepage, porous bedrock
104C	Honeoye loam, 8 to 15 percent slopes, lower clay surface	Very limited	Honeoye, lower clay surface 85% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Lima 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Kendaia 4% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Lansing 4% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Wassaic 2% Too steep for surface application Slow water movement Too steep for sprinkler application Droughty Depth to bedrock
106B	Danley-Lansing complex, 3 to 8 percent slopes	Very limited	Danley 50% Depth to saturated zone Slow water movement Too steep for surface application Too acid Conesus 2% Depth to saturated zone Too acid Too steep for surface application Seepage, porous bedrock Kendaia 1% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Too acid Palatine 1% Slow water movement Droughty Too steep for surface application Depth to bedrock Appleton 1% Depth to saturated zone Slow water movement Too steep for surface application

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
107B	Conesus-Lansing complex, 3 to 8 percent slopes	Very limited	<p>Conesus 50%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too acid</li> <li>Too steep for surface application</li> <li>Seepage, porous bedrock</li> </ul> <p>Kendaia 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Seepage, porous bedrock</li> <li>Too acid</li> </ul> <p>Appleton 1%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Too steep for surface application</li> </ul> <p>Danley 1%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Too steep for surface application</li> <li>Too acid</li> </ul> <p>Palatine 1%</p> <ul style="list-style-type: none"> <li>Slow water movement</li> <li>Droughty</li> <li>Too steep for surface application</li> <li>Depth to bedrock</li> </ul>
108C	Lansing loam, 8 to 15 percent slopes	Very limited	<p>Lansing 85%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Seepage, porous bedrock</li> </ul> <p>Conesus 8%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Seepage, porous bedrock</li> </ul> <p>Kendaia 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Seepage, porous bedrock</li> <li>Too acid</li> </ul> <p>Appleton 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too steep for sprinkler application</li> </ul> <p>Danley 1%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> </ul> <p>Wassaic 1%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Droughty</li> <li>Too steep for sprinkler application</li> <li>Depth to bedrock</li> </ul>

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
108D	Lansing loam, 15 to 25 percent slopes	Very limited	Lansing 85% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Conesus 9% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Wassaic 3% Too steep for surface application Too steep for sprinkler application Slow water movement Droughty Depth to bedrock Kendaia 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Appleton 1% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application
108E	Lansing loam, 25 to 35 percent slopes	Very limited	Lansing 85% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Cazenovia 10% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Aurora 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Too acid Too steep for surface application Seepage, porous bedrock Honeoye 5% Too steep for surface application Seepage, porous bedrock Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Very limited	Ontario 85% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Honeoye 5% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Hilton 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Cazenovia 3% Too steep for surface application Slow water movement Depth to saturated zone Too steep for sprinkler application Appleton 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Very limited	Ontario 85% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Cazenovia 5% Too steep for surface application Too steep for sprinkler application Slow water movement Depth to saturated zone Honeoye 5% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Hilton 3% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Appleton 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
112E	Ontario fine sandy loam, 25 to 35 percent slopes	Very limited	<p>Ontario 85%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Seepage, porous bedrock</li> </ul> <p>Cazenovia 5%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Depth to saturated zone</li> </ul> <p>Honeoye 5%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Seepage, porous bedrock</li> <li>Too acid</li> </ul> <p>Hilton 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Seepage, porous bedrock</li> </ul> <p>Appleton 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Seepage, porous bedrock</li> </ul>
114B	Ontario gravelly loam, 3 to 8 percent slopes	Somewhat limited	<p>Ontario 85%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too acid</li> <li>Seepage, porous bedrock</li> </ul> <p>Honeoye 5%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Seepage, porous bedrock</li> <li>Too acid</li> </ul>
114C	Ontario gravelly loam, 8 to 15 percent slopes	Very limited	<p>Ontario 85%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Seepage, porous bedrock</li> </ul> <p>Hilton 5%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Seepage, porous bedrock</li> </ul> <p>Honeoye 5%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Seepage, porous bedrock</li> <li>Too acid</li> </ul> <p>Cazenovia 3%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Depth to saturated zone</li> <li>Too steep for sprinkler application</li> </ul> <p>Appleton 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Seepage, porous bedrock</li> </ul>

# Disposal of Wastewater by Irrigation

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
114D	Ontario gravelly loam, 15 to 25 percent slopes	Very limited	Ontario 85% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Honeoye 5% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Hilton 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Cazenovia 3% Too steep for surface application Slow water movement Depth to saturated zone Too steep for sprinkler application Appleton 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock
116B	Ontario loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Too steep for surface application Too acid Seepage, porous bedrock Honeoye 5% Too steep for surface application Seepage, porous bedrock Too acid
116C	Ontario loam, 8 to 15 percent slopes	Very limited	Ontario 85% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Honeoye 5% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Hilton 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Cazenovia 3% Too steep for surface application Slow water movement Depth to saturated zone Too steep for sprinkler application Appleton 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
116D	Ontario loam, 15 to 25 percent slopes	Very limited	Ontario 85% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Cazenovia 5% Too steep for surface application Too steep for sprinkler application Slow water movement Depth to saturated zone Honeoye 5% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Hilton 3% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Appleton 2% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Very limited	Ontario 40% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Honeoye 35% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Lansing 20% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Aurora 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock
120E	Palmyra and Howard soils, 25 to 45 percent slopes	Very limited	Palmyra 55% Filtering capacity Too steep for surface application Too steep for sprinkler application Howard 40% Filtering capacity Too steep for surface application Too steep for sprinkler application Too acid Droughty Colonie 5% Too steep for surface application Too steep for sprinkler application Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
122A	Palmyra cobbly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Filtering capacity
122B	Palmyra cobbly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Filtering capacity Too steep for surface application
124A	Palmyra fine sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Filtering capacity Droughty Howard 10% Filtering capacity Too acid Droughty
124B	Palmyra fine sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Filtering capacity Too steep for surface application Droughty Howard 10% Filtering capacity Too acid Too steep for surface application Droughty
126A	Palmyra gravelly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Filtering capacity
126B	Palmyra gravelly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Filtering capacity Too steep for surface application Too steep for sprinkler application
126C	Palmyra gravelly loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Filtering capacity Too steep for surface application Too steep for sprinkler application Arkport 10% Too steep for surface application Too steep for sprinkler application
126D	Palmyra gravelly loam, 15 to 25 percent slopes	Very limited	Palmyra 90% Filtering capacity Too steep for surface application Too steep for sprinkler application Arkport 10% Too steep for surface application Too steep for sprinkler application
128A	Palmyra gravelly sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Filtering capacity Droughty Too acid
128B	Palmyra gravelly sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Filtering capacity Too steep for surface application Droughty Too steep for sprinkler application Too acid



# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
128C	Palmyra gravelly sandy loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Filtering capacity Too steep for surface application Too steep for sprinkler application Droughty Too acid Arkport 10% Too steep for surface application Too steep for sprinkler application
130A	Farmington loam, 0 to 3 percent slopes	Very limited	Farmington 90% Depth to bedrock Droughty Too acid Galoo 5% Depth to bedrock Droughty Slow water movement Nuhi 5% Depth to saturated zone Slow water movement Depth to bedrock Droughty
130B	Farmington loam, 3 to 8 percent slopes	Very limited	Farmington 90% Depth to bedrock Droughty Too steep for surface application Too acid Galoo 5% Depth to bedrock Droughty Slow water movement Too steep for surface application Nuhi 5% Depth to saturated zone Slow water movement Too steep for surface application Depth to bedrock Droughty
132A	Galoo loam, 0 to 3 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Droughty Slow water movement Nuhi 4% Depth to saturated zone Slow water movement Depth to bedrock Droughty
132B	Galoo loam, 3 to 8 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Droughty Slow water movement Too steep for surface application Nuhi 4% Depth to saturated zone Slow water movement Depth to bedrock Droughty

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
134A	Camillus silt loam, 0 to 3 percent slopes	Very limited	Camillus 95% Slow water movement Depth to bedrock Droughty Angola 5% Depth to saturated zone Slow water movement Depth to bedrock Droughty
134B	Camillus silt loam, 3 to 8 percent slopes	Very limited	Camillus 95% Slow water movement Too steep for surface application Depth to bedrock Droughty Angola 5% Depth to saturated zone Slow water movement Depth to bedrock Droughty Too steep for surface application
151C	Willdin-Norchip complex, 3 to 15 percent slopes	Very limited	Willdin 60% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Norchip 38% Slow water movement Depth to saturated zone Droughty Too acid Palms, undrained 2% Ponding Depth to saturated zone
152B	Valois gravelly loam, 3 to 8 percent slopes	Somewhat limited	Valois 85% Too acid Too steep for surface application Cadosia 5% Too acid Too steep for surface application Cobble content

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152C	Valois gravelly loam, 8 to 15 percent slopes	Very limited	Valois 85% Too steep for surface application Too acid Too steep for sprinkler application Mardin 5% Depth to saturated zone Too steep for surface application Slow water movement Too acid Droughty Cadosia 5% Too steep for surface application Too acid Too steep for sprinkler application Cobble content Volusia 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid
152D	Valois gravelly loam, 15 to 25 percent slopes	Very limited	Valois 85% Too steep for surface application Too steep for sprinkler application Too acid Cadosia 6% Too steep for surface application Too steep for sprinkler application Too acid Cobble content Mardin 6% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid Volusia 3% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152E	Valois gravelly loam, 25 to 35 percent slopes	Very limited	Valois 85% Too steep for surface application Too steep for sprinkler application Too acid Cadosia 6% Too steep for surface application Too steep for sprinkler application Too acid Cobble content Mardin 6% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid Towerville, extremely stony 3% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid
153B	Valois gravelly loam, cool, 3 to 8 percent slopes	Somewhat limited	Valois, cool 85% Too acid Too steep for surface application
153C	Valois gravelly loam, cool, 8 to 15 percent slopes	Very limited	Valois, cool 85% Too steep for surface application Too acid Too steep for sprinkler application Ontusia 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Rockrift 5% Too steep for surface application Too acid Too steep for sprinkler application Cobble content Willdin 5% Depth to saturated zone Too steep for surface application Slow water movement Too acid Droughty

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
153D	Valois gravelly loam, cool, 15 to 25 percent slopes	Very limited	Valois, cool 85% Too steep for surface application Too steep for sprinkler application Too acid Rockrift 6% Too steep for surface application Too steep for sprinkler application Too acid Cobble content Willdin 6% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid Ontusia 3% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application
153E	Valois gravelly loam, cool, 25 to 35 percent slopes	Very limited	Valois, cool 85% Too steep for surface application Too steep for sprinkler application Too acid Rockrift 6% Too steep for surface application Too steep for sprinkler application Too acid Cobble content Willdin 6% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid Ischua 3% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
162B	Willdin channery silt loam, 3 to 8 percent slopes	Very limited	Willdin 85% Slow water movement Depth to saturated zone Droughty Too acid Too steep for surface application Lewbath 5% Slow water movement Too steep for surface application Too acid Depth to saturated zone Too steep for sprinkler application Middlebrook 5% Depth to saturated zone Slow water movement Too acid Droughty Too steep for surface application Ontusia 5% Slow water movement Depth to saturated zone Droughty Too acid
162C	Willdin channery silt loam, 8 to 15 percent slopes	Very limited	Willdin 85% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too acid Ontusia 6% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Lewbath 6% Slow water movement Too steep for surface application Too steep for sprinkler application Too acid Depth to saturated zone Middlebrook 3% Depth to saturated zone Too steep for surface application Slow water movement Too acid Droughty

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
162D	Willdin channery silt loam, 15 to 25 percent slopes	Very limited	Willdin 80% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Lewbath 10% Slow water movement Too steep for surface application Too steep for sprinkler application Too acid Depth to saturated zone Mongaup 5% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Ontusia 5% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application
168A	Ontusia channery silt loam, 0 to 3 percent slopes	Very limited	Ontusia 88% Slow water movement Depth to saturated zone Droughty Too acid Willdin 5% Slow water movement Depth to saturated zone Droughty Too acid Too steep for surface application Norchip 5% Slow water movement Depth to saturated zone Droughty Too acid Gretor 2% Depth to saturated zone Slow water movement Too acid Depth to bedrock Droughty

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Very limited	Ontusia 90% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid Norchip 5% Slow water movement Depth to saturated zone Droughty Too acid Willdin 5% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too acid
168C	Ontusia channery silt loam, 8 to 15 percent slopes	Very limited	Ontusia 90% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Norchip 5% Slow water movement Depth to saturated zone Droughty Too acid Too steep for surface application Willdin 5% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty
168D	Ontusia channery silt loam, 15 to 25 percent slopes	Very limited	Ontusia 90% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Willdin 7% Slow water movement Depth to saturated zone Too steep for surface application Too steep for sprinkler application Droughty Norchip 3% Slow water movement Depth to saturated zone Droughty Too acid Too steep for surface application



# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171C	Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes, very stony	Very limited	Lordstown, very stony 40% Too steep for surface application Too acid Too steep for sprinkler application Droughty Depth to bedrock Towerville, very stony 20% Depth to saturated zone Too steep for surface application Slow water movement Too acid Depth to bedrock Manlius, very stony 20% Too steep for surface application Droughty Too acid Too steep for sprinkler application Depth to bedrock Cadosia, very stony 10% Too steep for surface application Too acid Too steep for sprinkler application Cobble content Mardin, very stony 5% Slow water movement Depth to saturated zone Too steep for surface application Droughty Too steep for sprinkler application Arnot, very stony 5% Droughty Too steep for surface application Depth to bedrock Too acid Too steep for sprinkler application

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171D	Lordstown-Manlius-Towerville complex, 15 to 25 percent slopes, very stony	Very limited	<p>Lordstown, very stony 40%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Droughty</li> <li>Depth to bedrock</li> </ul> <p>Manlius, very stony 20%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Droughty</li> <li>Too acid</li> <li>Depth to bedrock</li> </ul> <p>Towerville, very stony 20%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul> <p>Cadosia, very stony 10%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Cobble content</li> </ul> <p>Arnot, very stony 5%</p> <ul style="list-style-type: none"> <li>Droughty</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Depth to bedrock</li> <li>Too acid</li> </ul> <p>Mardin 5%</p> <ul style="list-style-type: none"> <li>Slow water movement</li> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Droughty</li> <li>Too steep for sprinkler application</li> </ul>

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171E	Lordstown-Manlius-Towerville complex, 25 to 35 percent slopes, extremely stony	Very limited	<p>Lordstown, extremely stony 40%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Droughty</li> <li>Depth to bedrock</li> </ul> <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul> <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Droughty</li> <li>Too acid</li> <li>Depth to bedrock</li> </ul> <p>Cadosia, extremely stony 10%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Cobble content</li> </ul> <p>Arnot, very stony 5%</p> <ul style="list-style-type: none"> <li>Droughty</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Depth to bedrock</li> <li>Too acid</li> </ul> <p>Mardin, extremely stony 5%</p> <ul style="list-style-type: none"> <li>Slow water movement</li> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> </ul>

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171F	Lordstown-Manlius-Towerville complex, 35 to 80 percent slopes, extremely stony	Very limited	Lordstown, extremely stony 40% Too steep for surface application Too steep for sprinkler application Too acid Droughty Depth to bedrock Towerville, extremely stony 20% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid Manlius, extremely stony 20% Too steep for surface application Too steep for sprinkler application Droughty Too acid Depth to bedrock Arnot, extremely stony 10% Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock Too acid Cadosia, extremely stony 10% Too steep for surface application Too steep for sprinkler application Too acid Cobble content
177A	Norchip silt loam, 0 to 3 percent slopes	Very limited	Norchip 85% Slow water movement Depth to saturated zone Droughty Too acid Norchip, very poorly drained 10% Slow water movement Ponding Depth to saturated zone Droughty Too acid Ontusia 5% Slow water movement Depth to saturated zone Droughty Too steep for surface application Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

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

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
181C	Mongaup-Ischua complex, 8 to 15 percent slopes	Very limited	<p>Mongaup 45%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too acid</li> <li>Droughty</li> <li>Depth to bedrock</li> <li>Too steep for sprinkler application</li> </ul> <p>Ischua 40%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too acid</li> <li>Droughty</li> </ul> <p>Rockriff 10%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too acid</li> <li>Too steep for sprinkler application</li> <li>Cobble content</li> </ul> <p>Willdin 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too acid</li> <li>Droughty</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too steep for sprinkler application</li> <li>Depth to bedrock</li> </ul>
181D	Mongaup-Ischua complex, 15 to 25 percent slopes, very stony	Very limited	<p>Mongaup, very stony 45%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Droughty</li> <li>Depth to bedrock</li> </ul> <p>Ischua, very stony 40%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul> <p>Rockriff 10%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Cobble content</li> </ul> <p>Willdin 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Depth to bedrock</li> </ul>

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
181E	Mongaup-Ischua complex, 25 to 35 percent slopes, extremely stony	Very limited	<p>Mongaup, extremely stony 45%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Droughty</li> <li>Depth to bedrock</li> </ul> <p>Ischua, extremely stony 40%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul> <p>Rockrift 10%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> <li>Cobble content</li> </ul> <p>Willdin 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Depth to bedrock</li> </ul>
182B	Mongaup channery loam, 3 to 8 percent slopes	Very limited	<p>Mongaup 75%</p> <ul style="list-style-type: none"> <li>Droughty</li> <li>Depth to bedrock</li> <li>Too steep for surface application</li> <li>Cobble content</li> </ul> <p>Rockrift 10%</p> <ul style="list-style-type: none"> <li>Too acid</li> <li>Too steep for surface application</li> <li>Cobble content</li> </ul> <p>Willdin 8%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Too acid</li> <li>Droughty</li> <li>Too steep for surface application</li> </ul> <p>Ischua 5%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Too acid</li> <li>Droughty</li> <li>Depth to bedrock</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Depth to bedrock</li> <li>Too steep for surface application</li> <li>Too acid</li> </ul>

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
182C	Mongaup channery loam, 8 to 15 percent slopes	Very limited	<p>Mongaup 75%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Droughty</li> <li>Depth to bedrock</li> <li>Too steep for sprinkler application</li> <li>Cobble content</li> </ul> <p>Rockrift 10%</p> <ul style="list-style-type: none"> <li>Too steep for surface application</li> <li>Too acid</li> <li>Too steep for sprinkler application</li> <li>Cobble content</li> </ul> <p>Willdin 8%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too acid</li> <li>Droughty</li> </ul> <p>Ischua 5%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too acid</li> <li>Droughty</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too steep for sprinkler application</li> <li>Depth to bedrock</li> </ul>
201A	Lima loam, 0 to 3 percent slopes	Very limited	<p>Lima 85%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Seepage, porous bedrock</li> </ul> <p>Kendaia 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Seepage, porous bedrock</li> <li>Too acid</li> </ul> <p>Appleton 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Seepage, porous bedrock</li> </ul> <p>Cazenovia 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> </ul> <p>Lyons 2%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Seepage, porous bedrock</li> </ul>



# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
201B	Lima loam, 3 to 8 percent slopes	Very limited	Lima 85% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Kendaia 3% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Too acid Appleton 3% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Cazenovia 2% Depth to saturated zone Slow water movement Too steep for surface application Lyons 1% Depth to saturated zone Slow water movement Too steep for surface application Seepage, porous bedrock
201C	Lima loam, 8 to 15 percent slopes	Very limited	Lima 85% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Honeoye 7% Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Appleton 3% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Kendaia 3% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Seepage, porous bedrock Too acid Cazenovia 2% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
204A	Lima loam, 0 to 3 percent slopes, lower clay surface	Very limited	Lima 85% Depth to saturated zone Seepage, porous bedrock Appleton 3% Depth to saturated zone Seepage, porous bedrock Kendaia 3% Depth to saturated zone Seepage, porous bedrock Too acid Lyons 2% Depth to saturated zone Slow water movement Seepage, porous bedrock Cazenovia 2% Depth to saturated zone Slow water movement
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	Very limited	Lima 85% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Appleton 3% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Kendaia 3% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Too acid Cazenovia 2% Depth to saturated zone Slow water movement Too steep for surface application Lyons 1% Depth to saturated zone Slow water movement Too steep for surface application Seepage, porous bedrock
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Very limited	Phelps 85% Depth to saturated zone Droughty Galen 10% Depth to saturated zone Too acid Homer 5% Filtering capacity Depth to saturated zone
210B	Phelps gravelly silt loam, 3 to 8 percent slopes	Very limited	Phelps 85% Depth to saturated zone Too steep for surface application Droughty Galen 10% Depth to saturated zone Too steep for surface application Too acid Homer 5% Filtering capacity Depth to saturated zone Too steep for surface application

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
212A	Nuhi silt loam, 0 to 3 percent slopes	Very limited	Nuhi 85% Depth to saturated zone Slow water movement Depth to bedrock Droughty Farmington 10% Depth to bedrock Droughty Too acid Nuhi, poorly drained 5% Depth to saturated zone Slow water movement Depth to bedrock Droughty
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Very limited	Aurora 60% Depth to saturated zone Slow water movement Too steep for surface application Depth to bedrock Angola 30% Depth to saturated zone Slow water movement Depth to bedrock Droughty Too steep for surface application Danley 5% Depth to saturated zone Slow water movement Too steep for surface application Too acid Darien 5% Depth to saturated zone Slow water movement Too acid Too steep for surface application
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Very limited	Aurora 60% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Depth to bedrock Angola 30% Depth to saturated zone Too steep for surface application Slow water movement Depth to bedrock Droughty Darien 5% Depth to saturated zone Too steep for surface application Slow water movement Too acid Too steep for sprinkler application Danley 5% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
240D	Aurora-Angola silt loams, 15 to 25 percent slopes	Very limited	<p>Aurora 60%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Depth to bedrock</li> </ul> <p>Angola 30%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Depth to bedrock</li> </ul> <p>Darien 5%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul> <p>Danley 5%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Too steep for sprinkler application</li> <li>Slow water movement</li> <li>Too acid</li> </ul>
241B	Aurora silt loam, 3 to 8 percent slopes	Very limited	<p>Aurora 85%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Too steep for surface application</li> <li>Depth to bedrock</li> </ul> <p>Angola 10%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Depth to bedrock</li> <li>Droughty</li> <li>Too steep for surface application</li> </ul> <p>Danley 5%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Slow water movement</li> <li>Too steep for surface application</li> <li>Too acid</li> </ul>
241C	Aurora silt loam, 8 to 15 percent slopes	Very limited	<p>Aurora 85%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too steep for sprinkler application</li> <li>Depth to bedrock</li> </ul> <p>Angola 8%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Depth to bedrock</li> <li>Droughty</li> </ul> <p>Danley 7%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Too steep for surface application</li> <li>Slow water movement</li> <li>Too steep for sprinkler application</li> <li>Too acid</li> </ul>

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
241D	Aurora silt loam, 15 to 25 percent slopes	Very limited	Aurora 85% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock Danley 10% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Too acid Angola 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock
255B	Cazenovia silt loam, 3 to 8 percent slopes	Very limited	Cazenovia 85% Depth to saturated zone Slow water movement Too steep for surface application Ovid 10% Depth to saturated zone Slow water movement Too steep for surface application Cayuga 5% Depth to saturated zone Slow water movement Too steep for surface application
255C	Cazenovia silt loam, 8 to 15 percent slopes	Very limited	Cazenovia 85% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Cayuga 8% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Ovid 7% Depth to saturated zone Slow water movement Too steep for surface application Too steep for sprinkler application
255D	Cazenovia silt loam, 15 to 25 percent slopes	Very limited	Cazenovia 85% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Cayuga 10% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Ovid 5% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
260B	Cayuga silt loam, 3 to 8 percent slopes	Very limited	Cayuga 85% Depth to saturated zone Slow water movement Too steep for surface application Schoharie 10% Depth to saturated zone Slow water movement Too steep for surface application Odessa 5% Depth to saturated zone Slow water movement Too steep for surface application
260C	Cayuga silt loam, 8 to 15 percent slopes	Very limited	Cayuga 85% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Schoharie 10% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Odessa 5% Depth to saturated zone Slow water movement Too steep for surface application Too steep for sprinkler application
260D	Cayuga silt loam, 15 to 25 percent slopes	Very limited	Cayuga 85% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement Lansing 10% Too steep for surface application Too steep for sprinkler application Too acid Seepage, porous bedrock Schoharie 5% Depth to saturated zone Too steep for surface application Too steep for sprinkler application Slow water movement
304A	Kendaia loam, 0 to 3 percent slopes	Very limited	Kendaia 85% Depth to saturated zone Seepage, porous bedrock Too acid Lima 6% Depth to saturated zone Seepage, porous bedrock Lyons 5% Depth to saturated zone Slow water movement Seepage, porous bedrock Ovid 2% Depth to saturated zone Slow water movement Churchville 2% Depth to saturated zone Slow water movement

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
304B	Kendaia loam, 3 to 8 percent slopes	Very limited	Kendaia 85% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Too acid Lima 7% Depth to saturated zone Too steep for surface application Seepage, porous bedrock Lyons 4% Depth to saturated zone Slow water movement Seepage, porous bedrock Too steep for surface application Churchville 2% Depth to saturated zone Slow water movement Too steep for surface application Ovid 2% Depth to saturated zone Slow water movement Too steep for surface application
342A	Angola silt loam, 0 to 3 percent slopes	Very limited	Angola 90% Depth to saturated zone Slow water movement Depth to bedrock Droughty Darien 5% Depth to saturated zone Slow water movement Too acid Ilion 5% Depth to saturated zone Slow water movement Too acid
356A	Ovid silt loam, 0 to 3 percent slopes	Very limited	Ovid 85% Depth to saturated zone Slow water movement Odessa 10% Depth to saturated zone Slow water movement Lakemont 5% Depth to saturated zone Slow water movement Too acid
356B	Ovid silt loam, 3 to 8 percent slopes	Very limited	Ovid 85% Depth to saturated zone Slow water movement Too steep for surface application Odessa 10% Depth to saturated zone Slow water movement Too steep for surface application Lakemont 5% Depth to saturated zone Slow water movement Too acid

# Disposal of Wastewater by Irrigation

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

Ontario County, New York  
Survey Area Version and Date: 23 - 09/05/2023

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
357B	Ovid silty clay loam, 3 to 8 percent slopes	Very limited	Ovid 85% Depth to saturated zone Slow water movement Too steep for surface application Odessa 10% Depth to saturated zone Slow water movement Too steep for surface application Lakemont 5% Depth to saturated zone Slow water movement Too acid
357C	Ovid silty clay loam, 8 to 15 percent slopes	Very limited	Ovid 85% Depth to saturated zone Too steep for surface application Slow water movement Too steep for sprinkler application Odessa 10% Depth to saturated zone Slow water movement Too steep for surface application Too steep for sprinkler application Lakemont 5% Depth to saturated zone Slow water movement Too acid
400A	Udorthents, loamy, 0 to 3 percent slopes	Somewhat limited	Udorthents, loamy 80% Droughty Ontario 5% Too steep for surface application Too acid Seepage, porous bedrock
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 Irrigation

## Rating Options

Attribute Name: Disposal of Wastewater by Irrigation

Wastewater includes municipal and food-processing wastewater and effluent from lagoons or storage ponds. 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.

Disposal of wastewater by irrigation not only disposes of municipal wastewater and wastewater from food-processing plants, lagoons, and storage ponds but also can improve crop production by increasing the amount of water available to crops. The ratings are based on the soil properties that affect the design, construction, management, and performance of the irrigation system. The properties that affect design and management include the sodium adsorption ratio, depth to a water table, ponding, available water capacity, saturated hydraulic conductivity (Ksat), slope, and flooding. The properties that affect construction include stones, cobbles, depth to bedrock or a cemented pan, depth to a water table, and ponding. The properties that affect performance include depth to bedrock or a cemented pan, bulk density, the sodium adsorption ratio, salinity, reaction, and the cation-exchange capacity, which is used to estimate the capacity of a soil to adsorb heavy metals. Permanently frozen soils are not suitable for disposal of wastewater by irrigation.

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 Condition

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 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 Condition" first groups like attribute values for the components in a map unit. For each group,

## Disposal of Wastewater by Irrigation

percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

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.