

# Topsoil Source

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	Poor	Fluvaquents, frequently flooded 45% Wetness Hard to reclaim (rock fragments) Rock fragments Too sandy Exchange capacity Udifluvents, frequently flooded 40% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Wetness Wayland 10% Wetness Exchange capacity
2A	Geneseo silty clay loam, 0 to 3 percent slopes	Fair	Geneseo 90% Exchange capacity Wetness Naples Creek 10% Wetness Too clayey
3A	Hemlock silty clay loam, 0 to 3 percent slopes	Fair	Hemlock 90% Wetness Too clayey Exchange capacity Naples Creek 10% Wetness Too clayey
4A	Naples Creek silty clay loam, 0 to 3 percent slopes	Fair	Naples Creek 90% Wetness Too clayey Hemlock 5% Wetness Too clayey Exchange capacity
5A	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Poor	Wayland 60% Wetness Exchange capacity Wayland, very poorly drained 30% Wetness
12D	Rockrift channery silt loam, 15 to 25 percent slopes	Poor	Rockrift 85% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Mongaup, very stony 10% Slope Rock fragments Depth to bedrock Exchange capacity Too acid Willdin 5% Slope Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity
13F	Rock outcrop-Arnot complex, 25 to 70 percent slopes	Not rated	Rock outcrop 55%

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Ontario County, New York

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

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14D	Cadosia channery silt loam, 15 to 25 percent slopes	Poor	Cadosia 85% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Too acid Lordstown, very stony 10% Slope Rock fragments Depth to bedrock Exchange capacity Too acid Mardin 5% Slope Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity
15A	Guyanoga channery silt loam, fan, 0 to 3 percent slopes	Poor	Guyanoga, fan 90% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Chenango, fan 5% Rock fragments Hard to reclaim (rock fragments) Exchange capacity
15B	Guyanoga channery silt loam, fan, 3 to 8 percent slopes	Poor	Guyanoga, fan 90% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Chenango, fan 5% Rock fragments Hard to reclaim (rock fragments) Exchange capacity
16A	Almond channery silt loam, 0 to 3 percent slopes	Poor	Almond 80% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Norchip 8% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments Ontusia 7% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity

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Tie-break Rule: Higher

Ontario County, New York

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

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16B	Almond channery silt loam, 3 to 8 percent slopes	Poor	Almond 80% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Ontusia 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Norchip 5% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments
16C	Almond channery silt loam, 8 to 15 percent slopes	Poor	Almond 80% Wetness Hard to reclaim (rock fragments) Slope Rock fragments Exchange capacity Salamanca 5% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Norchip 5% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments Ontusia 5% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Gretor 5% Slope Wetness Rock fragments Depth to bedrock Exchange capacity
18A	Homer fine sandy loam, 0 to 3 percent slopes	Fair	Homer 90% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity

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19A	Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Poor	Fine-loamy, mixed, active, mesic Typic Argiaquolls 80% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Atherton 7% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Palms, undrained 5% Wetness Organic matter content high
20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Poor	Atherton 41% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Fine-loamy, mixed, active, mesic Typic Argiaquolls 39% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Canandaigua 7% Wetness Exchange capacity Castile 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity
24A	Howard gravelly loam, 0 to 3 percent slopes	Poor	Howard 80% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Palmyra 10% Rock fragments Exchange capacity Phelps 5% Hard to reclaim (rock fragments) Rock fragments Wetness Exchange capacity
24B	Howard gravelly loam, 3 to 8 percent slopes	Poor	Howard 80% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Palmyra 10% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Phelps 5% Hard to reclaim (rock fragments) Rock fragments Wetness Exchange capacity

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

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24C	Howard gravelly loam, 8 to 15 percent slopes	Poor	Howard 80% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Slope Palmyra 10% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Phelps 5% Hard to reclaim (rock fragments) Rock fragments Wetness Exchange capacity
24D	Howard soils, 15 to 25 percent slopes	Poor	Howard 65% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Palmyra 20% Hard to reclaim (rock fragments) Slope Rock fragments Exchange capacity Arkport 13% Slope Exchange capacity Too sandy Phelps 2% Hard to reclaim (rock fragments) Rock fragments Wetness Exchange capacity
25A	Chenango gravelly loam, 0 to 3 percent slopes	Poor	Chenango 90% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Too acid Castile 8% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Valois 2% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid

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Tie-break Rule: Higher

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

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25B	Chenango gravelly loam, 3 to 8 percent slopes	Poor	Chenango 90% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Too acid Castile 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Valois 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid
25C	Chenango gravelly loam, 8 to 15 percent slopes	Poor	Chenango 90% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Slope Too acid Castile 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Slope Valois 5% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Too acid
25D	Chenango gravelly loam, 15 to 25 percent slopes	Poor	Chenango 90% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Castile 8% Rock fragments Hard to reclaim (rock fragments) Slope Wetness Exchange capacity Valois 2% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid
25E	Chenango gravelly loam, 25 to 35 percent slopes	Poor	Chenango 90% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Valois 10% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid

# Topsoil Source

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

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26B	Chenango channery loam, fan, 3 to 8 percent slopes	Poor	Chenango, fan 85% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Guyanoga, fan 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Castile 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity
27B	Castile gravelly silt loam, 3 to 8 percent slopes	Poor	Castile 85% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Phelps 5% Hard to reclaim (rock fragments) Rock fragments Wetness Exchange capacity Chenango 5% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Too acid
31A	Collamer silt loam, 0 to 3 percent slopes	Fair	Collamer 85% Wetness Exchange capacity Niagara 10% Wetness
31B	Collamer silt loam, 3 to 8 percent slopes	Fair	Collamer 85% Wetness Exchange capacity Rock fragments Niagara 10% Wetness
31C	Collamer silt loam, 8 to 15 percent slopes	Fair	Collamer 85% Wetness Slope Exchange capacity Rock fragments Niagara 10% Wetness
31D	Collamer silt loam, 15 to 25 percent slopes	Poor	Collamer 90% Slope Wetness Exchange capacity Rock fragments Schoharie 5% Slope Too clayey Wetness

# Topsoil Source

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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
32A	Dunkirk fine sandy loam, 0 to 3 percent slopes	Fair	Dunkirk 90% Exchange capacity Arkport 4% Exchange capacity Too sandy Niagara 3% Wetness
32B	Dunkirk fine sandy loam, 3 to 8 percent slopes	Fair	Dunkirk 90% Exchange capacity Arkport 4% Exchange capacity Too sandy Niagara 3% Wetness
33A	Dunkirk silt loam, 0 to 3 percent slopes	Fair	Dunkirk 90% Exchange capacity Arkport 4% Exchange capacity Too sandy Niagara 3% Wetness
33B	Dunkirk silt loam, 3 to 8 percent slopes	Fair	Dunkirk 90% Exchange capacity Arkport 4% Exchange capacity Too sandy Niagara 3% Wetness
33C	Dunkirk silt loam, 8 to 15 percent slopes	Fair	Dunkirk 90% Slope Exchange capacity Arkport 4% Slope Exchange capacity Too sandy Niagara 3% Wetness
33D	Dunkirk silt loam, 15 to 25 percent slopes	Poor	Dunkirk 90% Slope Exchange capacity Schoharie 5% Slope Too clayey Wetness Arkport 5% Slope Exchange capacity Too sandy
33E	Dunkirk silt loam, 25 to 35 percent slopes	Poor	Dunkirk 90% Slope Exchange capacity Schoharie 5% Slope Too clayey Wetness Arkport 5% Slope Exchange capacity Too sandy



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34A	Lakemont silty clay loam, 0 to 3 percent slopes	Poor	Lakemont 85% Wetness Too clayey Odessa 5% Wetness Too clayey Fonda 4% Wetness Too clayey Canandaigua 4% Wetness Exchange capacity Barre 2% Wetness Too clayey
35A	Odessa silt loam, 0 to 3 percent slopes	Poor	Odessa 85% Wetness Too clayey Lakemont 5% Wetness Too clayey Schoharie 5% Too clayey Wetness Churchville 3% Wetness Too clayey Rock fragments Rhinebeck 2% Too clayey Wetness
35B	Odessa silty clay loam, 3 to 8 percent slopes	Poor	Odessa 85% Wetness Too clayey Schoharie 6% Too clayey Wetness Lakemont 4% Wetness Too clayey Churchville 3% Wetness Too clayey Rock fragments Rhinebeck 2% Too clayey Wetness
36A	Schoharie silty clay loam, 0 to 3 percent slopes	Poor	Schoharie 85% Too clayey Wetness Odessa 5% Wetness Too clayey
36B	Schoharie silty clay loam, 3 to 8 percent slopes	Poor	Schoharie 85% Too clayey Wetness Odessa 5% Wetness Too clayey

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Tie-break Rule: Higher

Ontario County, New York

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

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36C	Schoharie silty clay loam, 8 to 15 percent slopes	Poor	Schoharie 85% Too clayey Slope Wetness Odessa 5% Wetness Too clayey Slope
36D	Schoharie silty clay loam, 15 to 25 percent slopes	Poor	Schoharie 85% Slope Too clayey Wetness Cazenovia 5% Slope Rock fragments Wetness Exchange capacity Odessa 5% Wetness Slope Too clayey Cayuga 3% Slope Too clayey Hard to reclaim (rock fragments) Wetness Rock fragments Collamer 2% Slope Wetness Exchange capacity
36E	Schoharie silty clay loam, 25 to 45 percent slopes	Poor	Schoharie 85% Slope Too clayey Wetness Odessa 5% Wetness Slope Too clayey Cazenovia 5% Slope Rock fragments Wetness Exchange capacity Cayuga 3% Slope Too clayey Hard to reclaim (rock fragments) Wetness Rock fragments Collamer 2% Slope Wetness Exchange capacity
37A	Schoharie silt loam, 0 to 3 percent slopes	Poor	Schoharie 85% Too clayey Wetness Odessa 5% Wetness Too clayey

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Tie-break Rule: Higher

Ontario County, New York

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

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37B	Schoharie silt loam, 3 to 8 percent slopes	Poor	Schoharie 85% Too clayey Wetness Odessa 5% Wetness Too clayey
38A	Niagara silt loam, 0 to 3 percent slopes	Fair	Niagara 85% Wetness Collamer 5% Wetness Exchange capacity
38B	Niagara silt loam, 3 to 8 percent slopes	Fair	Niagara 85% Wetness Collamer 5% Wetness Exchange capacity Rock fragments
39A	Rhinebeck silty clay loam, 0 to 3 percent slopes	Poor	Rhinebeck 90% Too clayey Wetness Lakemont 5% Wetness Too clayey
41A	Aeric Epiaquepts, 0 to 3 percent slopes	Poor	Aeric Epiaquepts 50% Wetness Exchange capacity Aeric Epiaquepts 45% Wetness Exchange capacity Elnora 5% Too sandy Wetness Exchange capacity
43A	Canandaigua silt loam, 0 to 3 percent slopes	Poor	Canandaigua 90% Wetness Exchange capacity Canandaigua 4% Wetness Lakemont 3% Wetness Too clayey
44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Poor	Canandaigua 90% Wetness Canandaigua 5% Wetness Exchange capacity Lakemont 3% Wetness Too clayey Palms, undrained 2% Wetness Organic matter content high
45A	Fonda mucky silt loam, 0 to 3 percent slopes	Poor	Fonda 95% Wetness Too clayey Canandaigua 3% Wetness Palms, undrained 2% Wetness Organic matter content high

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

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46A	Galen fine sandy loam, 0 to 3 percent slopes	Fair	Galen 90% Wetness Exchange capacity
46B	Galen fine sandy loam, 3 to 8 percent slopes	Fair	Galen 90% Wetness Exchange capacity
48A	Arkport fine sandy loam, 0 to 3 percent slopes	Fair	Arkport 95% Exchange capacity Too sandy Dunkirk 3% Exchange capacity Galen 2% Wetness Exchange capacity
48B	Arkport fine sandy loam, 3 to 8 percent slopes	Fair	Arkport 95% Exchange capacity Too sandy Dunkirk 3% Exchange capacity Galen 2% Wetness Exchange capacity
48C	Arkport fine sandy loam, 8 to 15 percent slopes	Fair	Arkport 95% Slope Exchange capacity Too sandy Dunkirk 3% Slope Exchange capacity Galen 2% Wetness Exchange capacity
48D	Arkport fine sandy loam, 15 to 25 percent slopes	Poor	Arkport 90% Slope Exchange capacity Too sandy Dunkirk 8% Slope Exchange capacity Palmyra 2% Slope Rock fragments Exchange capacity
49B	Arkport loamy fine sand, 3 to 8 percent slopes	Fair	Arkport 95% Too sandy Exchange capacity Dunkirk 3% Exchange capacity Galen 2% Wetness Exchange capacity

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49D	Arkport loamy fine sand, 15 to 25 percent slopes	Poor	Arkport 95% Slope Too sandy Exchange capacity Dunkirk 3% Slope Exchange capacity Palmyra 2% Slope Rock fragments Exchange capacity
49E	Arkport loamy fine sand, 25 to 35 percent slopes	Poor	Arkport 90% Slope Too sandy Exchange capacity Dunkirk 8% Slope Exchange capacity Palmyra 2% Slope Rock fragments Exchange capacity
49F	Arkport loamy fine sand, 35 to 55 percent slopes	Poor	Arkport 90% Slope Too sandy Exchange capacity Dunkirk 8% Slope Exchange capacity Palmyra 2% Slope Rock fragments Exchange capacity
50B	Dunkirk-Arkport complex, 3 to 8 percent slopes	Fair	Dunkirk 50% Exchange capacity Arkport 45% Exchange capacity Too sandy Collamer 5% Wetness Exchange capacity Rock fragments
50C	Dunkirk-Arkport complex, 8 to 15 percent slopes	Fair	Dunkirk 60% Slope Exchange capacity Arkport 35% Slope Exchange capacity Too sandy Collamer 5% Wetness Slope Exchange capacity Rock fragments

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50D	Dunkirk-Arkport complex, 15 to 25 percent slopes	Poor	Dunkirk 60% Slope Exchange capacity Arkport 35% Slope Exchange capacity Too sandy Collamer 5% Slope Wetness Exchange capacity Rock fragments
53A	Lamson fine sandy loam, 0 to 3 percent slopes	Poor	Lamson 90% Wetness Exchange capacity Too sandy Lamson 5% Wetness Too sandy Exchange capacity Canandaigua 3% Wetness Exchange capacity
54A	Lamson mucky fine sandy loam, 0 to 3 percent slopes	Poor	Lamson 90% Wetness Too sandy Exchange capacity Canandaigua 5% Wetness Exchange capacity Lamson 5% Wetness Exchange capacity Too sandy
56A	Elnora loamy fine sand, 0 to 3 percent slopes	Poor	Elnora 90% Too sandy Wetness Exchange capacity Aeric Epiaquepts 10% Wetness Exchange capacity
58B	Colonie loamy fine sand, 3 to 8 percent slopes	Fair	Colonie 95% Too sandy Exchange capacity
58C	Colonie loamy fine sand, 8 to 15 percent slopes	Fair	Colonie 95% Too sandy Exchange capacity Slope
62B	Mardin channery silt loam, 3 to 8 percent slopes	Fair	Mardin 85% Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Bath 5% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Wetness

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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
62C	Mardin channery silt loam, 8 to 15 percent slopes	Fair	Mardin 88% Hard to reclaim (rock fragments) Wetness Rock fragments Slope Exchange capacity
62D	Mardin channery silt loam, 15 to 25 percent slopes	Poor	Mardin 85% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Lordstown 5% Slope Rock fragments Depth to bedrock Exchange capacity Too acid Volusia 5% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Bath 5% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Wetness
62E	Mardin channery silt loam, 25 to 35 percent slopes	Poor	Mardin 80% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Bath 8% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Wetness Lordstown, very stony 7% Slope Rock fragments Exchange capacity Depth to bedrock Too acid Volusia 5% Wetness Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity

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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
63B	Langford channery silt loam, 3 to 8 percent slopes	Fair	Langford 85% Rock fragments Wetness Hard to reclaim (rock fragments) Exchange capacity Schuyler 5% Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Too acid
63C	Langford channery silt loam, 8 to 15 percent slopes	Fair	Langford 85% Rock fragments Wetness Slope Hard to reclaim (rock fragments) Exchange capacity Chadakoin 5% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Schuyler 5% Hard to reclaim (rock fragments) Wetness Slope Rock fragments Exchange capacity
63D	Langford channery silt loam, 15 to 25 percent slopes	Poor	Langford 80% Slope Rock fragments Wetness Exchange capacity Hard to reclaim (rock fragments) Erie 5% Wetness Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments) Schuyler 5% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Towerville 5% Slope Wetness Depth to bedrock Exchange capacity Rock fragments Chadakoin 5% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid



# Topsoil Source

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Ontario County, New York

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

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64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Fair	Langford 50% Rock fragments Wetness Hard to reclaim (rock fragments) Exchange capacity
66A	Lyons soils, 0 to 3 percent slopes	Poor	Lyons 75% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lyons, frequently ponded 15% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Appleton 3% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Canandaigua 3% Wetness Exchange capacity Kendaia 2% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Palms, undrained 1% Wetness Organic matter content high Ilion 1% Wetness Hard to reclaim (rock fragments) Rock fragments
68A	Volusia channery silt loam, 0 to 3 percent slopes	Poor	Volusia 90% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Chippewa 5% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments)
68B	Volusia channery silt loam, 3 to 8 percent slopes	Poor	Volusia 90% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Chippewa 5% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments)

# Topsoil Source

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	Poor	Volusia 90% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Mardin 6% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Chippewa 4% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments
68D	Volusia channery silt loam, 15 to 25 percent slopes	Poor	Volusia 90% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Mardin 7% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Chippewa 3% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments)
69A	Erie channery silt loam, 0 to 3 percent slopes	Poor	Erie 80% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments) Chippewa 10% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments) Fremont 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid

# Topsoil Source

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
69B	Erie channery silt loam, 3 to 8 percent slopes	Poor	Erie 80% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments) Chippewa 5% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments) Fremont 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid
69C	Erie channery silt loam, 8 to 15 percent slopes	Poor	Erie 80% Wetness Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments) Langford 10% Slope Rock fragments Wetness Exchange capacity Hard to reclaim (rock fragments) Fremont 5% Wetness Hard to reclaim (rock fragments) Slope Rock fragments Exchange capacity Chippewa 5% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments)
71A	Darien silt loam, 0 to 3 percent slopes	Fair	Darien 95% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Angola 1% Wetness Depth to bedrock Exchange capacity
71B	Darien silt loam, 3 to 8 percent slopes	Fair	Darien 95% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Angola 1% Wetness Depth to bedrock Exchange capacity

# Topsoil Source

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

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71C	Darien silt loam, 8 to 15 percent slopes	Fair	Darien 95% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Angola 1% Wetness Depth to bedrock Slope Exchange capacity
72A	Darien-Ilion silt loams, 0 to 3 percent slopes	Fair	Darien 68% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Angola 5% Wetness Depth to bedrock Exchange capacity
72B	Darien-Ilion silt loams, 3 to 8 percent slopes	Fair	Darien 68% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Angola 5% Wetness Depth to bedrock Exchange capacity
73B	Gretor silt loam, 3 to 8 percent slopes	Fair	Gretor 95% Wetness Depth to bedrock Rock fragments Exchange capacity Too acid
73C	Gretor silt loam, 8 to 15 percent slopes	Fair	Gretor 95% Wetness Depth to bedrock Rock fragments Slope Exchange capacity
73D	Gretor channery silt loam, 15 to 25 percent slopes	Poor	Gretor 90% Slope Wetness Depth to bedrock Rock fragments Exchange capacity Mongaup, very stony 8% Slope Rock fragments Depth to bedrock Exchange capacity Too acid Gretor, poorly drained 2% Wetness Depth to bedrock Rock fragments Exchange capacity Too acid

# Topsoil Source

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Tie-break Rule: Higher

Ontario County, New York

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

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76B	Orpark silt loam, 3 to 8 percent slopes	Fair	Orpark 95% Wetness Depth to bedrock Exchange capacity Rock fragments Too acid
76C	Orpark silt loam, 8 to 15 percent slopes	Fair	Orpark 95% Wetness Depth to bedrock Exchange capacity Slope Rock fragments
76D	Orpark channery silt loam, 15 to 25 percent slopes	Poor	Orpark 90% Slope Wetness Depth to bedrock Exchange capacity Rock fragments Orpark, poorly drained 5% Wetness Depth to bedrock Exchange capacity Rock fragments Too acid Lordstown, very stony 5% Slope Rock fragments Depth to bedrock Exchange capacity Too acid
77A	Chippewa silt loam, 0 to 3 percent slopes	Poor	Chippewa 85% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments Chippewa, very poorly drained 10% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Volusia 5% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity
77B	Chippewa silt loam, 3 to 8 percent slopes	Poor	Chippewa 85% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments Volusia 10% Wetness Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Chippewa, very poorly drained 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity

# Topsoil Source

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

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82B	Manlius channery silt loam, 3 to 8 percent slopes	Poor	Manlius 95% Rock fragments Exchange capacity Too acid Depth to bedrock
82C	Manlius channery silt loam, 8 to 15 percent slopes	Poor	Manlius 95% Rock fragments Slope Exchange capacity Too acid Depth to bedrock
82D	Manlius channery silt loam, 15 to 25 percent slopes	Poor	Manlius 95% Slope Rock fragments Exchange capacity Too acid Depth to bedrock Arnot, very stony 4% Rock fragments Slope Depth to bedrock Exchange capacity Too acid Gretor 1% Slope Wetness Depth to bedrock Rock fragments Exchange capacity
91A	Palms muck, 0 to 3 percent slopes	Poor	Palms, undrained 55% Wetness Organic matter content high Palms, drained 40% Wetness Organic matter content high Canandaigua 5% Wetness
92A	Carlisle muck, 0 to 3 percent slopes	Poor	Carlisle, undrained 45% Wetness Organic matter content high Carlisle, drained 40% Wetness Organic matter content high Palms, undrained 10% Wetness Organic matter content high Canandaigua 5% Wetness

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

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93A	Edwards muck, 0 to 3 percent slopes	Poor	Edwards, undrained 50% Wetness Organic matter content high Carbonate content Edwards, drained 35% Wetness Organic matter content high Carbonate content Martisco, undrained 10% Wetness Carbonate content Exchange capacity Canandaigua 5% Wetness
94A	Martisco muck, 0 to 3 percent slopes	Poor	Martisco, undrained 55% Wetness Carbonate content Exchange capacity Martisco, drained 35% Wetness Carbonate content Exchange capacity Canandaigua 5% Wetness Palms, drained 5% Wetness Organic matter content high
95A	Saprists, 0 to 3 percent slopes, inundated	Poor	Saprists, inundated 85% Wetness Organic matter content high Palms, undrained 5% Wetness Organic matter content high Fluvaquents, frequently flooded 5% Wetness Hard to reclaim (rock fragments) Rock fragments Too sandy Exchange capacity Carlisle, undrained 5% Wetness Organic matter content high
101A	Honeoye loam, 0 to 3 percent slopes	Fair	Honeoye 85% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lima 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Lansing 4% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Wassaic 2% Rock fragments Depth to bedrock Exchange capacity

# Topsoil Source

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
101B	Honeoye loam, 3 to 8 percent slopes	Fair	Honeoye 85% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lima 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Lansing 4% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Wasaiaic 2% Rock fragments Depth to bedrock Exchange capacity
101C	Honeoye loam, 8 to 15 percent slopes	Fair	Honeoye 85% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Lima 5% Rock fragments Hard to reclaim (rock fragments) Wetness Slope Exchange capacity Lansing 4% Rock fragments Hard to reclaim (rock fragments) Slope Exchange capacity Wasaiaic 2% Rock fragments Slope Depth to bedrock Exchange capacity



# Topsoil Source

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
101D	Honeoye loam, 15 to 25 percent slopes	Poor	Honeoye 85% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lima 5% Slope Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Lansing 4% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Kendaia 4% Wetness Rock fragments Hard to reclaim (rock fragments) Slope Exchange capacity Wassaic 2% Slope Rock fragments Depth to bedrock Exchange capacity
101E	Honeoye loam, 25 to 35 percent slopes	Poor	Honeoye 85% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lima 5% Slope Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Kendaia 4% Wetness Rock fragments Hard to reclaim (rock fragments) Slope Exchange capacity Lansing 4% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Wassaic 2% Slope Rock fragments Depth to bedrock Exchange capacity

# Topsoil Source

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
104A	Honeoye loam, 0 to 3 percent slopes, lower clay surface	Fair	Honeoye, lower clay surface 85% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lima 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Lansing 4% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Wassaic 2% Rock fragments Depth to bedrock Exchange capacity
104B	Honeoye loam, 3 to 8 percent slopes, lower clay surface	Fair	Honeoye, lower clay surface 85% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lima 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Lansing 4% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Wassaic 2% Rock fragments Depth to bedrock Exchange capacity
104C	Honeoye loam, 8 to 15 percent slopes, lower clay surface	Fair	Honeoye, lower clay surface 85% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Lima 5% Rock fragments Hard to reclaim (rock fragments) Wetness Slope Exchange capacity Lansing 4% Rock fragments Hard to reclaim (rock fragments) Slope Exchange capacity Wassaic 2% Rock fragments Slope Depth to bedrock Exchange capacity

# Topsoil Source

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
106B	Danley-Lansing complex, 3 to 8 percent slopes	Fair	Danley 50% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Lansing 45% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Conesus 2% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity
107B	Conesus-Lansing complex, 3 to 8 percent slopes	Fair	Conesus 50% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Lansing 45% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Danley 1% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity
108C	Lansing loam, 8 to 15 percent slopes	Fair	Lansing 85% Rock fragments Hard to reclaim (rock fragments) Slope Exchange capacity Conesus 8% Rock fragments Hard to reclaim (rock fragments) Wetness Slope Exchange capacity Danley 1% Wetness Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Wassaic 1% Rock fragments Depth to bedrock Slope Exchange capacity

# Topsoil Source

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
108D	Lansing loam, 15 to 25 percent slopes	Poor	Lansing 85% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Conesus 9% Slope Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Wassaic 3% Slope Rock fragments Depth to bedrock Exchange capacity Kendaia 2% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Slope Appleton 1% Wetness Rock fragments Slope Hard to reclaim (rock fragments) Exchange capacity
108E	Lansing loam, 25 to 35 percent slopes	Poor	Lansing 85% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Cazenovia 10% Slope Wetness Rock fragments Exchange capacity Aurora 5% Slope Wetness Rock fragments Exchange capacity Depth to bedrock
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Fair	Ontario 85% Rock fragments Exchange capacity Hard to reclaim (rock fragments) Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Hilton 5% Rock fragments Wetness Exchange capacity Hard to reclaim (rock fragments) Cazenovia 3% Rock fragments Wetness Exchange capacity

# Topsoil Source

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
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Fair	Ontario 85% Rock fragments Slope Exchange capacity Hard to reclaim (rock fragments) Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Hilton 5% Rock fragments Wetness Slope Exchange capacity Hard to reclaim (rock fragments) Cazenovia 3% Rock fragments Slope Wetness Exchange capacity
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Poor	Ontario 85% Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments) Cazenovia 5% Slope Rock fragments Wetness Exchange capacity Honeoye 5% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Appleton 2% Wetness Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments)

# Topsoil Source

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
112E	Ontario fine sandy loam, 25 to 35 percent slopes	Poor	Ontario 85% Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments) Cazenovia 5% Slope Rock fragments Wetness Exchange capacity Honeoye 5% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Appleton 2% Wetness Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments)
114B	Ontario gravelly loam, 3 to 8 percent slopes	Fair	Ontario 85% Rock fragments Exchange capacity Hard to reclaim (rock fragments) Hilton 5% Rock fragments Wetness Exchange capacity Hard to reclaim (rock fragments) Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Cazenovia 3% Rock fragments Wetness Exchange capacity
114C	Ontario gravelly loam, 8 to 15 percent slopes	Fair	Ontario 85% Rock fragments Slope Exchange capacity Hard to reclaim (rock fragments) Hilton 5% Rock fragments Wetness Slope Exchange capacity Hard to reclaim (rock fragments) Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Cazenovia 3% Rock fragments Slope Wetness Exchange capacity

# Topsoil Source

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
114D	Ontario gravelly loam, 15 to 25 percent slopes	Poor	Ontario 85% Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments) Honeoye 5% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Appleton 2% Wetness Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments)
116B	Ontario loam, 3 to 8 percent slopes	Fair	Ontario 85% Rock fragments Exchange capacity Hard to reclaim (rock fragments) Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Hilton 5% Rock fragments Wetness Exchange capacity Hard to reclaim (rock fragments) Cazenovia 3% Rock fragments Wetness Exchange capacity
116C	Ontario loam, 8 to 15 percent slopes	Fair	Ontario 85% Rock fragments Slope Exchange capacity Hard to reclaim (rock fragments) Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Hilton 5% Rock fragments Wetness Slope Exchange capacity Hard to reclaim (rock fragments) Cazenovia 3% Rock fragments Slope Wetness Exchange capacity

# Topsoil Source

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
116D	Ontario loam, 15 to 25 percent slopes	Poor	Ontario 85% Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments) Cazenovia 5% Slope Rock fragments Wetness Exchange capacity Honeoye 5% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Appleton 2% Wetness Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments)
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Poor	Ontario 40% Slope Rock fragments Exchange capacity Hard to reclaim (rock fragments) Honeoye 35% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Lansing 20% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Aurora 5% Slope Wetness Rock fragments Exchange capacity Depth to bedrock
120E	Palmyra and Howard soils, 25 to 45 percent slopes	Poor	Palmyra 55% Hard to reclaim (rock fragments) Slope Rock fragments Exchange capacity Howard 40% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Colonie 5% Slope Too sandy Exchange capacity
122A	Palmyra cobbly loam, 0 to 3 percent slopes	Poor	Palmyra 95% Hard to reclaim (rock fragments) Rock fragments Exchange capacity



# Topsoil Source

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
122B	Palmyra cobbly loam, 3 to 8 percent slopes	Poor	Palmyra 95% Hard to reclaim (rock fragments) Rock fragments Exchange capacity
124A	Palmyra fine sandy loam, 0 to 3 percent slopes	Poor	Palmyra 90% Rock fragments Exchange capacity Howard 10% Hard to reclaim (rock fragments) Rock fragments Exchange capacity
124B	Palmyra fine sandy loam, 3 to 8 percent slopes	Poor	Palmyra 90% Rock fragments Exchange capacity Howard 10% Hard to reclaim (rock fragments) Rock fragments Exchange capacity
126A	Palmyra gravelly loam, 0 to 3 percent slopes	Poor	Palmyra 95% Hard to reclaim (rock fragments) Rock fragments Exchange capacity
126B	Palmyra gravelly loam, 3 to 8 percent slopes	Poor	Palmyra 95% Hard to reclaim (rock fragments) Rock fragments Exchange capacity
126C	Palmyra gravelly loam, 8 to 15 percent slopes	Poor	Palmyra 90% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity
126D	Palmyra gravelly loam, 15 to 25 percent slopes	Poor	Palmyra 90% Hard to reclaim (rock fragments) Slope Rock fragments Exchange capacity Arkport 10% Slope Exchange capacity Too sandy
128A	Palmyra gravelly sandy loam, 0 to 3 percent slopes	Poor	Palmyra 90% Hard to reclaim (rock fragments) Rock fragments Exchange capacity
128B	Palmyra gravelly sandy loam, 3 to 8 percent slopes	Poor	Palmyra 90% Hard to reclaim (rock fragments) Rock fragments Exchange capacity
128C	Palmyra gravelly sandy loam, 8 to 15 percent slopes	Poor	Palmyra 90% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity

# Topsoil Source

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
130A	Farmington loam, 0 to 3 percent slopes	Poor	Farmington 90% Depth to bedrock Exchange capacity Rock fragments Galoo 5% Depth to bedrock Exchange capacity Rock fragments
130B	Farmington loam, 3 to 8 percent slopes	Poor	Farmington 90% Depth to bedrock Exchange capacity Rock fragments Galoo 5% Depth to bedrock Exchange capacity Rock fragments
132A	Galoo loam, 0 to 3 percent slopes, rocky	Poor	Galoo 95% Depth to bedrock Exchange capacity Rock fragments
132B	Galoo loam, 3 to 8 percent slopes, rocky	Poor	Galoo 95% Depth to bedrock Exchange capacity Rock fragments
134A	Camillus silt loam, 0 to 3 percent slopes	Fair	Camillus 95% Depth to bedrock Exchange capacity Rock fragments Angola 5% Wetness Depth to bedrock Exchange capacity
134B	Camillus silt loam, 3 to 8 percent slopes	Fair	Camillus 95% Depth to bedrock Exchange capacity Rock fragments Angola 5% Wetness Depth to bedrock Exchange capacity
151C	Willdin-Norchip complex, 3 to 15 percent slopes	Fair	Willdin 60% Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Too acid

# Topsoil Source

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
152B	Valois gravelly loam, 3 to 8 percent slopes	Poor	Valois 85% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Cadosia 5% Rock fragments Hard to reclaim (rock fragments) Exchange capacity Too acid Volusia 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity
152C	Valois gravelly loam, 8 to 15 percent slopes	Poor	Valois 85% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Too acid Cadosia 5% Rock fragments Hard to reclaim (rock fragments) Slope Exchange capacity Too acid Volusia 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity
152D	Valois gravelly loam, 15 to 25 percent slopes	Poor	Valois 85% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Cadosia 6% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Too acid Mardin 6% Slope Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Volusia 3% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity

# Topsoil Source

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	Poor	Valois 85% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Cadosia 6% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Too acid Mardin 6% Slope Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Towerville, extremely stony 3% Slope Rock fragments Depth to bedrock Wetness Exchange capacity
153B	Valois gravelly loam, cool, 3 to 8 percent slopes	Poor	Valois, cool 85% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Ontusia 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Rockrift 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Willdin 5% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Too acid

# Topsoil Source

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
153C	Valois gravelly loam, cool, 8 to 15 percent slopes	Poor	Valois, cool 85% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Too acid Ontusia 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Rockrift 5% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Too acid Willdin 5% Rock fragments Hard to reclaim (rock fragments) Wetness Slope Exchange capacity
153D	Valois gravelly loam, cool, 15 to 25 percent slopes	Poor	Valois, cool 85% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Rockrift 6% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Willdin 6% Slope Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Ontusia 3% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity

# Topsoil Source

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
153E	Valois gravelly loam, cool, 25 to 35 percent slopes	Poor	Valois, cool 85% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Rockrift 6% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Willdin 6% Slope Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Ischua 3% Slope Rock fragments Depth to bedrock Wetness Exchange capacity
162B	Willdin channery silt loam, 3 to 8 percent slopes	Fair	Willdin 85% Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Too acid Lewbath 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Slope Wetness
162C	Willdin channery silt loam, 8 to 15 percent slopes	Fair	Willdin 85% Hard to reclaim (rock fragments) Wetness Rock fragments Slope Exchange capacity

# Topsoil Source

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	Poor	Willdin 80% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Lewbath 10% Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Wetness Mongaup 5% Rock fragments Slope Exchange capacity Depth to bedrock Too acid Ontusia 5% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity
168A	Ontusia channery silt loam, 0 to 3 percent slopes	Poor	Ontusia 88% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Norchip 5% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments)
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Poor	Ontusia 90% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Norchip 5% Wetness Rock fragments Exchange capacity Hard to reclaim (rock fragments)
168C	Ontusia channery silt loam, 8 to 15 percent slopes	Poor	Ontusia 90% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Norchip 5% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments Willdin 5% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity

# Topsoil Source

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
168D	Ontusia channery silt loam, 15 to 25 percent slopes	Poor	Ontusia 90% Wetness Slope Hard to reclaim (rock fragments) Rock fragments Exchange capacity Willdin 7% Slope Hard to reclaim (rock fragments) Wetness Rock fragments Exchange capacity Norchip 3% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments
171C	Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes, very stony	Poor	Lordstown, very stony 40% Rock fragments Slope Depth to bedrock Exchange capacity Too acid Towerville, very stony 20% Rock fragments Depth to bedrock Wetness Exchange capacity Slope Manlius, very stony 20% Rock fragments Slope Exchange capacity Depth to bedrock Too acid Cadosia, very stony 10% Rock fragments Hard to reclaim (rock fragments) Slope Exchange capacity Too acid Arnot, very stony 5% Rock fragments Depth to bedrock Exchange capacity Slope Too acid



# Topsoil Source

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	Poor	<p>Lordstown, very stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Manlius, very stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Exchange capacity</li> <li>Depth to bedrock</li> <li>Too acid</li> </ul> <p>Towerville, very stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Wetness</li> <li>Exchange capacity</li> </ul> <p>Cadosia, very stony 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Hard to reclaim (rock fragments)</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Arnot, very stony 5%</p> <ul style="list-style-type: none"> <li>Rock fragments</li> <li>Slope</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul>

# Topsoil Source

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	Poor	<p>Lordstown, extremely stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Wetness</li> <li>Exchange capacity</li> </ul> <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Exchange capacity</li> <li>Depth to bedrock</li> <li>Too acid</li> </ul> <p>Cadosia, extremely stony 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Hard to reclaim (rock fragments)</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Arnot, very stony 5%</p> <ul style="list-style-type: none"> <li>Rock fragments</li> <li>Slope</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Mardin, extremely stony 5%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Hard to reclaim (rock fragments)</li> <li>Wetness</li> <li>Rock fragments</li> <li>Exchange capacity</li> </ul>

# Topsoil Source

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	Poor	<p>Lordstown, extremely stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Wetness</li> <li>Exchange capacity</li> </ul> <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Exchange capacity</li> <li>Depth to bedrock</li> <li>Too acid</li> </ul> <p>Arnot, extremely stony 10%</p> <ul style="list-style-type: none"> <li>Rock fragments</li> <li>Slope</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Cadosia, extremely stony 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Hard to reclaim (rock fragments)</li> <li>Exchange capacity</li> <li>Too acid</li> </ul>
177A	Norchip silt loam, 0 to 3 percent slopes	Poor	<p>Norchip 85%</p> <ul style="list-style-type: none"> <li>Wetness</li> <li>Exchange capacity</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> </ul> <p>Norchip, very poorly drained 10%</p> <ul style="list-style-type: none"> <li>Wetness</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> <li>Exchange capacity</li> </ul> <p>Ontusia 5%</p> <ul style="list-style-type: none"> <li>Wetness</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> <li>Exchange capacity</li> </ul>
177B	Norchip silt loam, 3 to 8 percent slopes	Poor	<p>Norchip 85%</p> <ul style="list-style-type: none"> <li>Wetness</li> <li>Exchange capacity</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> </ul> <p>Norchip, very poorly drained 10%</p> <ul style="list-style-type: none"> <li>Wetness</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> <li>Exchange capacity</li> </ul> <p>Ontusia 5%</p> <ul style="list-style-type: none"> <li>Wetness</li> <li>Slope</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> <li>Exchange capacity</li> </ul>

# Topsoil Source

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
181B	Mongaup-Ischua complex, 3 to 8 percent slopes	Poor	Mongaup 45% Rock fragments Depth to bedrock Exchange capacity Too acid Ischua 40% Rock fragments Depth to bedrock Wetness Exchange capacity Too acid Rockrift 10% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Willdin 3% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Too acid
181C	Mongaup-Ischua complex, 8 to 15 percent slopes	Poor	Mongaup 45% Rock fragments Depth to bedrock Slope Exchange capacity Too acid Ischua 40% Rock fragments Depth to bedrock Wetness Exchange capacity Slope Rockrift 10% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Too acid Willdin 3% Rock fragments Hard to reclaim (rock fragments) Wetness Slope Exchange capacity

# Topsoil Source

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
181D	Mongaup-Ischua complex, 15 to 25 percent slopes, very stony	Poor	<p>Mongaup, very stony 45%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Ischua, very stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Wetness</li> <li>Exchange capacity</li> </ul> <p>Rockrift 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Willdin 3%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Hard to reclaim (rock fragments)</li> <li>Wetness</li> <li>Exchange capacity</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Wetness</li> <li>Depth to bedrock</li> <li>Rock fragments</li> <li>Exchange capacity</li> </ul>
181E	Mongaup-Ischua complex, 25 to 35 percent slopes, extremely stony	Poor	<p>Mongaup, extremely stony 45%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Ischua, extremely stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Depth to bedrock</li> <li>Wetness</li> <li>Exchange capacity</li> </ul> <p>Rockrift 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Hard to reclaim (rock fragments)</li> <li>Rock fragments</li> <li>Exchange capacity</li> <li>Too acid</li> </ul> <p>Willdin 3%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Rock fragments</li> <li>Hard to reclaim (rock fragments)</li> <li>Wetness</li> <li>Exchange capacity</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Wetness</li> <li>Depth to bedrock</li> <li>Rock fragments</li> <li>Exchange capacity</li> </ul>

# Topsoil Source

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
182B	Mongaup channery loam, 3 to 8 percent slopes	Poor	Mongaup 75% Rock fragments Depth to bedrock Exchange capacity Rockrift 10% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Too acid Willdin 8% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Too acid Ischua 5% Rock fragments Depth to bedrock Wetness Exchange capacity Too acid
182C	Mongaup channery loam, 8 to 15 percent slopes	Poor	Mongaup 75% Rock fragments Depth to bedrock Slope Exchange capacity Rockrift 10% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Too acid Willdin 8% Rock fragments Hard to reclaim (rock fragments) Wetness Slope Exchange capacity Ischua 5% Rock fragments Depth to bedrock Wetness Exchange capacity Slope
201A	Lima loam, 0 to 3 percent slopes	Fair	Lima 85% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Cazenovia 2% Wetness Rock fragments Exchange capacity

# Topsoil Source

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	Fair	Lima 85% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Honeoye 6% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Cazenovia 2% Wetness Rock fragments Exchange capacity
201C	Lima loam, 8 to 15 percent slopes	Fair	Lima 85% Rock fragments Hard to reclaim (rock fragments) Wetness Slope Exchange capacity Honeoye 7% Hard to reclaim (rock fragments) Rock fragments Slope Exchange capacity Cazenovia 2% Wetness Rock fragments Slope Exchange capacity
204A	Lima loam, 0 to 3 percent slopes, lower clay surface	Fair	Lima 85% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Honeoye 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Cazenovia 2% Wetness Rock fragments Exchange capacity
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	Fair	Lima 85% Rock fragments Hard to reclaim (rock fragments) Wetness Exchange capacity Honeoye 6% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Cazenovia 2% Wetness Rock fragments Exchange capacity
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Poor	Phelps 85% Hard to reclaim (rock fragments) Rock fragments Wetness Exchange capacity

# Topsoil Source

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
210B	Phelps gravelly silt loam, 3 to 8 percent slopes	Poor	Phelps 85% Hard to reclaim (rock fragments) Rock fragments Wetness Exchange capacity
212A	Nuhi silt loam, 0 to 3 percent slopes	Fair	Nuhi 85% Wetness Depth to bedrock Rock fragments Exchange capacity
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Fair	Aurora 60% Wetness Rock fragments Exchange capacity Depth to bedrock Angola 30% Wetness Depth to bedrock Exchange capacity Danley 5% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Darlen 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Fair	Aurora 60% Wetness Slope Rock fragments Exchange capacity Depth to bedrock Angola 30% Wetness Depth to bedrock Slope Exchange capacity Darlen 5% Wetness Hard to reclaim (rock fragments) Slope Rock fragments Exchange capacity Danley 5% Wetness Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity



# Topsoil Source

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	Poor	Aurora 60% Slope Wetness Rock fragments Exchange capacity Depth to bedrock Angola 30% Slope Wetness Depth to bedrock Exchange capacity Darien 5% Slope Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Danley 5% Slope Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity
241B	Aurora silt loam, 3 to 8 percent slopes	Fair	Aurora 85% Wetness Rock fragments Exchange capacity Depth to bedrock Angola 10% Wetness Depth to bedrock Exchange capacity Danley 5% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity
241C	Aurora silt loam, 8 to 15 percent slopes	Fair	Aurora 85% Wetness Slope Rock fragments Exchange capacity Depth to bedrock Angola 8% Wetness Depth to bedrock Slope Exchange capacity Danley 7% Wetness Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity

# Topsoil Source

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	Poor	Aurora 85% Slope Wetness Rock fragments Exchange capacity Depth to bedrock Danley 10% Slope Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Angola 5% Slope Wetness Depth to bedrock Exchange capacity
255B	Cazenovia silt loam, 3 to 8 percent slopes	Fair	Cazenovia 85% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Ovid 10% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Cayuga 5% Hard to reclaim (rock fragments) Too clayey Wetness
255C	Cazenovia silt loam, 8 to 15 percent slopes	Fair	Cazenovia 85% Slope Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Cayuga 8% Slope Hard to reclaim (rock fragments) Too clayey Wetness Ovid 7% Wetness Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity
255D	Cazenovia silt loam, 15 to 25 percent slopes	Poor	Cazenovia 85% Slope Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Cayuga 10% Slope Hard to reclaim (rock fragments) Too clayey Wetness

# Topsoil Source

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	Fair	Cayuga 85% Hard to reclaim (rock fragments) Too clayey Wetness
260C	Cayuga silt loam, 8 to 15 percent slopes	Fair	Cayuga 85% Hard to reclaim (rock fragments) Too clayey Wetness Slope
260D	Cayuga silt loam, 15 to 25 percent slopes	Poor	Cayuga 85% Slope Hard to reclaim (rock fragments) Too clayey Wetness Lansing 10% Slope Rock fragments Hard to reclaim (rock fragments) Exchange capacity Schoharie 5% Slope Too clayey Wetness
304A	Kendaia loam, 0 to 3 percent slopes	Poor	Kendaia 85% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Lyons 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Churchville 2% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments
304B	Kendaia loam, 3 to 8 percent slopes	Poor	Kendaia 85% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity Lyons 4% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity Churchville 2% Wetness Exchange capacity Hard to reclaim (rock fragments) Rock fragments

# Topsoil Source

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
342A	Angola silt loam, 0 to 3 percent slopes	Fair	Angola 90% Wetness Depth to bedrock Exchange capacity Darrien 5% Wetness Hard to reclaim (rock fragments) Rock fragments Exchange capacity
356A	Ovid silt loam, 0 to 3 percent slopes	Fair	Ovid 85% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity
356B	Ovid silt loam, 3 to 8 percent slopes	Fair	Ovid 85% Wetness Rock fragments Hard to reclaim (rock fragments) Exchange capacity
357B	Ovid silty clay loam, 3 to 8 percent slopes	Fair	Ovid 85% Wetness Rock fragments Too clayey Exchange capacity
357C	Ovid silty clay loam, 8 to 15 percent slopes	Fair	Ovid 85% Wetness Rock fragments Too clayey Slope Exchange capacity
400A	Udorthents, loamy, 0 to 3 percent slopes	Poor	Udorthents, loamy 80% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Howard 5% Hard to reclaim (rock fragments) Rock fragments Exchange capacity Palmyra 5% Rock fragments Exchange capacity
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%

# Topsoil Source

## Rating Options

Attribute Name: Topsoil Source

ENG - Engineering

Topsoil is used to cover an area so that vegetation can be established and maintained. The surface layer of most soils is generally preferred for topsoil because of its content of organic matter. Organic matter greatly increases the absorption and retention of moisture and nutrients for plant growth.

The upper 40 inches of a soil is evaluated for use as topsoil. Also evaluated is the reclamation potential of the borrow area. Normal compaction, minor processing, and other standard construction practices are assumed.

The soils are rated "good," "fair," or "poor" as potential sources of topsoil. The ratings are based on the soil properties that affect plant growth; the ease of excavating, loading, and spreading the material; and reclamation of the borrow area. Toxic substances, soil reaction, and the properties that are inferred from soil texture, such as available water capacity and fertility, affect plant growth. The ease of excavating, loading, and spreading is affected by rock fragments, slope, depth to a water table, soil texture, and thickness of suitable material. Reclamation of the borrow area is affected by slope, depth to a water table, rock fragments, depth to bedrock or a cemented pan, and toxic material.

Numerical ratings between 0.00 and 0.99 are given after the specified features. These numbers indicate the degree to which the features limit the soils as sources of topsoil. The lower the number, the greater the limitation.

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, 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.