

# Unpaved Local Roads and Streets

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 Frost action Flooding Udifluvents, frequently flooded 40% Flooding Frost action Depth to saturated zone Dusty Wayland 10% Depth to saturated zone Frost action Flooding Low strength Dusty Naples Creek 5% Frost action Flooding Depth to saturated zone Low strength Dusty
2A	Geneseo silty clay loam, 0 to 3 percent slopes	Very limited	Geneseo 90% Frost action Flooding Low strength Dusty Naples Creek 10% Frost action Flooding Depth to saturated zone Low strength Dusty
3A	Hemlock silty clay loam, 0 to 3 percent slopes	Very limited	Hemlock 90% Frost action Flooding Low strength Depth to saturated zone Dusty Naples Creek 10% Frost action Flooding Depth to saturated zone Low strength Dusty

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4A	Naples Creek silty clay loam, 0 to 3 percent slopes	Very limited	Naples Creek 90% Frost action Flooding Depth to saturated zone Low strength Dusty Wayland 5% Depth to saturated zone Frost action Flooding Low strength Dusty Hemlock 5% Frost action Flooding Low strength Depth to saturated zone Dusty
5A	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Very limited	Wayland 60% Depth to saturated zone Frost action Flooding Low strength Dusty Wayland, very poorly drained 30% Ponding Depth to saturated zone Frost action Flooding Low strength Wakeville 10% Frost action Flooding Depth to saturated zone Dusty
12D	Rockrift channery silt loam, 15 to 25 percent slopes	Very limited	Rockrift 85% Slope Frost action Large stones Dusty Mongaup, very stony 10% Slope Depth to hard bedrock Frost action Dusty Willdin 5% Slope Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan
13F	Rock outcrop-Arnot complex, 25 to 70 percent slopes	Not rated	Rock outcrop 55%

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14D	Cadosia channery silt loam, 15 to 25 percent slopes	Very limited	Cadosia 85% Slope Frost action Dusty Large stones Lordstown, very stony 10% Slope Depth to hard bedrock Frost action Dusty Mardin 5% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty
15A	Guyanoga channery silt loam, fan, 0 to 3 percent slopes	Somewhat limited	Guyanoga, fan 90% Frost action Flooding Large stones Dusty Chenango, fan 5% Frost action Flooding Dusty
15B	Guyanoga channery silt loam, fan, 3 to 8 percent slopes	Somewhat limited	Guyanoga, fan 90% Frost action Flooding Large stones Dusty Chenango, fan 5% Frost action Flooding Dusty
16A	Almond channery silt loam, 0 to 3 percent slopes	Very limited	Almond 80% Depth to saturated zone Frost action Low strength Dusty Norchip 8% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Ontusia 7% Depth to saturated zone Depth to thin cemented pan Frost action Dusty Gretor 5% Frost action Depth to saturated zone Depth to hard bedrock Low strength Dusty

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16B	Almond channery silt loam, 3 to 8 percent slopes	Very limited	Almond 80% Depth to saturated zone Frost action Low strength Dusty Gretor 5% Frost action Depth to saturated zone Depth to hard bedrock Slope Low strength Ontusia 5% Depth to saturated zone Depth to thin cemented pan Frost action Dusty Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty
16C	Almond channery silt loam, 8 to 15 percent slopes	Very limited	Almond 80% Depth to saturated zone Frost action Slope Low strength Dusty Salamanca 5% Slope Depth to saturated zone Low strength Frost action Dusty Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Ontusia 5% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty Gretor 5% Slope Frost action Depth to saturated zone Depth to hard bedrock Low strength

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18A	Homer fine sandy loam, 0 to 3 percent slopes	Very limited	Homer 90% Frost action Depth to saturated zone Dusty Phelps 5% Frost action Depth to saturated zone Dusty Low strength Fine-loamy, mixed, active, mesic Typic Argiaquolls 5% Depth to saturated zone Frost action Dusty Low strength
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 Frost action Dusty Low strength Homer 8% Frost action Depth to saturated zone Dusty Atherton 7% Depth to saturated zone Frost action Dusty Palms, undrained 5% Ponding Depth to saturated zone Frost action Low strength Subsidence
20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Atherton 41% Depth to saturated zone Frost action Dusty Fine-loamy, mixed, active, mesic Typic Argiaquolls 39% Ponding Depth to saturated zone Frost action Low strength Dusty Homer 8% Frost action Depth to saturated zone Dusty Canandaigua 7% Depth to saturated zone Frost action Low strength Dusty

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24A	Howard gravelly loam, 0 to 3 percent slopes	Somewhat limited	Howard 80% Frost action Dusty Palmyra 10% Frost action Dusty Arkport 5% Frost action
24B	Howard gravelly loam, 3 to 8 percent slopes	Somewhat limited	Howard 80% Frost action Dusty Palmyra 10% Frost action Dusty Arkport 5% Frost action
24C	Howard gravelly loam, 8 to 15 percent slopes	Somewhat limited	Howard 80% Frost action Slope Dusty Palmyra 10% Frost action Slope Dusty Arkport 5% Frost action Slope
24D	Howard soils, 15 to 25 percent slopes	Very limited	Howard 65% Slope Frost action Dusty Palmyra 20% Slope Frost action Dusty Arkport 13% Slope Frost action Phelps 2% Frost action Depth to saturated zone Dusty Low strength
25A	Chenango gravelly loam, 0 to 3 percent slopes	Somewhat limited	Chenango 90% Frost action Dusty Castile 8% Frost action Depth to saturated zone Dusty Valois 2% Frost action Dusty

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25B	Chenango gravelly loam, 3 to 8 percent slopes	Somewhat limited	Chenango 90% Frost action Dusty Castile 5% Frost action Depth to saturated zone Dusty Valois 5% Frost action Dusty
25C	Chenango gravelly loam, 8 to 15 percent slopes	Somewhat limited	Chenango 90% Frost action Slope Dusty Castile 5% Frost action Depth to saturated zone Slope Dusty Valois 5% Frost action Slope Dusty
25D	Chenango gravelly loam, 15 to 25 percent slopes	Very limited	Chenango 90% Slope Frost action Dusty Valois 2% Slope Frost action Dusty
25E	Chenango gravelly loam, 25 to 35 percent slopes	Very limited	Chenango 90% Slope Frost action Dusty Valois 10% Slope Frost action Dusty
26B	Chenango channery loam, fan, 3 to 8 percent slopes	Somewhat limited	Chenango, fan 85% Frost action Flooding Dusty Guyanoga, fan 5% Frost action Flooding Large stones Dusty Castile 5% Frost action Depth to saturated zone Dusty
27B	Castile gravelly silt loam, 3 to 8 percent slopes	Somewhat limited	Castile 85% Frost action Depth to saturated zone Dusty Chenango 5% Frost action Dusty

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31A	Collamer silt loam, 0 to 3 percent slopes	Very limited	Collamer 85% Frost action Depth to saturated zone Dusty Low strength Niagara 10% Frost action Low strength Depth to saturated zone Dusty Schoharie 5% Low strength Frost action Shrink-swell Depth to saturated zone Dusty
31B	Collamer silt loam, 3 to 8 percent slopes	Very limited	Collamer 85% Frost action Depth to saturated zone Low strength Dusty Niagara 10% Frost action Low strength Depth to saturated zone Dusty Schoharie 5% Low strength Frost action Shrink-swell Depth to saturated zone Dusty
31C	Collamer silt loam, 8 to 15 percent slopes	Very limited	Collamer 85% Frost action Slope Depth to saturated zone Low strength Dusty Niagara 10% Frost action Low strength Depth to saturated zone Dusty Schoharie 5% Low strength Frost action Shrink-swell Depth to saturated zone Slope



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31D	Collamer silt loam, 15 to 25 percent slopes	Very limited	Collamer 90% Slope Frost action Depth to saturated zone Low strength Dusty Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone Niagara 5% Frost action Low strength Depth to saturated zone Slope Dusty
32A	Dunkirk fine sandy loam, 0 to 3 percent slopes	Very limited	Dunkirk 90% Frost action Low strength Dusty Schoharie 3% Low strength Frost action Shrink-swell Depth to saturated zone Dusty Niagara 3% Frost action Low strength Depth to saturated zone Dusty
32B	Dunkirk fine sandy loam, 3 to 8 percent slopes	Very limited	Dunkirk 90% Frost action Low strength Dusty Schoharie 3% Low strength Frost action Shrink-swell Depth to saturated zone Dusty Niagara 3% Frost action Low strength Depth to saturated zone Dusty

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33A	Dunkirk silt loam, 0 to 3 percent slopes	Very limited	Dunkirk 90% Frost action Low strength Dusty Niagara 3% Frost action Low strength Depth to saturated zone Dusty Schoharie 3% Low strength Frost action Shrink-swell Depth to saturated zone Dusty
33B	Dunkirk silt loam, 3 to 8 percent slopes	Very limited	Dunkirk 90% Frost action Low strength Dusty Schoharie 3% Low strength Frost action Shrink-swell Depth to saturated zone Dusty Niagara 3% Frost action Low strength Depth to saturated zone Dusty
33C	Dunkirk silt loam, 8 to 15 percent slopes	Very limited	Dunkirk 90% Frost action Low strength Slope Dusty Schoharie 3% Low strength Slope Frost action Shrink-swell Depth to saturated zone Niagara 3% Frost action Low strength Depth to saturated zone Dusty
33D	Dunkirk silt loam, 15 to 25 percent slopes	Very limited	Dunkirk 90% Slope Frost action Low strength Dusty Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone Arkport 5% Slope Frost action

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33E	Dunkirk silt loam, 25 to 35 percent slopes	Very limited	Dunkirk 90% Slope Frost action Low strength Dusty Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone Arkport 5% Slope Frost action
34A	Lakemont silty clay loam, 0 to 3 percent slopes	Very limited	Lakemont 85% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Odessa 5% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Fonda 4% Ponding Depth to saturated zone Frost action Low strength Shrink-swell Canandaigua 4% Depth to saturated zone Frost action Low strength Dusty Barre 2% Depth to saturated zone Frost action Low strength Dusty Shrink-swell

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35A	Odessa silt loam, 0 to 3 percent slopes	Very limited	Odessa 85% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Lakemont 5% Depth to saturated zone Frost action Low strength Shrink-swell Dusty Schoharie 5% Low strength Shrink-swell Frost action Dusty Churchville 3% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Rhinebeck 2% Frost action Low strength Depth to saturated zone Shrink-swell Dusty
35B	Odessa silty clay loam, 3 to 8 percent slopes	Very limited	Odessa 85% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Schoharie 6% Low strength Shrink-swell Frost action Dusty Lakemont 4% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Churchville 3% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Rhinebeck 2% Frost action Low strength Depth to saturated zone Shrink-swell Dusty

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36A	Schoharie silty clay loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Low strength Shrink-swell Frost action Dusty Odessa 5% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Collamer 2% Frost action Depth to saturated zone Dusty
36B	Schoharie silty clay loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Low strength Shrink-swell Frost action Dusty Odessa 5% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Collamer 2% Frost action Depth to saturated zone Dusty
36C	Schoharie silty clay loam, 8 to 15 percent slopes	Very limited	Schoharie 85% Low strength Shrink-swell Frost action Slope Dusty Odessa 5% Depth to saturated zone Shrink-swell Frost action Low strength Slope Collamer 2% Frost action Depth to saturated zone Slope Dusty

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36D	Schoharie silty clay loam, 15 to 25 percent slopes	Very limited	Schoharie 85% Slope Low strength Shrink-swell Frost action Dusty Cazenovia 5% Slope Frost action Depth to saturated zone Shrink-swell Dusty Odessa 5% Slope Depth to saturated zone Shrink-swell Frost action Low strength Cayuga 3% Slope Frost action Depth to saturated zone Dusty Collamer 2% Slope Frost action Depth to saturated zone Dusty
36E	Schoharie silty clay loam, 25 to 45 percent slopes	Very limited	Schoharie 85% Slope Low strength Shrink-swell Frost action Dusty Odessa 5% Slope Depth to saturated zone Shrink-swell Frost action Low strength Cazenovia 5% Slope Frost action Depth to saturated zone Shrink-swell Dusty Cayuga 3% Slope Frost action Depth to saturated zone Dusty Collamer 2% Slope Frost action Depth to saturated zone Dusty

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37A	Schoharie silt loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Low strength Shrink-swell Frost action Dusty Odessa 5% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Collamer 2% Frost action Depth to saturated zone Dusty
37B	Schoharie silt loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Low strength Shrink-swell Frost action Dusty Odessa 5% Depth to saturated zone Shrink-swell Frost action Low strength Dusty Collamer 2% Frost action Depth to saturated zone Dusty
38A	Niagara silt loam, 0 to 3 percent slopes	Very limited	Niagara 85% Frost action Low strength Depth to saturated zone Dusty Canandaigua 5% Depth to saturated zone Frost action Low strength Dusty Rhinebeck 5% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Collamer 5% Frost action Depth to saturated zone Dusty Low strength

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38B	Niagara silt loam, 3 to 8 percent slopes	Very limited	Niagara 85% Frost action Low strength Depth to saturated zone Dusty Canandaigua 5% Depth to saturated zone Frost action Low strength Dusty Rhinebeck 5% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Collamer 5% Frost action Depth to saturated zone Low strength Dusty
39A	Rhinebeck silty clay loam, 0 to 3 percent slopes	Very limited	Rhinebeck 90% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Lakemont 5% Depth to saturated zone Low strength Frost action Shrink-swell Dusty Niagara 5% Frost action Low strength Depth to saturated zone Dusty
41A	Aeric Epiaquepts, 0 to 3 percent slopes	Very limited	Aeric Epiaquepts 50% Depth to saturated zone Frost action Shrink-swell Low strength Dusty Aeric Epiaquepts 45% Depth to saturated zone Frost action Shrink-swell Low strength Dusty



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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
43A	Canandaigua silt loam, 0 to 3 percent slopes	Very limited	<p>Canandaigua 90%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Low strength</li> <li>Dusty</li> </ul> <p>Canandaigua 4%</p> <ul style="list-style-type: none"> <li>Ponding</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Low strength</li> <li>Dusty</li> </ul> <p>Lakemont 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Low strength</li> <li>Frost action</li> <li>Shrink-swell</li> <li>Dusty</li> </ul> <p>Niagara 3%</p> <ul style="list-style-type: none"> <li>Frost action</li> <li>Low strength</li> <li>Depth to saturated zone</li> <li>Dusty</li> </ul>
44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Very limited	<p>Canandaigua 90%</p> <ul style="list-style-type: none"> <li>Ponding</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Low strength</li> <li>Dusty</li> </ul> <p>Canandaigua 5%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Low strength</li> <li>Dusty</li> </ul> <p>Lakemont 3%</p> <ul style="list-style-type: none"> <li>Depth to saturated zone</li> <li>Low strength</li> <li>Frost action</li> <li>Shrink-swell</li> <li>Dusty</li> </ul> <p>Palms, undrained 2%</p> <ul style="list-style-type: none"> <li>Ponding</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Low strength</li> <li>Subsidence</li> </ul>

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45A	Fonda mucky silt loam, 0 to 3 percent slopes	Very limited	Fonda 95% Ponding Depth to saturated zone Frost action Low strength Shrink-swell Canandaigua 3% Ponding Depth to saturated zone Frost action Low strength Dusty Palms, undrained 2% Ponding Depth to saturated zone Frost action Low strength Subsidence
46A	Galen fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Galen 90% Depth to saturated zone Frost action Dusty
46B	Galen fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Galen 90% Depth to saturated zone Frost action Dusty
48A	Arkport fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Arkport 95% Frost action Galen 2% Depth to saturated zone Frost action Dusty
48B	Arkport fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Arkport 95% Frost action Galen 2% Depth to saturated zone Frost action Dusty
48C	Arkport fine sandy loam, 8 to 15 percent slopes	Somewhat limited	Arkport 95% Slope Frost action Galen 2% Depth to saturated zone Frost action Dusty
48D	Arkport fine sandy loam, 15 to 25 percent slopes	Very limited	Arkport 90% Slope Frost action Dunkirk 8% Slope Frost action Low strength Dusty Palmyra 2% Slope Frost action Dusty

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49B	Arkport loamy fine sand, 3 to 8 percent slopes	Somewhat limited	Arkport 95% Frost action Galen 2% Depth to saturated zone Frost action Dusty
49D	Arkport loamy fine sand, 15 to 25 percent slopes	Very limited	Arkport 95% Slope Frost action Dunkirk 3% Slope Frost action Low strength Dusty Palmyra 2% Slope Frost action Dusty
49E	Arkport loamy fine sand, 25 to 35 percent slopes	Very limited	Arkport 90% Slope Frost action Dunkirk 8% Slope Frost action Low strength Dusty Palmyra 2% Slope Frost action Dusty
49F	Arkport loamy fine sand, 35 to 55 percent slopes	Very limited	Arkport 90% Slope Frost action Dunkirk 8% Slope Frost action Low strength Dusty Palmyra 2% Slope Frost action Dusty
50B	Dunkirk-Arkport complex, 3 to 8 percent slopes	Very limited	Dunkirk 50% Frost action Low strength Dusty Collamer 5% Frost action Depth to saturated zone Low strength Dusty

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50C	Dunkirk-Arkport complex, 8 to 15 percent slopes	Very limited	Dunkirk 60% Frost action Low strength Slope Dusty Collamer 5% Frost action Slope Depth to saturated zone Low strength Dusty
50D	Dunkirk-Arkport complex, 15 to 25 percent slopes	Very limited	Dunkirk 60% Slope Frost action Low strength Dusty Arkport 35% Slope Frost action Collamer 5% Slope Frost action Depth to saturated zone Low strength Dusty
53A	Lamson fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Depth to saturated zone Frost action Lamson 5% Ponding Depth to saturated zone Frost action Canandaigua 3% Depth to saturated zone Frost action Low strength Dusty
54A	Lamson mucky fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Ponding Depth to saturated zone Frost action Canandaigua 5% Depth to saturated zone Frost action Low strength Dusty Lamson 5% Depth to saturated zone Frost action
56A	Elnora loamy fine sand, 0 to 3 percent slopes	Somewhat limited	Elnora 90% Frost action Depth to saturated zone
58B	Colonie loamy fine sand, 3 to 8 percent slopes	Not limited	Colonie 95%
58C	Colonie loamy fine sand, 8 to 15 percent slopes	Somewhat limited	Colonie 95% Slope Elnora 5% Frost action Depth to saturated zone

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62B	Mardin channery silt loam, 3 to 8 percent slopes	Somewhat limited	Mardin 85% Depth to thin cemented pan Depth to saturated zone Frost action Dusty Depth to thick cemented pan Lordstown 5% Frost action Depth to hard bedrock Dusty Bath 5% Depth to thin cemented pan Slope Frost action Depth to thick cemented pan Depth to saturated zone
62C	Mardin channery silt loam, 8 to 15 percent slopes	Somewhat limited	Mardin 88% Depth to thin cemented pan Depth to saturated zone Slope Frost action Dusty
62D	Mardin channery silt loam, 15 to 25 percent slopes	Very limited	Mardin 85% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Lordstown 5% Slope Depth to hard bedrock Frost action Dusty Volusia 5% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty Bath 5% Slope Depth to thin cemented pan Frost action Depth to thick cemented pan Depth to saturated zone

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62E	Mardin channery silt loam, 25 to 35 percent slopes	Very limited	Mardin 80% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Bath 8% Slope Depth to thin cemented pan Frost action Depth to thick cemented pan Depth to saturated zone Lordstown, very stony 7% Slope Depth to hard bedrock Frost action Large stones Dusty Volusia 5% Slope Depth to saturated zone Depth to thin cemented pan Frost action Dusty
63B	Langford channery silt loam, 3 to 8 percent slopes	Somewhat limited	Langford 85% Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Dusty Schuyler 5% Depth to saturated zone Frost action Low strength Dusty
63C	Langford channery silt loam, 8 to 15 percent slopes	Somewhat limited	Langford 85% Depth to thin cemented pan Slope Depth to saturated zone Frost action Depth to thick cemented pan Chadakoin 5% Slope Frost action Dusty Schuyler 5% Depth to saturated zone Slope Frost action Low strength Dusty

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63D	Langford channery silt loam, 15 to 25 percent slopes	Very limited	Langford 80% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Erie 5% Depth to saturated zone Depth to thin cemented pan Frost action Slope Low strength Schuyler 5% Slope Depth to saturated zone Frost action Low strength Dusty Towerville 5% Slope Frost action Depth to saturated zone Low strength Depth to hard bedrock Chadakoin 5% Slope Frost action Dusty
64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Very limited	Erie 40% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Chippewa 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Fremont 5% Depth to saturated zone Frost action Low strength Dusty

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66A	Lyons soils, 0 to 3 percent slopes	Very limited	Lyons 75% Depth to saturated zone Frost action Dusty Lyons, frequently ponded 15% Ponding Depth to saturated zone Frost action Dusty Appleton 3% Depth to saturated zone Frost action Dusty Canandaigua 3% Depth to saturated zone Frost action Low strength Dusty Kendaia 2% Depth to saturated zone Frost action Dusty Palms, undrained 1% Ponding Depth to saturated zone Frost action Low strength Subsidence Ilion 1% Depth to saturated zone Frost action Shrink-swell Dusty
68A	Volusia channery silt loam, 0 to 3 percent slopes	Very limited	Volusia 90% Depth to saturated zone Depth to thin cemented pan Frost action Dusty Chippewa 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty
68B	Volusia channery silt loam, 3 to 8 percent slopes	Very limited	Volusia 90% Depth to saturated zone Depth to thin cemented pan Frost action Dusty Chippewa 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty



# Unpaved Local Roads and Streets

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% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty Mardin 6% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Chippewa 4% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty
68D	Volusia channery silt loam, 15 to 25 percent slopes	Very limited	Volusia 90% Slope Depth to saturated zone Depth to thin cemented pan Frost action Dusty Mardin 7% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Chippewa 3% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty
69A	Erie channery silt loam, 0 to 3 percent slopes	Very limited	Erie 80% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Chippewa 10% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Fremont 5% Depth to saturated zone Frost action Low strength Dusty

# Unpaved Local Roads and Streets

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% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Chippewa 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Fremont 5% Depth to saturated zone Frost action Low strength Dusty
69C	Erie channery silt loam, 8 to 15 percent slopes	Very limited	Erie 80% Depth to saturated zone Depth to thin cemented pan Frost action Slope Low strength Langford 10% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Fremont 5% Depth to saturated zone Frost action Slope Low strength Dusty Chippewa 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty
71A	Darien silt loam, 0 to 3 percent slopes	Very limited	Darien 95% Frost action Depth to saturated zone Low strength Dusty Illion 4% Depth to saturated zone Frost action Low strength Shrink-swell Dusty Angola 1% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty

# Unpaved Local Roads and Streets

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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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% Frost action Depth to saturated zone Low strength Dusty Ilion 4% Depth to saturated zone Frost action Low strength Shrink-swell Dusty Angola 1% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty
71C	Darien silt loam, 8 to 15 percent slopes	Very limited	Darien 95% Frost action Depth to saturated zone Slope Low strength Dusty Ilion 4% Depth to saturated zone Frost action Low strength Shrink-swell Dusty Angola 1% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope
72A	Darien-Ilion silt loams, 0 to 3 percent slopes	Very limited	Darien 68% Frost action Depth to saturated zone Low strength Dusty Ilion 27% Depth to saturated zone Frost action Low strength Shrink-swell Dusty Angola 5% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty

# Unpaved Local Roads and Streets

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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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% Frost action Depth to saturated zone Low strength Dusty Ilion 27% Depth to saturated zone Frost action Low strength Shrink-swell Dusty Angola 5% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty
73B	Greter silt loam, 3 to 8 percent slopes	Very limited	Greter 95% Frost action Depth to saturated zone Depth to hard bedrock Low strength Dusty Greter, poorly drained 5% Depth to saturated zone Frost action Depth to hard bedrock Low strength Dusty
73C	Greter silt loam, 8 to 15 percent slopes	Very limited	Greter 95% Frost action Depth to saturated zone Depth to hard bedrock Slope Low strength Greter, poorly drained 5% Depth to saturated zone Frost action Depth to hard bedrock Low strength Dusty
73D	Greter channery silt loam, 15 to 25 percent slopes	Very limited	Greter 90% Slope Frost action Depth to saturated zone Depth to hard bedrock Low strength Mongaup, very stony 8% Slope Depth to hard bedrock Frost action Dusty Greter, poorly drained 2% Depth to saturated zone Frost action Depth to hard bedrock Low strength Dusty

# Unpaved Local Roads and Streets

Aggregation Method: Dominant Condition  
Tie-break Rule: Higher

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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% Frost action Depth to saturated zone Depth to hard bedrock Low strength Dusty Orpark, poorly drained 5% Depth to saturated zone Frost action Depth to hard bedrock Low strength Dusty
76C	Orpark silt loam, 8 to 15 percent slopes	Very limited	Orpark 95% Frost action Depth to saturated zone Depth to hard bedrock Slope Low strength Orpark, poorly drained 5% Depth to saturated zone Frost action Depth to hard bedrock Low strength Dusty
76D	Orpark channery silt loam, 15 to 25 percent slopes	Very limited	Orpark 90% Slope Frost action Depth to saturated zone Depth to hard bedrock Low strength Orpark, poorly drained 5% Depth to saturated zone Frost action Depth to hard bedrock Low strength Dusty Lordstown, very stony 5% Slope Depth to hard bedrock Frost action Dusty
77A	Chippewa silt loam, 0 to 3 percent slopes	Very limited	Chippewa 85% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Chippewa, very poorly drained 10% Ponding Depth to saturated zone Depth to thin cemented pan Frost action Low strength Volusia 5% Depth to saturated zone Depth to thin cemented pan Frost action Dusty

# Unpaved Local Roads and Streets

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Tie-break Rule: Higher

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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% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Volusia 10% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty Chippewa, very poorly drained 5% Ponding Depth to saturated zone Depth to thin cemented pan Frost action Low strength
82B	Manlius channery silt loam, 3 to 8 percent slopes	Somewhat limited	Manlius 95% Frost action Large stones Dusty
82C	Manlius channery silt loam, 8 to 15 percent slopes	Somewhat limited	Manlius 95% Slope Frost action Large stones Dusty
82D	Manlius channery silt loam, 15 to 25 percent slopes	Very limited	Manlius 95% Slope Frost action Large stones Dusty Arnot, very stony 4% Depth to hard bedrock Slope Frost action Large stones Dusty Gretor 1% Slope Frost action Depth to saturated zone Depth to hard bedrock Low strength

# Unpaved Local Roads and Streets

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 Frost action Low strength Subsidence Palms, drained 40% Depth to saturated zone Frost action Low strength Subsidence Dusty Canandaigua 5% Ponding Depth to saturated zone Frost action Low strength Dusty
92A	Carlisle muck, 0 to 3 percent slopes	Very limited	Carlisle, undrained 45% Ponding Depth to saturated zone Frost action Low strength Subsidence Carlisle, drained 40% Depth to saturated zone Frost action Low strength Subsidence Dusty Palms, undrained 10% Ponding Depth to saturated zone Frost action Low strength Subsidence Canandaigua 5% Ponding Depth to saturated zone Frost action Low strength Dusty

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
93A	Edwards muck, 0 to 3 percent slopes	Very limited	Edwards, undrained 50% Ponding Depth to saturated zone Subsidence Frost action Low strength Edwards, drained 35% Depth to saturated zone Subsidence Frost action Low strength Dusty Martisco, undrained 10% Ponding Depth to saturated zone Frost action Dusty Canandaigua 5% Ponding Depth to saturated zone Frost action Low strength Dusty
94A	Martisco muck, 0 to 3 percent slopes	Very limited	Martisco, undrained 55% Ponding Depth to saturated zone Frost action Dusty Martisco, drained 35% Depth to saturated zone Frost action Dusty Canandaigua 5% Ponding Depth to saturated zone Frost action Low strength Dusty Palms, drained 5% Depth to saturated zone Frost action Low strength Subsidence Dusty



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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 Subsidence Frost action Low strength Palms, undrained 5% Ponding Depth to saturated zone Frost action Low strength Subsidence Fluvaquents, frequently flooded 5% Depth to saturated zone Frost action Flooding Carlisle, undrained 5% Ponding Depth to saturated zone Frost action Low strength Subsidence
101A	Honeoye loam, 0 to 3 percent slopes	Somewhat limited	Honeoye 85% Frost action Dusty Lima 5% Frost action Depth to saturated zone Dusty Lansing 4% Frost action Dusty Wassaic 2% Frost action Depth to hard bedrock Dusty
101B	Honeoye loam, 3 to 8 percent slopes	Somewhat limited	Honeoye 85% Frost action Dusty Lima 5% Frost action Depth to saturated zone Dusty Lansing 4% Frost action Dusty Wassaic 2% Frost action Depth to hard bedrock Dusty

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
101C	Honeoye loam, 8 to 15 percent slopes	Somewhat limited	Honeoye 85% Slope Frost action Dusty Lima 5% Slope Frost action Depth to saturated zone Dusty Lansing 4% Slope Frost action Dusty Wassaic 2% Slope Frost action Depth to hard bedrock Dusty
101D	Honeoye loam, 15 to 25 percent slopes	Very limited	Honeoye 85% Slope Frost action Dusty Lima 5% Slope Frost action Depth to saturated zone Dusty Lansing 4% Slope Frost action Dusty Kendaia 4% Depth to saturated zone Frost action Slope Dusty Wassaic 2% Slope Frost action Depth to hard bedrock Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
101E	Honeoye loam, 25 to 35 percent slopes	Very limited	Honeoye 85% Slope Frost action Dusty Lima 5% Slope Frost action Depth to saturated zone Dusty Kendaia 4% Depth to saturated zone Frost action Slope Dusty Lansing 4% Slope Frost action Dusty Wassaic 2% Slope Frost action Depth to hard bedrock Dusty
104A	Honeoye loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Frost action Dusty Lima 5% Frost action Depth to saturated zone Dusty Lansing 4% Frost action Dusty Wassaic 2% Frost action Depth to hard bedrock Dusty
104B	Honeoye loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Frost action Dusty Lima 5% Frost action Depth to saturated zone Dusty Lansing 4% Frost action Dusty Wassaic 2% Frost action Depth to hard bedrock Dusty

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
104C	Honeoye loam, 8 to 15 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Slope Frost action Dusty Lima 5% Slope Frost action Depth to saturated zone Dusty Lansing 4% Slope Frost action Dusty Wassaic 2% Slope Frost action Depth to hard bedrock Dusty
106B	Danley-Lansing complex, 3 to 8 percent slopes	Somewhat limited	Danley 50% Depth to saturated zone Low strength Frost action Dusty Lansing 45% Frost action Dusty Conesus 2% Frost action Depth to saturated zone Dusty Palatine 1% Frost action Dusty Depth to hard bedrock
107B	Conesus-Lansing complex, 3 to 8 percent slopes	Somewhat limited	Conesus 50% Frost action Depth to saturated zone Dusty Lansing 45% Frost action Dusty Danley 1% Depth to saturated zone Low strength Frost action Dusty Palatine 1% Frost action Dusty Depth to hard bedrock

# Unpaved Local Roads and Streets

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
108C	Lansing loam, 8 to 15 percent slopes	Somewhat limited	Lansing 85% Frost action Slope Dusty Conesus 8% Frost action Depth to saturated zone Slope Dusty Danley 1% Depth to saturated zone Low strength Frost action Slope Dusty Wassaic 1% Frost action Depth to hard bedrock Slope Dusty
108D	Lansing loam, 15 to 25 percent slopes	Very limited	Lansing 85% Slope Frost action Dusty Conesus 9% Slope Frost action Depth to saturated zone Dusty Wassaic 3% Slope Frost action Depth to hard bedrock Dusty Kendaia 2% Depth to saturated zone Frost action Slope Dusty Appleton 1% Depth to saturated zone Frost action Slope Dusty
108E	Lansing loam, 25 to 35 percent slopes	Very limited	Lansing 85% Slope Frost action Dusty Cazenovia 10% Slope Depth to saturated zone Frost action Low strength Dusty Aurora 5% Slope Frost action Depth to saturated zone Low strength Dusty

# Unpaved Local Roads and Streets

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Frost action Dusty Honeoye 5% Frost action Dusty Hilton 5% Frost action Depth to saturated zone Dusty Cazenovia 3% Frost action Depth to saturated zone Shrink-swell Dusty
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Somewhat limited	Ontario 85% Slope Frost action Dusty Honeoye 5% Slope Frost action Dusty Hilton 5% Slope Frost action Depth to saturated zone Dusty Cazenovia 3% Slope Frost action Depth to saturated zone Shrink-swell Dusty
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Very limited	Ontario 85% Slope Frost action Dusty Cazenovia 5% Slope Frost action Depth to saturated zone Shrink-swell Dusty Honeoye 5% Slope Frost action Dusty Appleton 2% Depth to saturated zone Frost action Slope Dusty

# Unpaved Local Roads and Streets

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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	Ontario 85% Slope Frost action Dusty Cazenovia 5% Slope Frost action Depth to saturated zone Shrink-swell Dusty Honeoye 5% Slope Frost action Dusty Appleton 2% Depth to saturated zone Frost action Slope Dusty
114B	Ontario gravelly loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Frost action Dusty Hilton 5% Frost action Depth to saturated zone Dusty Honeoye 5% Frost action Dusty Cazenovia 3% Frost action Depth to saturated zone Shrink-swell Dusty
114C	Ontario gravelly loam, 8 to 15 percent slopes	Somewhat limited	Ontario 85% Slope Frost action Dusty Hilton 5% Slope Frost action Depth to saturated zone Dusty Honeoye 5% Slope Frost action Dusty Cazenovia 3% Slope Frost action Depth to saturated zone Shrink-swell Dusty

# Unpaved Local Roads and Streets

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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% Slope Frost action Dusty Honeoye 5% Slope Frost action Dusty Appleton 2% Depth to saturated zone Frost action Slope Dusty
116B	Ontario loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Frost action Dusty Honeoye 5% Frost action Dusty Hilton 5% Frost action Depth to saturated zone Dusty Cazenovia 3% Frost action Depth to saturated zone Shrink-swell Dusty
116C	Ontario loam, 8 to 15 percent slopes	Somewhat limited	Ontario 85% Slope Frost action Dusty Honeoye 5% Slope Frost action Dusty Hilton 5% Slope Frost action Depth to saturated zone Dusty Cazenovia 3% Slope Frost action Depth to saturated zone Shrink-swell Dusty



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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% Slope Frost action Dusty Cazenovia 5% Slope Frost action Depth to saturated zone Shrink-swell Dusty Honeoye 5% Slope Frost action Dusty Appleton 2% Depth to saturated zone Frost action Slope Dusty
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Very limited	Ontario 40% Slope Frost action Dusty Honeoye 35% Slope Frost action Dusty Lansing 20% Slope Frost action Dusty Aurora 5% Slope Frost action Depth to saturated zone Low strength Dusty
120E	Palmyra and Howard soils, 25 to 45 percent slopes	Very limited	Palmyra 55% Slope Frost action Dusty Howard 40% Slope Frost action Dusty Colonie 5% Slope
122A	Palmyra cobbly loam, 0 to 3 percent slopes	Somewhat limited	Palmyra 95% Frost action Dusty Honeoye, lower clay surface 5% Frost action Dusty
122B	Palmyra cobbly loam, 3 to 8 percent slopes	Somewhat limited	Palmyra 95% Frost action Dusty Honeoye, lower clay surface 5% Frost action Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
124A	Palmyra fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Palmyra 90% Frost action Dusty Howard 10% Frost action Dusty
124B	Palmyra fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Palmyra 90% Frost action Dusty Howard 10% Frost action Dusty
126A	Palmyra gravelly loam, 0 to 3 percent slopes	Somewhat limited	Palmyra 95% Frost action Dusty Arkport 5% Frost action
126B	Palmyra gravelly loam, 3 to 8 percent slopes	Somewhat limited	Palmyra 95% Frost action Dusty Arkport 5% Frost action
126C	Palmyra gravelly loam, 8 to 15 percent slopes	Somewhat limited	Palmyra 90% Slope Frost action Dusty Arkport 10% Slope Frost action
126D	Palmyra gravelly loam, 15 to 25 percent slopes	Very limited	Palmyra 90% Slope Frost action Dusty Arkport 10% Slope Frost action
128A	Palmyra gravelly sandy loam, 0 to 3 percent slopes	Somewhat limited	Palmyra 90% Frost action Dusty Arkport 10% Frost action
128B	Palmyra gravelly sandy loam, 3 to 8 percent slopes	Somewhat limited	Palmyra 90% Frost action Dusty Arkport 10% Frost action
128C	Palmyra gravelly sandy loam, 8 to 15 percent slopes	Somewhat limited	Palmyra 90% Slope Frost action Dusty Arkport 10% Slope Frost action

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
130A	Farmington loam, 0 to 3 percent slopes	Very limited	Farmington 90% Depth to hard bedrock Frost action Dusty Galoo 5% Depth to hard bedrock Frost action Dusty
130B	Farmington loam, 3 to 8 percent slopes	Very limited	Farmington 90% Depth to hard bedrock Frost action Dusty Galoo 5% Depth to hard bedrock Frost action Dusty
132A	Galoo loam, 0 to 3 percent slopes, rocky	Very limited	Galoo 95% Depth to hard bedrock Frost action Dusty
132B	Galoo loam, 3 to 8 percent slopes, rocky	Very limited	Galoo 95% Depth to hard bedrock Frost action Dusty
134A	Camillus silt loam, 0 to 3 percent slopes	Somewhat limited	Camillus 95% Frost action Depth to hard bedrock Dusty Low strength
134B	Camillus silt loam, 3 to 8 percent slopes	Somewhat limited	Camillus 95% Frost action Depth to hard bedrock Dusty Low strength
151C	Willdin-Norchip complex, 3 to 15 percent slopes	Somewhat limited	Willdin 60% Depth to thin cemented pan Depth to saturated zone Frost action Dusty Depth to thick cemented pan
152B	Valois gravelly loam, 3 to 8 percent slopes	Somewhat limited	Valois 85% Frost action Dusty Cadosia 5% Frost action Dusty Large stones Mardin 5% Depth to thin cemented pan Depth to saturated zone Frost action Dusty Depth to thick cemented pan

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152C	Valois gravelly loam, 8 to 15 percent slopes	Somewhat limited	Valois 85% Slope Frost action Dusty Mardin 5% Depth to thin cemented pan Depth to saturated zone Slope Frost action Dusty Cadosia 5% Slope Frost action Dusty Large stones
152D	Valois gravelly loam, 15 to 25 percent slopes	Very limited	Valois 85% Slope Frost action Dusty Cadosia 6% Slope Frost action Dusty Large stones Mardin 6% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Volusia 3% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty
152E	Valois gravelly loam, 25 to 35 percent slopes	Very limited	Valois 85% Slope Frost action Dusty Cadosia 6% Slope Frost action Dusty Large stones Mardin 6% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Towerville, extremely stony 3% Slope Depth to hard bedrock Depth to saturated zone Frost action Large stones

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
153B	Valois gravelly loam, cool, 3 to 8 percent slopes	Somewhat limited	Valois, cool 85% Frost action Dusty Rockrift 5% Frost action Large stones Dusty Willdin 5% Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Dusty
153C	Valois gravelly loam, cool, 8 to 15 percent slopes	Somewhat limited	Valois, cool 85% Slope Frost action Dusty Rockrift 5% Slope Frost action Large stones Dusty Willdin 5% Depth to thin cemented pan Depth to saturated zone Slope Frost action Depth to thick cemented pan
153D	Valois gravelly loam, cool, 15 to 25 percent slopes	Very limited	Valois, cool 85% Slope Frost action Dusty Rockrift 6% Slope Frost action Large stones Dusty Willdin 6% Slope Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Ontusia 3% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
153E	Valois gravelly loam, cool, 25 to 35 percent slopes	Very limited	Valois, cool 85% Slope Frost action Dusty Rockrift 6% Slope Frost action Large stones Dusty Willdin 6% Slope Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Ischua 3% Slope Depth to hard bedrock Depth to saturated zone Frost action Dusty
162B	Willdin channery silt loam, 3 to 8 percent slopes	Somewhat limited	Willdin 85% Depth to thin cemented pan Depth to saturated zone Frost action Dusty Depth to thick cemented pan Lewbath 5% Depth to thin cemented pan Slope Frost action Depth to thick cemented pan Depth to saturated zone Middlebrook 5% Depth to saturated zone Frost action Depth to hard bedrock Dusty
162C	Willdin channery silt loam, 8 to 15 percent slopes	Somewhat limited	Willdin 85% Depth to thin cemented pan Depth to saturated zone Slope Frost action Dusty Middlebrook 3% Depth to saturated zone Slope Frost action Depth to hard bedrock Dusty

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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% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Lewbath 10% Slope Depth to thin cemented pan Frost action Depth to thick cemented pan Depth to saturated zone Mongaup 5% Slope Frost action Large stones Depth to hard bedrock Dusty Ontusia 5% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty
168A	Ontusia channery silt loam, 0 to 3 percent slopes	Very limited	Ontusia 88% Depth to saturated zone Depth to thin cemented pan Frost action Dusty Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Gretor 2% Frost action Depth to saturated zone Depth to hard bedrock Low strength Dusty
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Very limited	Ontusia 90% Depth to saturated zone Depth to thin cemented pan Frost action Dusty Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
168C	Ontusia channery silt loam, 8 to 15 percent slopes	Very limited	Ontusia 90% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Willdin 5% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty
168D	Ontusia channery silt loam, 15 to 25 percent slopes	Very limited	Ontusia 90% Slope Depth to saturated zone Depth to thin cemented pan Frost action Dusty Willdin 7% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty Norchip 3% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty



# Unpaved Local Roads and Streets

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	Somewhat limited	<p>Lordstown, very stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to hard bedrock</li> <li>Frost action</li> <li>Dusty</li> </ul> <p>Towerville, very stony 20%</p> <ul style="list-style-type: none"> <li>Depth to hard bedrock</li> <li>Depth to saturated zone</li> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> </ul> <p>Manlius, very stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Cadosia, very stony 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Mardin, very stony 5%</p> <ul style="list-style-type: none"> <li>Depth to thin cemented pan</li> <li>Depth to saturated zone</li> <li>Slope</li> <li>Frost action</li> <li>Dusty</li> </ul>
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>Slope</li> <li>Depth to hard bedrock</li> <li>Frost action</li> <li>Dusty</li> </ul> <p>Manlius, very stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Towerville, very stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to hard bedrock</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Large stones</li> </ul> <p>Cadosia, very stony 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Arnot, very stony 5%</p> <ul style="list-style-type: none"> <li>Depth to hard bedrock</li> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul>

# Unpaved Local Roads and Streets

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>Slope</li> <li>Depth to hard bedrock</li> <li>Frost action</li> <li>Dusty</li> </ul> <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to hard bedrock</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Large stones</li> </ul> <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Cadosia, extremely stony 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Annot, very stony 5%</p> <ul style="list-style-type: none"> <li>Depth to hard bedrock</li> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Mardin, extremely stony 5%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to thin cemented pan</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Dusty</li> </ul>
171F	Lordstown-Manlius-Towerville complex, 35 to 80 percent slopes, extremely stony	Very limited	<p>Lordstown, extremely stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to hard bedrock</li> <li>Frost action</li> <li>Dusty</li> </ul> <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to hard bedrock</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Large stones</li> </ul> <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Annot, extremely stony 10%</p> <ul style="list-style-type: none"> <li>Depth to hard bedrock</li> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Cadosia, extremely stony 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul>

# Unpaved Local Roads and Streets

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
177A	Norchip silt loam, 0 to 3 percent slopes	Very limited	Norchip 85% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Norchip, very poorly drained 10% Ponding Depth to saturated zone Depth to thin cemented pan Frost action Low strength Ontusia 5% Depth to saturated zone Depth to thin cemented pan Frost action Dusty
177B	Norchip silt loam, 3 to 8 percent slopes	Very limited	Norchip 85% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Norchip, very poorly drained 10% Ponding Depth to saturated zone Depth to thin cemented pan Frost action Low strength Ontusia 5% Depth to saturated zone Depth to thin cemented pan Frost action Slope Dusty
181B	Mongaup-Ischua complex, 3 to 8 percent slopes	Somewhat limited	Mongaup 45% Depth to hard bedrock Frost action Dusty Ischua 40% Depth to hard bedrock Depth to saturated zone Frost action Dusty Rockrift 10% Frost action Large stones Dusty Willdin 3% Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Dusty

# Unpaved Local Roads and Streets

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	Somewhat limited	Mongaup 45% Depth to hard bedrock Slope Frost action Dusty Ischua 40% Depth to hard bedrock Depth to saturated zone Slope Frost action Dusty Rockrift 10% Slope Frost action Large stones Dusty Willdin 3% Depth to thin cemented pan Depth to saturated zone Slope Frost action Depth to thick cemented pan
181D	Mongaup-Ischua complex, 15 to 25 percent slopes, very stony	Very limited	Mongaup, very stony 45% Slope Depth to hard bedrock Frost action Dusty Ischua, very stony 40% Slope Depth to hard bedrock Depth to saturated zone Frost action Dusty Rockrift 10% Slope Frost action Large stones Dusty Willdin 3% Slope Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Greter 2% Slope Frost action Depth to saturated zone Depth to hard bedrock Low strength

# Unpaved Local Roads and Streets

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>Slope</li> <li>Depth to hard bedrock</li> <li>Frost action</li> <li>Dusty</li> </ul> <p>Ischua, extremely stony 40%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to hard bedrock</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Dusty</li> </ul> <p>Rockrift 10%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Willdin 3%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Depth to thin cemented pan</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Depth to thick cemented pan</li> </ul> <p>Greter 2%</p> <ul style="list-style-type: none"> <li>Slope</li> <li>Frost action</li> <li>Depth to saturated zone</li> <li>Depth to hard bedrock</li> <li>Low strength</li> </ul>
182B	Mongaup channery loam, 3 to 8 percent slopes	Somewhat limited	<p>Mongaup 75%</p> <ul style="list-style-type: none"> <li>Depth to hard bedrock</li> <li>Frost action</li> <li>Dusty</li> </ul> <p>Rockrift 10%</p> <ul style="list-style-type: none"> <li>Frost action</li> <li>Large stones</li> <li>Dusty</li> </ul> <p>Willdin 8%</p> <ul style="list-style-type: none"> <li>Depth to thin cemented pan</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Depth to thick cemented pan</li> <li>Dusty</li> </ul> <p>Ischua 5%</p> <ul style="list-style-type: none"> <li>Depth to hard bedrock</li> <li>Depth to saturated zone</li> <li>Frost action</li> <li>Dusty</li> </ul>

# Unpaved Local Roads and Streets

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	Somewhat limited	Mongaup 75% Depth to hard bedrock Slope Frost action Dusty Rockrift 10% Slope Frost action Large stones Dusty Willdin 8% Depth to thin cemented pan Depth to saturated zone Slope Frost action Depth to thick cemented pan Ischua 5% Depth to hard bedrock Depth to saturated zone Slope Frost action Dusty
201A	Lima loam, 0 to 3 percent slopes	Somewhat limited	Lima 85% Frost action Depth to saturated zone Dusty Honeoye 5% Frost action Dusty Cazenovia 2% Depth to saturated zone Frost action Low strength Dusty
201B	Lima loam, 3 to 8 percent slopes	Somewhat limited	Lima 85% Frost action Depth to saturated zone Dusty Honeoye 6% Frost action Dusty Cazenovia 2% Depth to saturated zone Frost action Low strength Dusty
201C	Lima loam, 8 to 15 percent slopes	Somewhat limited	Lima 85% Frost action Depth to saturated zone Slope Dusty Honeoye 7% Frost action Slope Dusty Cazenovia 2% Depth to saturated zone Frost action Slope Low strength Dusty

# Unpaved Local Roads and Streets

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	Somewhat limited	Lima 85% Frost action Depth to saturated zone Dusty Honeoye 5% Frost action Dusty Cazenovia 2% Depth to saturated zone Frost action Low strength Dusty
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Lima 85% Frost action Depth to saturated zone Dusty Honeoye 6% Frost action Dusty Cazenovia 2% Depth to saturated zone Frost action Low strength Dusty
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Very limited	Phelps 85% Frost action Depth to saturated zone Dusty Low strength Homer 5% Frost action Depth to saturated zone Dusty
210B	Phelps gravelly silt loam, 3 to 8 percent slopes	Very limited	Phelps 85% Frost action Depth to saturated zone Dusty Low strength Homer 5% Frost action Depth to saturated zone Dusty
212A	Nuhi silt loam, 0 to 3 percent slopes	Somewhat limited	Nuhi 85% Depth to saturated zone Frost action Low strength Depth to hard bedrock Dusty

# Unpaved Local Roads and Streets

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
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Very limited	Aurora 60% Frost action Depth to saturated zone Dusty Low strength Depth to hard bedrock Angola 30% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty Darien 5% Frost action Depth to saturated zone Low strength Dusty
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Very limited	Aurora 60% Frost action Slope Depth to saturated zone Dusty Low strength Angola 30% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope Darien 5% Frost action Depth to saturated zone Low strength Slope Dusty
240D	Aurora-Angola silt loams, 15 to 25 percent slopes	Very limited	Aurora 60% Slope Frost action Depth to saturated zone Dusty Low strength Angola 30% Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock Darien 5% Slope Frost action Depth to saturated zone Low strength Dusty Danley 5% Slope Depth to saturated zone Low strength Frost action Dusty



# Unpaved Local Roads and Streets

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
241B	Aurora silt loam, 3 to 8 percent slopes	Very limited	Aurora 85% Frost action Depth to saturated zone Dusty Low strength Depth to hard bedrock Angola 10% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty
241C	Aurora silt loam, 8 to 15 percent slopes	Very limited	Aurora 85% Frost action Slope Depth to saturated zone Dusty Low strength Angola 8% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope
241D	Aurora silt loam, 15 to 25 percent slopes	Very limited	Aurora 85% Slope Frost action Depth to saturated zone Dusty Low strength Danley 10% Slope Depth to saturated zone Low strength Frost action Dusty Angola 5% Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock
255B	Cazenovia silt loam, 3 to 8 percent slopes	Somewhat limited	Cazenovia 85% Low strength Frost action Depth to saturated zone Shrink-swell Dusty
255C	Cazenovia silt loam, 8 to 15 percent slopes	Somewhat limited	Cazenovia 85% Slope Low strength Frost action Depth to saturated zone Shrink-swell

# Unpaved Local Roads and Streets

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
255D	Cazenovia silt loam, 15 to 25 percent slopes	Very limited	Cazenovia 85% Slope Low strength Frost action Depth to saturated zone Shrink-swell Cayuga 10% Slope Low strength Frost action Depth to saturated zone Dusty Ovid 5% Frost action Depth to saturated zone Low strength Slope Shrink-swell
260B	Cayuga silt loam, 3 to 8 percent slopes	Very limited	Cayuga 85% Low strength Frost action Depth to saturated zone Dusty Schoharie 10% Low strength Frost action Shrink-swell Depth to saturated zone Dusty Odessa 5% Frost action Low strength Depth to saturated zone Shrink-swell Dusty
260C	Cayuga silt loam, 8 to 15 percent slopes	Very limited	Cayuga 85% Low strength Frost action Depth to saturated zone Slope Dusty Schoharie 10% Low strength Frost action Shrink-swell Depth to saturated zone Slope Odessa 5% Frost action Low strength Depth to saturated zone Shrink-swell Dusty

# Unpaved Local Roads and Streets

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
260D	Cayuga silt loam, 15 to 25 percent slopes	Very limited	Cayuga 85% Slope Low strength Frost action Depth to saturated zone Dusty Lansing 10% Slope Frost action Dusty Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone
304A	Kendaia loam, 0 to 3 percent slopes	Very limited	Kendaia 85% Depth to saturated zone Frost action Dusty Lyons 5% Depth to saturated zone Frost action Dusty Ovid 2% Frost action Depth to saturated zone Low strength Shrink-swell Dusty Churchville 2% Depth to saturated zone Frost action Dusty Shrink-swell
304B	Kendaia loam, 3 to 8 percent slopes	Very limited	Kendaia 85% Depth to saturated zone Frost action Dusty Lyons 4% Depth to saturated zone Frost action Dusty Churchville 2% Depth to saturated zone Frost action Dusty Shrink-swell Ovid 2% Frost action Depth to saturated zone Low strength Shrink-swell Dusty

# Unpaved Local Roads and Streets

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	Very limited	Angola 90% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty Darien 5% Frost action Depth to saturated zone Low strength Dusty Ilion 5% Depth to saturated zone Frost action Low strength Shrink-swell Dusty
356A	Ovid silt loam, 0 to 3 percent slopes	Very limited	Ovid 85% Frost action Depth to saturated zone Low strength Shrink-swell Dusty Odessa 10% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Lakemont 5% Depth to saturated zone Low strength Frost action Shrink-swell Dusty
356B	Ovid silt loam, 3 to 8 percent slopes	Very limited	Ovid 85% Frost action Depth to saturated zone Low strength Shrink-swell Dusty Odessa 10% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Lakemont 5% Depth to saturated zone Low strength Frost action Shrink-swell Dusty

# Unpaved Local Roads and Streets

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% Frost action Depth to saturated zone Low strength Shrink-swell Dusty Odessa 10% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Lakemont 5% Depth to saturated zone Low strength Frost action Shrink-swell Dusty
357C	Ovid silty clay loam, 8 to 15 percent slopes	Very limited	Ovid 85% Frost action Depth to saturated zone Low strength Shrink-swell Slope Odessa 10% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Lakemont 5% Depth to saturated zone Low strength Frost action Shrink-swell Dusty
400A	Udorthents, loamy, 0 to 3 percent slopes	Somewhat limited	Udorthents, loamy 80% Frost action Dusty Howard 5% Frost action Dusty Ontario 5% Frost action Dusty Palmyra 5% Frost action Dusty Lima 5% Frost action Depth to saturated zone Dusty
401D	Udorthents, refuse substratum. 0 to 25 percent slopes	Very limited	Udorthents, refuse substratum 90% Slope Frost action Dusty Udorthents, Loamy 10% Slope Frost action Dusty
PG	Pits, gravel and sand	Not rated	Pits, gravel and sand 75%

# Unpaved Local Roads and Streets

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
PQ	Pits, quarry	Not rated	Pits, quarry 80%
W	Water	Not rated	Water 100%

# Unpaved Local Roads and Streets

## Rating Options

Attribute Name: Unpaved Local Roads and Streets

ENG - Engineering

Unpaved local roads and streets are those roads and streets that carry traffic year round but have a graded surface of local soil material or aggregate.

Description:

Unpaved local roads and streets are those roads and streets that carry traffic year round but have a graded surface of local soil material or aggregate.

The roads and streets consist of

- (1) the underlying local soil material, either cut or fill, which is called "the sub-grade";
- (2) the surface, which may be the same as the subgrade or may have aggregate such as crushed limestone added.

They are graded to shed water, and conventional drainage measures are provided. These roads and streets are built mainly from the soil at the site. Soil interpretations for local roads and streets are used as a tool in evaluating soil suitability and identifying soil limitations for the practice. The rating is for soils in their present condition and does not consider present land use. Soil properties and qualities that affect local roads and streets are those that influence the ease of excavation and grading and the traffic-supporting capacity. The properties and qualities that affect the ease of excavation and grading are hardness of bedrock or a cemented pan, depth to bedrock or a cemented pan, depth to a water table, flooding, the amount of large stones, and slope. The properties that affect traffic-supporting capacity are soil strength as inferred from the AASHTO group index and the Unified classification, subsidence, shrink-swell behavior, potential frost action, and depth to the seasonal high water table. The dust generating tendency of the soil is also considered.

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.