

Unpaved Local Roads and Streets

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

Ontario County, New York
Survey Area Version and Date: 13 - 09/24/2016

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 Low strength Depth to saturated zone 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 Low strength Depth to saturated zone 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 Low strength Depth to saturated zone Dusty

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4A	Naples Creek silty clay loam, 0 to 3 percent slopes	Very limited	Naples Creek 90% Frost action Flooding Low strength Depth to saturated zone Dusty Hemlock 5% Frost action Flooding Low strength Depth to saturated zone Dusty Wayland 5% Depth to saturated zone Frost action Flooding Low strength 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% 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 Large stones 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 Ontusia 10% Depth to thin cemented pan Frost action Depth to saturated zone Low strength Depth to thick cemented pan Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Gretor 5% Frost action Low strength Depth to saturated zone Depth to hard bedrock 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 Ontusia 10% Depth to thin cemented pan Frost action Depth to saturated zone Low strength Depth to thick cemented pan Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty Greter 5% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty
16C	Almond channery silt loam, 8 to 15 percent slopes	Very limited	Almond 80% Depth to saturated zone Frost action Low strength Slope Dusty Ontusia 10% Depth to thin cemented pan Frost action Depth to saturated zone Low strength Slope Greter 5% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope Norchip 5% Depth to saturated zone Depth to thin cemented pan Frost action Low strength Dusty

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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 Fine-loamy, mixed, active, mesic Typic Argiaquolls 5% Depth to saturated zone Frost action Low strength Dusty Phelps 5% Frost action Depth to saturated zone Low strength Dusty
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 Low strength Dusty 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 Subsidence Frost action Low strength
20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Atherton 40% Depth to saturated zone Frost action Dusty Fine-loamy, mixed, active, mesic Typic Argiaquolls 40% 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 Low strength Dusty
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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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
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 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
31B	Collamer silt loam, 3 to 8 percent slopes	Very limited	Collamer 85% Frost action Low strength Depth to saturated zone 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 Low strength Slope Depth to saturated zone 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 Low strength Depth to saturated zone Dusty Niagara 5% Frost action Low strength Depth to saturated zone Slope Dusty Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone
32A	Dunkirk fine sandy 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
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 Arkport 5% Slope Frost action Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone

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33E	Dunkirk silt loam, 25 to 35 percent slopes	Very limited	Dunkirk 90% Slope Frost action Low strength Dusty Arkport 5% Slope Frost action Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone
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% Frost action Low strength Depth to saturated zone Shrink-swell 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 Frost action Shrink-swell Depth to saturated zone 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 Frost action Shrink-swell Depth to saturated zone 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 90% Low strength Frost action Shrink-swell Depth to saturated zone Dusty Dunkirk 5% Frost action Low strength Dusty
36B	Schoharie silty clay loam, 3 to 8 percent slopes	Very limited	Schoharie 90% Low strength Frost action Shrink-swell Depth to saturated zone Dusty Dunkirk 5% Frost action Low strength Dusty
36C	Schoharie silty clay loam, 8 to 15 percent slopes	Very limited	Schoharie 90% Low strength Frost action Shrink-swell Depth to saturated zone Slope Dunkirk 5% Frost action Low strength Slope Dusty
36D	Schoharie silty clay loam, 15 to 25 percent slopes	Very limited	Schoharie 90% Slope Low strength Frost action Shrink-swell Depth to saturated zone Arkport 5% Slope Frost action Dunkirk 5% Slope Frost action Low strength Dusty
36E	Schoharie silty clay loam, 25 to 45 percent slopes	Very limited	Schoharie 90% Slope Low strength Frost action Shrink-swell Depth to saturated zone Arkport 5% Slope Frost action Dunkirk 5% Slope Frost action Low strength Dusty

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37A	Schoharie silt loam, 0 to 3 percent slopes	Very limited	Schoharie 90% Low strength Depth to saturated zone Frost action Shrink-swell Dusty Dunkirk 5% Frost action Low strength Dusty Odessa 5% Frost action Low strength Depth to saturated zone Shrink-swell Dusty
37B	Schoharie silt loam, 3 to 8 percent slopes	Very limited	Schoharie 90% Low strength Depth to saturated zone Frost action Shrink-swell Dusty Odessa 5% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Dunkirk 5% Frost action Low strength 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 Collamer 5% Frost action Depth to saturated zone Low strength Dusty Rhinebeck 5% Frost action Low strength Depth to saturated zone Shrink-swell Dusty

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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 Low strength Depth to saturated zone 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 Niagara 5% Frost action Low strength Depth to saturated zone Dusty Lakemont 5% Depth to saturated zone Low strength Frost action Shrink-swell Dusty
41A	Aeric Epiaquepts, 0 to 3 percent slopes	Very limited	Aeric Epiaquepts 50% Depth to saturated zone Low strength Frost action Shrink-swell Dusty Aeric Epiaquepts 45% Depth to saturated zone Low strength Frost action Shrink-swell Dusty

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43A	Canandaigua silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Depth to saturated zone Frost action Low strength Dusty Canandaigua 4% Ponding Depth to saturated zone Frost action Low strength Dusty Niagara 3% Frost action Low strength Depth to saturated zone Dusty Lakemont 3% Depth to saturated zone Low strength Frost action Shrink-swell Dusty
44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Ponding Depth to saturated zone Frost action Low strength Dusty Canandaigua 5% Depth to saturated zone Frost action Low strength Dusty Lakemont 3% Depth to saturated zone Low strength Frost action Shrink-swell Dusty Palms, undrained 2% Ponding Depth to saturated zone Subsidence Frost action Low strength

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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 Subsidence Frost action Low strength
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 Low strength Depth to saturated zone 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 Low strength Slope Depth to saturated zone 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 Low strength Depth to saturated zone 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 Bath 5% Depth to thin cemented pan Slope Frost action Depth to thick cemented pan Depth to saturated zone Lordstown 5% Frost action Depth to hard bedrock Dusty
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 Bath 5% Slope Depth to thin cemented pan Frost action Depth to thick cemented pan Depth to saturated zone 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

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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 90% Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Dusty
63C	Langford channery silt loam, 8 to 15 percent slopes	Somewhat limited	Langford 90% Depth to thin cemented pan Depth to saturated zone Slope Frost action Depth to thick cemented pan
63D	Langford channery silt loam, 15 to 25 percent slopes	Very limited	Langford 90% Slope Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Erie 10% Slope Depth to thin cemented pan Frost action Depth to saturated zone Dusty
64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Somewhat limited	Langford 55% Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan 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% Frost action Depth to saturated zone Dusty Ilion 1% Depth to saturated zone Frost action Shrink-swell Dusty Palms 1% Ponding Depth to saturated zone Subsidence Frost action Low strength
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

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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 95% Depth to thin cemented pan Frost action Depth to saturated zone Dusty Chippewa 5% Depth to thick cemented pan Depth to saturated zone Frost action Dusty
69B	Erie channery silt loam, 3 to 8 percent slopes	Very limited	Erie 95% Depth to thin cemented pan Frost action Depth to saturated zone Dusty Chippewa 5% Depth to thick cemented pan Depth to saturated zone Frost action Dusty

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69C	Erie channery silt loam, 8 to 15 percent slopes	Very limited	Erie 95% Depth to thin cemented pan Frost action Depth to saturated zone Slope Dusty Chippewa 5% Depth to thick cemented pan Depth to saturated zone Frost action Dusty
71A	Darien silt loam, 0 to 3 percent slopes	Very limited	Darien 95% Frost action Low strength Depth to saturated zone 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
71B	Darien silt loam, 3 to 8 percent slopes	Very limited	Darien 95% Frost action Low strength Depth to saturated zone 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

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
71C	Darien silt loam, 8 to 15 percent slopes	Very limited	Darien 95% Frost action Low strength Depth to saturated zone Slope 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 Low strength Depth to saturated zone 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
72B	Darien-Ilion silt loams, 3 to 8 percent slopes	Very limited	Darien 68% Frost action Low strength Depth to saturated zone 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
73B	Greter silt loam, 3 to 8 percent slopes	Very limited	Greter 95% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty Greter, poorly drained 5% Depth to saturated zone Frost action Low strength Depth to hard bedrock Dusty
73C	Greter silt loam, 8 to 15 percent slopes	Very limited	Greter 95% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope Greter, poorly drained 5% Depth to saturated zone Frost action Low strength Depth to hard bedrock Dusty
73D	Greter channery silt loam, 15 to 25 percent slopes	Very limited	Greter 90% Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock Mongaup, very stony 8% Slope Depth to hard bedrock Frost action Dusty Greter, poorly drained 2% Depth to saturated zone Frost action Low strength Depth to hard bedrock Dusty
76B	Orpark silt loam, 3 to 8 percent slopes	Very limited	Orpark 95% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty Orpark, poorly drained 5% Depth to saturated zone Frost action Low strength Depth to hard bedrock Dusty

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Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
76C	Orpark silt loam, 8 to 15 percent slopes	Very limited	Orpark 95% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope Orpark, poorly drained 5% Depth to saturated zone Frost action Low strength Depth to hard bedrock Dusty
76D	Orpark channery silt loam, 15 to 25 percent slopes	Very limited	Orpark 90% Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock Lordstown, very stony 5% Slope Depth to hard bedrock Frost action Large stones Dusty Orpark, poorly drained 5% Depth to saturated zone Frost action Low strength Depth to hard bedrock 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

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Aggregation Method: Dominant Condition
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 4% Depth to hard bedrock Slope Large stones Frost action Dusty Gretor 1% Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock

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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 Subsidence Frost action Low strength Palms, drained 40% Depth to saturated zone Subsidence Frost action Low strength 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 Subsidence Frost action Low strength Carlisle, drained 40% Depth to saturated zone Subsidence Frost action Low strength Dusty Palms, undrained 10% Ponding Depth to saturated zone Subsidence Frost action Low strength Canandaigua 5% Ponding Depth to saturated zone Frost action 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
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 Subsidence Frost action Low strength Dusty

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Aggregation Method: Dominant Condition
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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 Carlisle, undrained 5% Ponding Depth to saturated zone Subsidence Frost action Low strength Fluvaquents, frequently flooded 5% Depth to saturated zone Frost action Flooding Palms, undrained 5% Ponding Depth to saturated zone Subsidence Frost action Low strength
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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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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Tie-break Rule: Higher

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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 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
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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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	Very limited	Danley 50% Low strength Depth to saturated zone Frost action Dusty Kendaia 1% Frost action Depth to saturated zone Dusty Appleton 1% Depth to saturated zone Frost action Dusty
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 Palatine 1% Frost action Dusty Depth to hard bedrock
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 Wassaic 1% Frost action Depth to hard bedrock Slope Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
108D	Lansing loam, 15 to 25 percent slopes	Very limited	Lansing 85% 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% Frost action Depth to saturated zone 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 Low strength Depth to saturated zone Frost action Dusty Aurora 5% Slope Frost action Low strength Depth to saturated zone Dusty
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Ontario 90% Low strength Frost action Dusty Lima 10% Depth to saturated zone Frost action Dusty
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Low strength Frost action Slope Dusty Palmyra 5% Frost action Slope Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Low strength Frost action Dusty Palmyra 5% Slope Frost action Dusty
112E	Ontario fine sandy loam, 25 to 35 percent slopes	Very limited	Ontario 93% Slope Low strength Frost action Dusty Palmyra 5% Slope Frost action Dusty Manlius 2% Slope Frost action Large stones Dusty
114B	Ontario gravelly loam, 3 to 8 percent slopes	Somewhat limited	Ontario 98% Frost action Dusty Lima 2% Depth to saturated zone Frost action Dusty
114C	Ontario gravelly loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Frost action Dusty Palmyra 5% Slope Frost action Dusty
114D	Ontario gravelly loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Frost action Dusty Palmyra 5% Slope Frost action Dusty
116B	Ontario loam, 3 to 8 percent slopes	Somewhat limited	Ontario 90% Low strength Frost action Dusty Lima 5% Depth to saturated zone Frost action Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
116C	Ontario loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Low strength Frost action Dusty Lima 5% Slope Depth to saturated zone Frost action Dusty
116D	Ontario loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Low strength Frost action Dusty
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Very limited	Ontario 40% Slope Low strength Frost action Dusty Honeoye 35% Slope Frost action Dusty Lansing 20% Slope Frost action Dusty Aurora 5% Slope Frost action Low strength Depth to saturated zone 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 Nuhi 5% Low strength Depth to saturated zone Frost action Depth to hard bedrock 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 Nuhi 5% Low strength Depth to saturated zone Frost action Depth to hard bedrock Dusty
132A	Galoo loam, 0 to 3 percent slopes, rocky	Very limited	Galoo 95% Depth to hard bedrock Frost action Dusty Nuhi 4% Low strength Depth to saturated zone Frost action Depth to hard bedrock Dusty
132B	Galoo loam, 3 to 8 percent slopes, rocky	Very limited	Galoo 95% Depth to hard bedrock Frost action Dusty Nuhi 4% Low strength Depth to saturated zone Frost action Depth to hard bedrock Dusty
134A	Camillus silt loam, 0 to 3 percent slopes	Somewhat limited	Camillus 95% Low strength Frost action Depth to hard bedrock Dusty
134B	Camillus silt loam, 3 to 8 percent slopes	Somewhat limited	Camillus 95% Low strength Frost action Depth to hard bedrock Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
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
152C	Valois gravelly loam, 8 to 15 percent slopes	Somewhat limited	Valois 85% Slope Frost action Dusty Cadosia 5% Slope Frost action Dusty Large stones Mardin 5% Depth to thin cemented pan Depth to saturated zone Slope Frost action Dusty
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% Slope Depth to thin cemented pan Frost action Low strength Depth to saturated zone

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152E	Valois gravelly loam, 25 to 35 percent slopes	Very limited	Valois 85% 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
152B	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

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

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
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
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 Low strength Depth to hard bedrock Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Very limited	Ontusia 90% 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
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

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171C	Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes	Somewhat limited	Lordstown 40% Depth to hard bedrock Slope Frost action Large stones Dusty Manlius 20% Slope Frost action Large stones Dusty Towerville 20% Depth to hard bedrock Depth to saturated zone Slope Frost action Large stones Cadosia 10% Slope Frost action Dusty Large stones Mardin 5% Depth to thin cemented pan Depth to saturated zone Slope Frost action Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171D	Lordstown-Manlius-Towerville complex, 15 to 25 percent slopes, very stony	Very limited	Lordstown, very stony 40% Slope Depth to hard bedrock Frost action Large stones Dusty Manlius, very stony 20% Slope Frost action Large stones Dusty Towerville, very stony 20% Slope Depth to hard bedrock Depth to saturated zone Frost action Large stones Cadosia 10% Slope Frost action Dusty Large stones Arnot 5% Depth to hard bedrock Slope Large stones Frost action Dusty Mardin 5% Slope Depth to thin cemented pan Depth to saturated zone Frost action Dusty

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

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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

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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 Low strength Depth to saturated zone Depth to hard bedrock

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
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"> Slope Depth to hard bedrock Frost action Dusty <p>Ischua, extremely stony 40%</p> <ul style="list-style-type: none"> Slope Depth to hard bedrock Depth to saturated zone Frost action Dusty <p>Rockrift 10%</p> <ul style="list-style-type: none"> Slope Frost action Large stones Dusty <p>Willdin 3%</p> <ul style="list-style-type: none"> Slope Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan <p>Greter 2%</p> <ul style="list-style-type: none"> Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock
182B	Mongaup channery loam, 3 to 8 percent slopes	Somewhat limited	<p>Mongaup 75%</p> <ul style="list-style-type: none"> Depth to hard bedrock Frost action Dusty <p>Rockrift 10%</p> <ul style="list-style-type: none"> Frost action Large stones Dusty <p>Willdin 8%</p> <ul style="list-style-type: none"> Depth to thin cemented pan Depth to saturated zone Frost action Depth to thick cemented pan Dusty <p>Ischua 5%</p> <ul style="list-style-type: none"> Depth to hard bedrock Depth to saturated zone Frost action 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
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
201B	Lima loam, 3 to 8 percent slopes	Somewhat limited	Lima 85% Frost action Depth to saturated zone Dusty Honeoye 6% Frost action 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
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
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

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
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Very limited	Phelps 85% Frost action Depth to saturated zone Low strength Dusty 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 Low strength Dusty Homer 5% Frost action Depth to saturated zone Dusty
212A	Nuhi silt loam, 0 to 3 percent slopes	Very limited	Nuhi 85% Low strength Depth to saturated zone Frost action Depth to hard bedrock Dusty Farmington 10% Depth to hard bedrock Frost action Dusty Nuhi, poorly drained 5% Depth to saturated zone Low strength Frost action Depth to hard bedrock Dusty
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Very limited	Aurora 60% Frost action Low strength Depth to saturated zone Dusty Depth to hard bedrock Angola 30% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty Darrien 5% Frost action Low strength Depth to saturated zone Dusty Danley 5% Low strength Depth to saturated zone Frost action 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
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Very limited	Aurora 60% Frost action Low strength Slope Depth to saturated zone Dusty Angola 30% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope Danley 5% Low strength Slope Depth to saturated zone Frost action Dusty Darien 5% Frost action Low strength Depth to saturated zone Slope Dusty
240D	Aurora-Angola silt loams, 15 to 25 percent slopes	Very limited	Aurora 60% Slope Frost action Low strength Depth to saturated zone Dusty Angola 30% Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock Danley 5% Slope Low strength Depth to saturated zone Frost action Dusty Darien 5% Slope Frost action Low strength Depth to saturated zone 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
241B	Aurora silt loam, 3 to 8 percent slopes	Very limited	Aurora 85% Frost action Low strength Depth to saturated zone Dusty Depth to hard bedrock Angola 10% Frost action Low strength Depth to saturated zone Depth to hard bedrock Dusty Danley 5% Low strength Depth to saturated zone Frost action Dusty
241C	Aurora silt loam, 8 to 15 percent slopes	Very limited	Aurora 85% Frost action Low strength Slope Depth to saturated zone Dusty Angola 8% Frost action Low strength Depth to saturated zone Depth to hard bedrock Slope Danley 7% Low strength Slope Depth to saturated zone Frost action Dusty
241D	Aurora silt loam, 15 to 25 percent slopes	Very limited	Aurora 85% Slope Frost action Low strength Depth to saturated zone Dusty Danley 10% Slope Low strength Depth to saturated zone Frost action Dusty Angola 5% Slope Frost action Low strength Depth to saturated zone Depth to hard bedrock

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
255B	Cazenovia silt loam, 3 to 8 percent slopes	Very limited	Cazenovia 85% Low strength Frost action Depth to saturated zone Shrink-swell Dusty Ovid 10% Frost action Low strength Depth to saturated zone Shrink-swell Dusty Cayuga 5% Low strength Frost action Depth to saturated zone Dusty
255C	Cazenovia silt loam, 8 to 15 percent slopes	Very limited	Cazenovia 85% Low strength Slope Frost action Depth to saturated zone Shrink-swell Cayuga 8% Low strength Slope Frost action Depth to saturated zone Dusty Ovid 7% Frost action Low strength Depth to saturated zone Slope Shrink-swell
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 Low strength Depth to saturated zone Slope Shrink-swell

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
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
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 Low strength Dusty Schoharie 5% Slope Low strength Frost action Shrink-swell Depth to saturated zone

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
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 Churchville 2% Depth to saturated zone Frost action Dusty Shrink-swell Ovid 2% Frost action Low strength Depth to saturated zone Shrink-swell Dusty
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 Low strength Depth to saturated zone Shrink-swell Dusty
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 Ilion 5% Depth to saturated zone Frost action Low strength Shrink-swell Dusty Darien 5% Frost action Low strength Depth to saturated zone 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
356A	Ovid silt loam, 0 to 3 percent slopes	Very limited	Ovid 85% Frost action Low strength Depth to saturated zone 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 Low strength Depth to saturated zone 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
357B	Ovid silty clay loam, 3 to 8 percent slopes	Very limited	Ovid 85% Frost action Low strength Depth to saturated zone 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
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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
357C	Ovid silty clay loam, 8 to 15 percent slopes	Very limited	Ovid 85% Frost action Low strength Depth to saturated zone 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 Ontario 5% Low strength Frost action Dusty Palmyra 5% Frost action Dusty Lima 5% Depth to saturated zone Frost action Dusty Howard 5% Frost action 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%
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

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.