

Catastrophic Mortality, Large Animal Disposal, Trench

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% Flooding Wetness Seepage Unstable excavation walls Sand content Udifluvents, frequently flooded 40% Flooding Wetness Unstable excavation walls Seepage Water gathering surface Wayland 10% Flooding Wetness Water gathering surface Dusty Unstable excavation walls Naples Creek 5% Flooding Wetness Water gathering surface Dusty Unstable excavation walls
2A	Geneseo silty clay loam, 0 to 3 percent slopes	Very limited	Geneseo 90% Flooding Wetness Dusty Unstable excavation walls Naples Creek 10% Flooding Wetness Water gathering surface Dusty Unstable excavation walls
3A	Hemlock silty clay loam, 0 to 3 percent slopes	Very limited	Hemlock 90% Flooding Wetness Water gathering surface Dusty Unstable excavation walls Naples Creek 10% Flooding Wetness Water gathering surface Dusty Unstable excavation walls

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4A	Naples Creek silty clay loam, 0 to 3 percent slopes	Very limited	Naples Creek 90% Flooding Wetness Water gathering surface Dusty Unstable excavation walls Hemlock 5% Flooding Wetness Water gathering surface Dusty Unstable excavation walls Wayland 5% Flooding Wetness Water gathering surface Dusty Unstable excavation walls
5A	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Very limited	Wayland 60% Flooding Wetness Unstable excavation walls Dusty Wayland, very poorly drained 30% Ponding Flooding Wetness Water gathering surface Unstable excavation walls Wakeville 10% Flooding Wetness Water gathering surface Unstable excavation walls Dusty
12D	Rockrift channery silt loam, 15 to 25 percent slopes	Very limited	Rockrift 85% Slope Large stones Unstable excavation walls Dusty Mongaup, very stony 10% Slope Depth to bedrock Unstable excavation walls Dusty Willdin 5% Slope Wetness Water gathering surface Unstable excavation walls Dusty
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 Dusty Unstable excavation walls Lordstown, very stony 10% Slope Depth to bedrock Large stones Unstable excavation walls Dusty Mardin 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls
15A	Guyanoga channery silt loam, fan, 0 to 3 percent slopes	Very limited	Guyanoga, fan 90% Wetness Seepage Flooding Large stones Water gathering surface Chenango, fan 5% Wetness Seepage Flooding Unstable excavation walls Dusty Hemlock 5% Flooding Wetness Water gathering surface Dusty Unstable excavation walls
15B	Guyanoga channery silt loam, fan, 3 to 8 percent slopes	Very limited	Guyanoga, fan 90% Wetness Seepage Flooding Large stones Water gathering surface Chenango, fan 5% Wetness Seepage Flooding Unstable excavation walls Dusty Hemlock 5% Flooding Wetness Water gathering surface Dusty Unstable excavation walls

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16A	Almond channery silt loam, 0 to 3 percent slopes	Very limited	Almond 80% Wetness Water gathering surface Unstable excavation walls Dusty Ontusia 10% Wetness Water gathering surface Unstable excavation walls Dusty Norchip 5% Wetness Water gathering surface Unstable excavation walls Dusty Greter 5% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
16B	Almond channery silt loam, 3 to 8 percent slopes	Very limited	Almond 80% Wetness Water gathering surface Unstable excavation walls Dusty Ontusia 10% Wetness Water gathering surface Unstable excavation walls Dusty Norchip 5% Wetness Water gathering surface Unstable excavation walls Dusty Greter 5% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
16C	Almond channery silt loam, 8 to 15 percent slopes	Very limited	Almond 80% Wetness Water gathering surface Slope Unstable excavation walls Dusty Ontusia 10% Wetness Water gathering surface Slope Unstable excavation walls Dusty Greter 5% Wetness Depth to bedrock Water gathering surface Slope Unstable excavation walls Norchip 5% Wetness Water gathering surface Unstable excavation walls Dusty
18A	Homer fine sandy loam, 0 to 3 percent slopes	Very limited	Homer 90% Wetness Seepage Too sandy Water gathering surface Unstable excavation walls Fine-loamy, mixed, active, mesic Typic Argiaquolls 5% Wetness Water gathering surface Dusty Unstable excavation walls Phelps 5% Wetness Seepage Sand content Water gathering surface Dusty

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19A	Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Fine-loamy, mixed, active, mesic Typic Argiaquolls 80% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Homer 8% Wetness Seepage Too sandy Water gathering surface Unstable excavation walls Atherton 7% Wetness Water gathering surface Seepage Dusty Unstable excavation walls Palms, undrained 5% Ponding Wetness Organic matter content Dusty Unstable excavation walls
20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Atherton 40% Wetness Water gathering surface Seepage Dusty Unstable excavation walls Fine-loamy, mixed, active, mesic Typic Argiaquolls 40% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Homer 8% Wetness Seepage Too sandy Water gathering surface Unstable excavation walls Canandaigua 7% Wetness Water gathering surface Dusty Unstable excavation walls Castile 5% Wetness Seepage Water gathering surface Dusty Unstable excavation walls

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24A	Howard gravelly loam, 0 to 3 percent slopes	Very limited	Howard 80% Seepage Too sandy Dusty Unstable excavation walls Palmyra 10% Seepage Too sandy Dusty Unstable excavation walls Arkport 5% Seepage Sand content Unstable excavation walls Phelps 5% Wetness Seepage Sand content Water gathering surface Dusty
24B	Howard gravelly loam, 3 to 8 percent slopes	Very limited	Howard 80% Seepage Too sandy Dusty Unstable excavation walls Palmyra 10% Seepage Too sandy Dusty Unstable excavation walls Arkport 5% Seepage Sand content Unstable excavation walls Phelps 5% Wetness Seepage Sand content Water gathering surface Dusty

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24C	Howard gravelly loam, 8 to 15 percent slopes	Very limited	Howard 80% Seepage Too sandy Slope Dusty Unstable excavation walls Palmyra 10% Seepage Too sandy Slope Dusty Unstable excavation walls Phelps 5% Wetness Seepage Sand content Water gathering surface Dusty Arkport 5% Seepage Sand content Slope Unstable excavation walls
24D	Howard soils, 15 to 25 percent slopes	Very limited	Howard 65% Slope Seepage Too sandy Dusty Unstable excavation walls Palmyra 20% Slope Seepage Too sandy Dusty Unstable excavation walls Arkport 13% Slope Seepage Sand content Unstable excavation walls Phelps 2% Wetness Seepage Sand content Water gathering surface Dusty
25A	Chenango gravelly loam, 0 to 3 percent slopes	Very limited	Chenango 90% Seepage Unstable excavation walls Dusty Castile 8% Wetness Seepage Water gathering surface Dusty Unstable excavation walls Valois 2% Seepage Unstable excavation walls Dusty

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25B	Chenango gravelly loam, 3 to 8 percent slopes	Very limited	Chenango 90% Seepage Unstable excavation walls Dusty Castile 5% Wetness Seepage Water gathering surface Dusty Unstable excavation walls Valois 5% Seepage Unstable excavation walls Dusty
25C	Chenango gravelly loam, 8 to 15 percent slopes	Very limited	Chenango 90% Seepage Slope Unstable excavation walls Dusty Castile 5% Wetness Seepage Water gathering surface Slope Dusty Valois 5% Seepage Slope Unstable excavation walls Dusty
25D	Chenango gravelly loam, 15 to 25 percent slopes	Very limited	Chenango 90% Slope Seepage Unstable excavation walls Dusty Castile 8% Wetness Seepage Slope Water gathering surface Dusty Valois 2% Slope Seepage Unstable excavation walls Dusty
25E	Chenango gravelly loam, 25 to 35 percent slopes	Very limited	Chenango 90% Slope Seepage Unstable excavation walls Dusty Valois 10% Slope Seepage Unstable excavation walls Dusty

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26B	Chenango channery loam, fan, 3 to 8 percent slopes	Very limited	Chenango, fan 85% Wetness Seepage Flooding Unstable excavation walls Dusty Guyanoga, fan 5% Wetness Seepage Flooding Large stones Water gathering surface Hemlock 5% Flooding Wetness Water gathering surface Dusty Unstable excavation walls Castile 5% Wetness Seepage Water gathering surface Dusty Unstable excavation walls
27B	Castile gravelly silt loam, 3 to 8 percent slopes	Very limited	Castile 85% Wetness Seepage Water gathering surface Dusty Unstable excavation walls Homer 5% Wetness Seepage Too sandy Water gathering surface Unstable excavation walls Chenango 5% Seepage Unstable excavation walls Dusty Phelps 5% Wetness Seepage Sand content Water gathering surface Dusty
31A	Collamer silt loam, 0 to 3 percent slopes	Very limited	Collamer 85% Wetness Water gathering surface Dusty Unstable excavation walls Niagara 10% Wetness Water gathering surface Dusty Unstable excavation walls Schoharie 5% Wetness Water gathering surface Dusty Unstable excavation walls

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31B	Collamer silt loam, 3 to 8 percent slopes	Very limited	Collamer 85% Wetness Water gathering surface Dusty Unstable excavation walls Niagara 10% Wetness Water gathering surface Dusty Unstable excavation walls Schoharie 5% Wetness Water gathering surface Dusty Unstable excavation walls
31C	Collamer silt loam, 8 to 15 percent slopes	Very limited	Collamer 85% Wetness Slope Water gathering surface Dusty Unstable excavation walls Niagara 10% Wetness Water gathering surface Dusty Unstable excavation walls Schoharie 5% Wetness Slope Water gathering surface Dusty Unstable excavation walls
31D	Collamer silt loam, 15 to 25 percent slopes	Very limited	Collamer 90% Slope Wetness Water gathering surface Dusty Unstable excavation walls Niagara 5% Wetness Slope Water gathering surface Dusty Unstable excavation walls Schoharie 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls
32A	Dunkirk fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Dusty Unstable excavation walls
32B	Dunkirk fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Dusty Unstable excavation walls
33A	Dunkirk silt loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Dusty Unstable excavation walls

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33B	Dunkirk silt loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Dusty Unstable excavation walls
33C	Dunkirk silt loam, 8 to 15 percent slopes	Somewhat limited	Dunkirk 90% Slope Dusty Unstable excavation walls
33D	Dunkirk silt loam, 15 to 25 percent slopes	Very limited	Dunkirk 90% Slope Dusty Unstable excavation walls Arkport 5% Slope Seepage Sand content Unstable excavation walls Schoharie 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls
33E	Dunkirk silt loam, 25 to 35 percent slopes	Very limited	Dunkirk 90% Slope Dusty Unstable excavation walls Arkport 5% Slope Seepage Sand content Unstable excavation walls Schoharie 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls

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34A	Lakemont silty clay loam, 0 to 3 percent slopes	Very limited	Lakemont 85% Wetness Water gathering surface Dusty Unstable excavation walls Odessa 5% Wetness Water gathering surface Dusty Unstable excavation walls Fonda 4% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 4% Wetness Water gathering surface Dusty Unstable excavation walls Barre 2% Wetness Water gathering surface Dusty Unstable excavation walls
35A	Odessa silt loam, 0 to 3 percent slopes	Very limited	Odessa 85% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 5% Wetness Water gathering surface Dusty Unstable excavation walls Churchville 3% Wetness Water gathering surface Dusty Unstable excavation walls Rhinebeck 2% Wetness Water gathering surface Dusty Unstable excavation walls

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35B	Odessa silty clay loam, 3 to 8 percent slopes	Very limited	Odessa 85% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 4% Wetness Water gathering surface Dusty Unstable excavation walls Churchville 3% Wetness Water gathering surface Dusty Unstable excavation walls Rhinebeck 2% Wetness Water gathering surface Dusty Unstable excavation walls
36A	Schoharie silty clay loam, 0 to 3 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Dusty Unstable excavation walls Arkport 5% Seepage Sand content Unstable excavation walls
36B	Schoharie silty clay loam, 3 to 8 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Dusty Unstable excavation walls Arkport 5% Seepage Sand content Unstable excavation walls
36C	Schoharie silty clay loam, 8 to 15 percent slopes	Very limited	Schoharie 90% Wetness Slope Water gathering surface Dusty Unstable excavation walls Arkport 5% Seepage Slope Sand content Unstable excavation walls

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36D	Schoharie silty clay loam, 15 to 25 percent slopes	Very limited	Schoharie 90% Slope Wetness Water gathering surface Dusty Unstable excavation walls Arkport 5% Slope Seepage Sand content Unstable excavation walls Dunkirk 5% Slope Dusty Unstable excavation walls
36E	Schoharie silty clay loam, 25 to 45 percent slopes	Very limited	Schoharie 90% Slope Wetness Water gathering surface Dusty Unstable excavation walls Arkport 5% Slope Seepage Sand content Unstable excavation walls Dunkirk 5% Slope Dusty Unstable excavation walls
37A	Schoharie silt loam, 0 to 3 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Dusty Unstable excavation walls Odessa 5% Wetness Water gathering surface Dusty Unstable excavation walls
37B	Schoharie silt loam, 3 to 8 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Dusty Unstable excavation walls Odessa 5% Wetness Water gathering surface Dusty Unstable excavation walls

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38A	Niagara silt loam, 0 to 3 percent slopes	Very limited	Niagara 85% Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 5% Wetness Water gathering surface Dusty Unstable excavation walls Collamer 5% Wetness Water gathering surface Dusty Unstable excavation walls Rhinebeck 5% Wetness Water gathering surface Dusty Unstable excavation walls
38B	Niagara silt loam, 3 to 8 percent slopes	Very limited	Niagara 85% Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 5% Wetness Water gathering surface Dusty Unstable excavation walls Rhinebeck 5% Wetness Water gathering surface Dusty Unstable excavation walls Collamer 5% Wetness Water gathering surface Dusty Unstable excavation walls
39A	Rhinebeck silty clay loam, 0 to 3 percent slopes	Very limited	Rhinebeck 90% Wetness Water gathering surface Dusty Unstable excavation walls Niagara 5% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 5% Wetness Water gathering surface Dusty Unstable excavation walls

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41A	Aeric Epiaquepts, 0 to 3 percent slopes	Very limited	Aeric Epiaquepts 50% Wetness Water gathering surface Unstable excavation walls Dusty Aeric Epiaquepts 45% Wetness Water gathering surface Unstable excavation walls Dusty Elnora 5% Wetness Seepage Too sandy Unstable excavation walls Water gathering surface
43A	Canandaigua silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 4% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Niagara 3% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 3% Wetness Water gathering surface Dusty Unstable excavation walls
44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 5% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 3% Wetness Water gathering surface Dusty Unstable excavation walls Palms, undrained 2% Ponding Wetness Organic matter content Dusty Unstable excavation walls

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45A	Fonda mucky silt loam, 0 to 3 percent slopes	Very limited	Fonda 95% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 3% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Palms, undrained 2% Ponding Wetness Organic matter content Dusty Unstable excavation walls
46A	Galen fine sandy loam, 0 to 3 percent slopes	Very limited	Galen 90% Wetness Seepage Sand content Water gathering surface Unstable excavation walls Aeric Epiaquepts 5% Wetness Water gathering surface Unstable excavation walls Dusty Kendaia 5% Wetness Water gathering surface Dusty Unstable excavation walls
46B	Galen fine sandy loam, 3 to 8 percent slopes	Very limited	Galen 90% Wetness Seepage Sand content Water gathering surface Unstable excavation walls Aeric Epiaquepts 5% Wetness Water gathering surface Unstable excavation walls Dusty Kendaia 5% Wetness Water gathering surface Dusty Unstable excavation walls
48A	Arkport fine sandy loam, 0 to 3 percent slopes	Very limited	Arkport 95% Seepage Sand content Unstable excavation walls Galen 2% Wetness Seepage Sand content Water gathering surface Unstable excavation walls

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48B	Arkport fine sandy loam, 3 to 8 percent slopes	Very limited	Arkport 95% Seepage Sand content Unstable excavation walls Galen 2% Wetness Seepage Sand content Water gathering surface Unstable excavation walls
48C	Arkport fine sandy loam, 8 to 15 percent slopes	Very limited	Arkport 95% Seepage Slope Sand content Unstable excavation walls Galen 2% Wetness Seepage Sand content Water gathering surface Unstable excavation walls
48D	Arkport fine sandy loam, 15 to 25 percent slopes	Very limited	Arkport 90% Slope Seepage Sand content Unstable excavation walls Dunkirk 8% Slope Dusty Unstable excavation walls Palmyra 2% Slope Seepage Too sandy Dusty Unstable excavation walls
49B	Arkport loamy fine sand, 3 to 8 percent slopes	Very limited	Arkport 95% Seepage Sand content Unstable excavation walls Galen 2% Wetness Seepage Sand content Water gathering surface Unstable excavation walls
49D	Arkport loamy fine sand, 15 to 25 percent slopes	Very limited	Arkport 95% Slope Seepage Sand content Unstable excavation walls Dunkirk 3% Slope Dusty Unstable excavation walls Palmyra 2% Slope Seepage Too sandy Dusty Unstable excavation walls

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49E	Arkport loamy fine sand, 25 to 35 percent slopes	Very limited	Arkport 90% Slope Seepage Sand content Unstable excavation walls Dunkirk 8% Slope Dusty Unstable excavation walls Palmyra 2% Slope Seepage Too sandy Dusty Unstable excavation walls
49F	Arkport loamy fine sand, 35 to 55 percent slopes	Very limited	Arkport 90% Slope Seepage Sand content Unstable excavation walls Dunkirk 8% Slope Dusty Unstable excavation walls Palmyra 2% Slope Seepage Too sandy Dusty Unstable excavation walls
50B	Dunkirk-Arkport complex, 3 to 8 percent slopes	Very limited	Arkport 45% Seepage Sand content Unstable excavation walls Collamer 5% Wetness Water gathering surface Dusty Unstable excavation walls
50C	Dunkirk-Arkport complex, 8 to 15 percent slopes	Somewhat limited	Dunkirk 60% Slope Dusty Unstable excavation walls
50D	Dunkirk-Arkport complex, 15 to 25 percent slopes	Very limited	Dunkirk 60% Slope Dusty Unstable excavation walls Arkport 35% Slope Seepage Sand content Unstable excavation walls Collamer 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls

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53A	Lamson fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Wetness Water gathering surface Seepage Unstable excavation walls Lamson 5% Ponding Wetness Too sandy Unstable excavation walls Water gathering surface Canandaigua 3% Wetness Water gathering surface Dusty Unstable excavation walls Galen 2% Wetness Seepage Sand content Water gathering surface Unstable excavation walls
54A	Lamson mucky fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Ponding Wetness Too sandy Unstable excavation walls Water gathering surface Canandaigua 5% Wetness Water gathering surface Dusty Unstable excavation walls Lamson 5% Wetness Water gathering surface Seepage Unstable excavation walls
56A	Elnora loamy fine sand, 0 to 3 percent slopes	Very limited	Elnora 90% Wetness Seepage Too sandy Unstable excavation walls Water gathering surface Aeric Epiaquepts 10% Wetness Water gathering surface Unstable excavation walls Dusty
58B	Colonie loamy fine sand, 3 to 8 percent slopes	Very limited	Colonie 95% Seepage Unstable excavation walls Sand content Elnora 5% Wetness Seepage Too sandy Unstable excavation walls Water gathering surface

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58C	Colonie loamy fine sand, 8 to 15 percent slopes	Very limited	Colonie 95% Seepage Unstable excavation walls Slope Sand content Elnora 5% Wetness Seepage Too sandy Unstable excavation walls Water gathering surface
62B	Mardin channery silt loam, 3 to 8 percent slopes	Very limited	Mardin 85% Wetness Unstable excavation walls Dusty Lordstown 5% Depth to bedrock Unstable excavation walls Dusty Volusia 5% Wetness Water gathering surface Unstable excavation walls Dusty
62C	Mardin channery silt loam, 8 to 15 percent slopes	Very limited	Mardin 88% Wetness Slope Unstable excavation walls Dusty Bath 5% Slope Wetness Unstable excavation walls Dusty Volusia 5% Wetness Water gathering surface Unstable excavation walls Dusty Lordstown 2% Slope Depth to bedrock Unstable excavation walls Dusty

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62D	Mardin channery silt loam, 15 to 25 percent slopes	Very limited	Mardin 85% Slope Wetness Water gathering surface Unstable excavation walls Dusty Bath 5% Slope Wetness Unstable excavation walls Dusty Lordstown 5% Slope Depth to bedrock Unstable excavation walls Dusty Volusia 5% Wetness Slope Water gathering surface Unstable excavation walls Dusty
62E	Mardin channery silt loam, 25 to 35 percent slopes	Very limited	Mardin 80% Slope Wetness Water gathering surface Unstable excavation walls Dusty Bath 8% Slope Wetness Unstable excavation walls Dusty Lordstown, very stony 7% Slope Depth to bedrock Stoniness Large stones Unstable excavation walls Volusia 5% Slope Wetness Water gathering surface Unstable excavation walls Dusty
63B	Langford channery silt loam, 3 to 8 percent slopes	Very limited	Langford 90% Wetness Dusty Unstable excavation walls Erie 10% Wetness Water gathering surface Dusty Unstable excavation walls

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63C	Langford channery silt loam, 8 to 15 percent slopes	Very limited	Langford 90% Wetness Slope Dusty Unstable excavation walls Erie 10% Wetness Slope Water gathering surface Dusty Unstable excavation walls
63D	Langford channery silt loam, 15 to 25 percent slopes	Very limited	Langford 90% Slope Wetness Dusty Unstable excavation walls Erie 10% Slope Wetness Water gathering surface Dusty Unstable excavation walls
64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Very limited	Langford 55% Wetness Dusty Unstable excavation walls Erie 45% Wetness Water gathering surface Dusty Unstable excavation walls

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66A	Lyons soils, 0 to 3 percent slopes	Very limited	Lyons 75% Wetness Water gathering surface Dusty Unstable excavation walls Lyons, frequently ponded 15% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Appleton 3% Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 3% Wetness Water gathering surface Dusty Unstable excavation walls Kendaia 2% Wetness Water gathering surface Dusty Unstable excavation walls Ilion 1% Wetness Water gathering surface Dusty Unstable excavation walls Palms 1% Ponding Wetness Water gathering surface Dusty Unstable excavation walls
68A	Volusia channery silt loam, 0 to 3 percent slopes	Very limited	Volusia 90% Wetness Water gathering surface Unstable excavation walls Dusty Mardin 5% Wetness Unstable excavation walls Dusty Chippewa 5% Wetness Water gathering surface Unstable excavation walls Dusty

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
68B	Volusia channery silt loam, 3 to 8 percent slopes	Very limited	Volusia 90% Wetness Water gathering surface Unstable excavation walls Dusty Chippewa 5% Wetness Water gathering surface Unstable excavation walls Dusty Mardin 5% Wetness Slope Unstable excavation walls Dusty
68C	Volusia channery silt loam, 8 to 15 percent slopes	Very limited	Volusia 90% Wetness Slope Water gathering surface Unstable excavation walls Dusty Mardin 6% Slope Wetness Water gathering surface Unstable excavation walls Dusty Chippewa 4% Wetness Water gathering surface Unstable excavation walls Dusty
68D	Volusia channery silt loam, 15 to 25 percent slopes	Very limited	Volusia 90% Slope Wetness Water gathering surface Unstable excavation walls Dusty Mardin 7% Slope Wetness Water gathering surface Unstable excavation walls Dusty Chippewa 3% Wetness Water gathering surface Unstable excavation walls Dusty
69A	Erie channery silt loam, 0 to 3 percent slopes	Very limited	Erie 95% Wetness Water gathering surface Dusty Unstable excavation walls Chippewa 5% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

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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 95% Wetness Water gathering surface Dusty Unstable excavation walls Chippewa 5% Wetness Water gathering surface Dusty Unstable excavation walls
69C	Erie channery silt loam, 8 to 15 percent slopes	Very limited	Erie 95% Wetness Slope Water gathering surface Dusty Unstable excavation walls Chippewa 5% Wetness Water gathering surface Dusty Unstable excavation walls
71A	Darien silt loam, 0 to 3 percent slopes	Very limited	Darien 95% Wetness Water gathering surface Dusty Unstable excavation walls Ilion 4% Wetness Water gathering surface Dusty Unstable excavation walls Angola 1% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
71B	Darien silt loam, 3 to 8 percent slopes	Very limited	Darien 95% Wetness Water gathering surface Dusty Unstable excavation walls Ilion 4% Wetness Water gathering surface Dusty Unstable excavation walls Angola 1% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

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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% Wetness Slope Water gathering surface Dusty Unstable excavation walls Ilion 4% Wetness Water gathering surface Dusty Unstable excavation walls Angola 1% Wetness Depth to bedrock Water gathering surface Slope Dusty
72A	Darien-Ilion silt loams, 0 to 3 percent slopes	Very limited	Darien 68% Wetness Water gathering surface Dusty Unstable excavation walls Ilion 27% Wetness Water gathering surface Dusty Unstable excavation walls Angola 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
72B	Darien-Ilion silt loams, 3 to 8 percent slopes	Very limited	Darien 68% Wetness Water gathering surface Dusty Unstable excavation walls Ilion 27% Wetness Water gathering surface Dusty Unstable excavation walls Angola 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
73B	Greter silt loam, 3 to 8 percent slopes	Very limited	Greter 95% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty Greter, poorly drained 5% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
73C	Greter silt loam, 8 to 15 percent slopes	Very limited	Greter 95% Wetness Depth to bedrock Slope Water gathering surface Unstable excavation walls Greter, poorly drained 5% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
73D	Greter channery silt loam, 15 to 25 percent slopes	Very limited	Greter 90% Slope Wetness Depth to bedrock Water gathering surface Unstable excavation walls Mongaup, very stony 8% Slope Depth to bedrock Unstable excavation walls Dusty Greter, poorly drained 2% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
76B	Orpark silt loam, 3 to 8 percent slopes	Very limited	Orpark 95% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls Orpark, poorly drained 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
76C	Orpark silt loam, 8 to 15 percent slopes	Very limited	Orpark 95% Wetness Depth to bedrock Slope Water gathering surface Dusty Orpark, poorly drained 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
76D	Orpark channery silt loam, 15 to 25 percent slopes	Very limited	Orpark 90% Slope Wetness Depth to bedrock Water gathering surface Dusty Lordstown, very stony 5% Slope Depth to bedrock Large stones Unstable excavation walls Dusty Orpark, poorly drained 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
77A	Chippewa silt loam, 0 to 3 percent slopes	Very limited	Chippewa 85% Wetness Water gathering surface Unstable excavation walls Dusty Chippewa, very poorly drained 10% Ponding Wetness Water gathering surface Unstable excavation walls Dusty Volusia 5% Wetness Water gathering surface Unstable excavation walls Dusty
77B	Chippewa silt loam, 3 to 8 percent slopes	Very limited	Chippewa 85% Wetness Water gathering surface Unstable excavation walls Dusty Volusia 10% Wetness Slope Water gathering surface Unstable excavation walls Dusty Chippewa, very poorly drained 5% Ponding Wetness Water gathering surface Unstable excavation walls Dusty

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
82B	Manlius channery silt loam, 3 to 8 percent slopes	Very limited	Manlius 95% Depth to bedrock Seepage Unstable excavation walls Large stones Dusty Gretor 5% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
82C	Manlius channery silt loam, 8 to 15 percent slopes	Very limited	Manlius 95% Depth to bedrock Seepage Slope Unstable excavation walls Large stones Gretor 5% Wetness Depth to bedrock Slope Water gathering surface Unstable excavation walls
82D	Manlius channery silt loam, 15 to 25 percent slopes	Very limited	Manlius 95% Slope Depth to bedrock Seepage Unstable excavation walls Large stones Arnot 4% Slope Depth to bedrock Unstable excavation walls Large stones Dusty Gretor 1% Slope Wetness Depth to bedrock Water gathering surface Unstable excavation walls
91A	Palms muck, 0 to 3 percent slopes	Very limited	Palms, undrained 55% Ponding Wetness Organic matter content Dusty Unstable excavation walls Palms, drained 40% Wetness Organic matter content Dusty Unstable excavation walls Canandaigua 5% Ponding Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
92A	Carlisle muck, 0 to 3 percent slopes	Very limited	<ul style="list-style-type: none"> Carlisle, undrained 45% Ponding Wetness Organic matter content Water gathering surface Seepage Carlisle, drained 40% Wetness Organic matter content Water gathering surface Seepage Dusty Palms, undrained 10% Ponding Wetness Organic matter content Dusty Unstable excavation walls Canandaigua 5% Ponding Wetness Water gathering surface Dusty Unstable excavation walls
93A	Edwards muck, 0 to 3 percent slopes	Very limited	<ul style="list-style-type: none"> Edwards, undrained 50% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Edwards, drained 35% Wetness Water gathering surface Dusty Unstable excavation walls Martisco, undrained 10% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 5% Ponding Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
94A	Martisco muck, 0 to 3 percent slopes	Very limited	Martisco, undrained 55% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Martisco, drained 35% Wetness Water gathering surface Dusty Unstable excavation walls Canandaigua 5% Ponding Wetness Water gathering surface Dusty Unstable excavation walls Palms, drained 5% Wetness Organic matter content Dusty Unstable excavation walls
95A	Saprists, 0 to 3 percent slopes, inundated	Very limited	Saprists, inundated 85% Ponding Wetness Organic matter content Water gathering surface Seepage Carlisle, undrained 5% Ponding Wetness Organic matter content Water gathering surface Seepage Fluvaquents, frequently flooded 5% Flooding Wetness Seepage Unstable excavation walls Sand content Palms, undrained 5% Ponding Wetness Organic matter content Dusty Unstable excavation walls
101A	Honeoye loam, 0 to 3 percent slopes	Somewhat limited	Honeoye 85% Unstable excavation walls Dusty Lansing 4% Dusty Unstable excavation walls
101B	Honeoye loam, 3 to 8 percent slopes	Somewhat limited	Honeoye 85% Unstable excavation walls Dusty Lansing 4% Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

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 Dusty Unstable excavation walls Lansing 4% Slope Dusty Unstable excavation walls
101D	Honeoye loam, 15 to 25 percent slopes	Very limited	Honeoye 85% Slope Unstable excavation walls Dusty Lima 5% Wetness Slope Unstable excavation walls Dusty Lansing 4% Slope Dusty Unstable excavation walls Kendaia 4% Wetness Slope Water gathering surface Dusty Unstable excavation walls Wassaic 2% Slope Depth to bedrock Dusty Unstable excavation walls
101E	Honeoye loam, 25 to 35 percent slopes	Very limited	Honeoye 85% Slope Unstable excavation walls Dusty Lima 5% Wetness Slope Unstable excavation walls Dusty Lansing 4% Slope Dusty Unstable excavation walls Kendaia 4% Wetness Slope Water gathering surface Dusty Unstable excavation walls Wassaic 2% Slope Depth to bedrock Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
104A	Honeoye loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Unstable excavation walls Dusty Lansing 4% Dusty Unstable excavation walls
104B	Honeoye loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Unstable excavation walls Dusty Lansing 4% Dusty Unstable excavation walls
104C	Honeoye loam, 8 to 15 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Slope Unstable excavation walls Dusty Lansing 4% Slope Dusty Unstable excavation walls
106B	Danley-Lansing complex, 3 to 8 percent slopes	Very limited	Danley 50% Wetness Dusty Unstable excavation walls Conesus 2% Wetness Dusty Unstable excavation walls Kendaia 1% Wetness Water gathering surface Dusty Unstable excavation walls Palatine 1% Depth to bedrock Dusty Unstable excavation walls Appleton 1% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
107B	Conesus-Lansing complex, 3 to 8 percent slopes	Very limited	Conesus 50% Wetness Dusty Unstable excavation walls Kendaia 2% Wetness Water gathering surface Dusty Unstable excavation walls Appleton 1% Wetness Water gathering surface Dusty Unstable excavation walls Danley 1% Wetness Dusty Unstable excavation walls Palatine 1% Depth to bedrock Dusty Unstable excavation walls
108C	Lansing loam, 8 to 15 percent slopes	Somewhat limited	Lansing 85% Slope Dusty Unstable excavation walls
108D	Lansing loam, 15 to 25 percent slopes	Very limited	Lansing 85% Slope Dusty Unstable excavation walls Conesus 9% Slope Wetness Dusty Unstable excavation walls Wassaic 3% Slope Depth to bedrock Dusty Unstable excavation walls Kendaia 2% Wetness Water gathering surface Slope Dusty Unstable excavation walls Appleton 1% Wetness Water gathering surface Slope Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
108E	Lansing loam, 25 to 35 percent slopes	Very limited	Lansing 85% Slope Dusty Unstable excavation walls Cazenovia 10% Slope Wetness Water gathering surface Dusty Unstable excavation walls Aurora 5% Slope Wetness Depth to bedrock Water gathering surface Dusty
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Ontario 90% Dusty Unstable excavation walls
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Dusty Unstable excavation walls
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Dusty Unstable excavation walls Palmyra 5% Slope Seepage Too sandy Dusty Unstable excavation walls
112E	Ontario fine sandy loam, 25 to 35 percent slopes	Very limited	Ontario 93% Slope Dusty Unstable excavation walls Palmyra 5% Slope Seepage Too sandy Dusty Unstable excavation walls Manlius 2% Slope Depth to bedrock Seepage Unstable excavation walls Large stones
114B	Ontario gravelly loam, 3 to 8 percent slopes	Somewhat limited	Ontario 98% Dusty Unstable excavation walls
114C	Ontario gravelly loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
114D	Ontario gravelly loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Dusty Unstable excavation walls Palmyra 5% Slope Seepage Too sandy Dusty Unstable excavation walls
116B	Ontario loam, 3 to 8 percent slopes	Somewhat limited	Ontario 90% Dusty Unstable excavation walls
116C	Ontario loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Dusty Unstable excavation walls
116D	Ontario loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Dusty Unstable excavation walls Lima 5% Wetness Slope Dusty Unstable excavation walls
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Very limited	Ontario 40% Slope Unstable excavation walls Dusty Honeoye 35% Slope Unstable excavation walls Dusty Lansing 20% Slope Dusty Unstable excavation walls Aurora 5% Slope Wetness Depth to bedrock Water gathering surface Dusty
120E	Palmyra and Howard soils, 25 to 45 percent slopes	Very limited	Palmyra 55% Slope Seepage Too sandy Dusty Unstable excavation walls Howard 40% Slope Seepage Too sandy Dusty Unstable excavation walls Colonie 5% Slope Seepage Unstable excavation walls Sand content

Catastrophic Mortality, Large Animal Disposal, Trench

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
122A	Palmyra cobbly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Seepage Sand content Dusty Unstable excavation walls
122B	Palmyra cobbly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Seepage Sand content Dusty Unstable excavation walls
124A	Palmyra fine sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Dusty Unstable excavation walls Howard 10% Seepage Too sandy Dusty Unstable excavation walls
124B	Palmyra fine sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Dusty Unstable excavation walls Howard 10% Seepage Too sandy Dusty Unstable excavation walls
126A	Palmyra gravelly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Seepage Too sandy Dusty Unstable excavation walls Arkport 5% Seepage Sand content Unstable excavation walls
126B	Palmyra gravelly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Seepage Too sandy Dusty Unstable excavation walls Arkport 5% Seepage Sand content Unstable excavation walls
126C	Palmyra gravelly loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Slope Dusty Unstable excavation walls Arkport 10% Seepage Slope Sand content Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
126D	Palmyra gravelly loam, 15 to 25 percent slopes	Very limited	Palmyra 90% Slope Seepage Too sandy Dusty Unstable excavation walls Arkport 10% Slope Seepage Sand content Unstable excavation walls
128A	Palmyra gravelly sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Unstable excavation walls Dusty Arkport 10% Seepage Sand content Unstable excavation walls
128B	Palmyra gravelly sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Unstable excavation walls Dusty Arkport 10% Seepage Sand content Unstable excavation walls
128C	Palmyra gravelly sandy loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Seepage Too sandy Slope Unstable excavation walls Dusty Arkport 10% Seepage Slope Sand content Unstable excavation walls
130A	Farmington loam, 0 to 3 percent slopes	Very limited	Farmington 90% Depth to bedrock Dusty Unstable excavation walls Galoo 5% Depth to bedrock Dusty Unstable excavation walls Nuhi 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
130B	Farmington loam, 3 to 8 percent slopes	Very limited	Farmington 90% Depth to bedrock Dusty Unstable excavation walls Galoo 5% Depth to bedrock Dusty Unstable excavation walls Nuhi 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
132A	Galoo loam, 0 to 3 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Rock outcrop Dusty Unstable excavation walls Nuhi 4% Wetness Depth to bedrock Rock outcrop Water gathering surface Dusty
132B	Galoo loam, 3 to 8 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Rock outcrop Dusty Unstable excavation walls Nuhi 4% Wetness Depth to bedrock Rock outcrop Water gathering surface Dusty
134A	Camillus silt loam, 0 to 3 percent slopes	Very limited	Camillus 95% Depth to bedrock Seepage Water gathering surface Dusty Unstable excavation walls Angola 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
134B	Camillus silt loam, 3 to 8 percent slopes	Very limited	Camillus 95% Depth to bedrock Seepage Water gathering surface Dusty Unstable excavation walls Angola 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
151C	Willdin-Norchip complex, 3 to 15 percent slopes	Very limited	Willdin 60% Wetness Unstable excavation walls Dusty Norchip 38% Wetness Water gathering surface Unstable excavation walls Dusty Palms, undrained 2% Ponding Wetness Organic matter content Unstable excavation walls Dusty
152B	Valois gravelly loam, 3 to 8 percent slopes	Very limited	Valois 85% Seepage Unstable excavation walls Dusty Volusia 5% Wetness Water gathering surface Dusty Unstable excavation walls Mardin 5% Wetness Water gathering surface Dusty Unstable excavation walls
152C	Valois gravelly loam, 8 to 15 percent slopes	Very limited	Valois 85% Seepage Slope Unstable excavation walls Dusty Volusia 5% Wetness Slope Water gathering surface Dusty Unstable excavation walls Mardin 5% Wetness Slope Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152D	Valois gravelly loam, 15 to 25 percent slopes	Very limited	Valois 85% Slope Seepage Unstable excavation walls Dusty Cadosia 6% Slope Dusty Unstable excavation walls Mardin 6% Slope Wetness Water gathering surface Dusty Unstable excavation walls Volusia 3% Slope Wetness Water gathering surface Dusty Unstable excavation walls
152E	Valois gravelly loam, 25 to 35 percent slopes	Very limited	Valois 85% Slope Seepage Unstable excavation walls Dusty Cadosia 6% Slope Dusty Unstable excavation walls Mardin 6% Slope Wetness Water gathering surface Dusty Unstable excavation walls Towerville, extremely stony 3% Slope Wetness Depth to bedrock Unstable excavation walls Large stones
153B	Valois gravelly loam, cool, 3 to 8 percent slopes	Very limited	Valois, cool 85% Seepage Unstable excavation walls Dusty Ontusia 5% Wetness Water gathering surface Unstable excavation walls Dusty Willdin 5% Wetness Water gathering surface Unstable excavation walls Dusty

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
153C	Valois gravelly loam, cool, 8 to 15 percent slopes	Very limited	Valois, cool 85% Seepage Slope Unstable excavation walls Dusty Ontusia 5% Wetness Slope Water gathering surface Unstable excavation walls Dusty Willdin 5% Wetness Slope Water gathering surface Unstable excavation walls Dusty
153D	Valois gravelly loam, cool, 15 to 25 percent slopes	Very limited	Valois, cool 85% Slope Seepage Unstable excavation walls Dusty Willdin 6% Slope Wetness Water gathering surface Unstable excavation walls Dusty Rockrift 6% Slope Large stones Unstable excavation walls Dusty Ontusia 3% Slope Wetness Water gathering surface Unstable excavation walls Dusty
153E	Valois gravelly loam, cool, 25 to 35 percent slopes	Very limited	Valois, cool 85% Slope Seepage Unstable excavation walls Dusty Willdin 6% Slope Wetness Water gathering surface Unstable excavation walls Dusty Rockrift 6% Slope Large stones Unstable excavation walls Dusty Ischua 3% Slope Wetness Depth to bedrock Water gathering surface Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
162B	Willdin channery silt loam, 3 to 8 percent slopes	Very limited	Willdin 85% Wetness Unstable excavation walls Dusty Ontusia 5% Wetness Water gathering surface Unstable excavation walls Dusty Middlebrook 5% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
162C	Willdin channery silt loam, 8 to 15 percent slopes	Very limited	Willdin 85% Wetness Slope Unstable excavation walls Dusty Ontusia 6% Wetness Water gathering surface Unstable excavation walls Dusty Lewbath 6% Slope Wetness Unstable excavation walls Dusty Middlebrook 3% Wetness Depth to bedrock Slope Water gathering surface Unstable excavation walls
162D	Willdin channery silt loam, 15 to 25 percent slopes	Very limited	Willdin 80% Slope Wetness Water gathering surface Unstable excavation walls Dusty Lewbath 10% Slope Wetness Unstable excavation walls Dusty Mongaup 5% Slope Depth to bedrock Seepage Large stones Unstable excavation walls Ontusia 5% Wetness Slope Water gathering surface Unstable excavation walls Dusty

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
168A	Ontusia channery silt loam, 0 to 3 percent slopes	Very limited	Ontusia 88% Wetness Water gathering surface Unstable excavation walls Dusty Norchip 5% Wetness Water gathering surface Unstable excavation walls Dusty Willdin 5% Wetness Unstable excavation walls Dusty Greter 2% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Very limited	Ontusia 90% Wetness Water gathering surface Unstable excavation walls Dusty Norchip 5% Wetness Water gathering surface Unstable excavation walls Dusty Willdin 5% Wetness Slope Unstable excavation walls Dusty
168C	Ontusia channery silt loam, 8 to 15 percent slopes	Very limited	Ontusia 90% Wetness Slope Water gathering surface Unstable excavation walls Dusty Norchip 5% Wetness Water gathering surface Unstable excavation walls Dusty Willdin 5% Slope Wetness Water gathering surface Unstable excavation walls Dusty

Catastrophic Mortality, Large Animal Disposal, Trench

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
168D	Ontusia channery silt loam, 15 to 25 percent slopes	Very limited	Ontusia 90% Slope Wetness Water gathering surface Unstable excavation walls Dusty Willdin 7% Slope Wetness Water gathering surface Unstable excavation walls Dusty Norchip 3% Wetness Water gathering surface Unstable excavation walls Dusty
171C	Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes	Very limited	Lordstown 40% Depth to bedrock Slope Large stones Unstable excavation walls Dusty Manlius 20% Depth to bedrock Seepage Slope Unstable excavation walls Large stones Towerville 20% Wetness Depth to bedrock Unstable excavation walls Slope Large stones Mardin 5% Wetness Slope Water gathering surface Dusty Unstable excavation walls Arnot 5% Depth to bedrock Unstable excavation walls Slope Large stones 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
171D	Lordstown-Manlius-Towerville complex, 15 to 25 percent slopes, very stony	Very limited	Lordstown, very stony 40% Slope Depth to bedrock Large stones Unstable excavation walls Dusty Manlius, very stony 20% Slope Depth to bedrock Seepage Unstable excavation walls Large stones Towerville, very stony 20% Slope Wetness Depth to bedrock Unstable excavation walls Large stones Cadosia 10% Slope Dusty Unstable excavation walls Arnot 5% Slope Depth to bedrock Unstable excavation walls Large stones Dusty Mardin 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls

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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
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 bedrock Large stones Unstable excavation walls Dusty <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> Slope Wetness Depth to bedrock Unstable excavation walls Large stones <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> Slope Depth to bedrock Seepage Unstable excavation walls Large stones <p>Cadosia 10%</p> <ul style="list-style-type: none"> Slope Dusty Unstable excavation walls <p>Mardin 5%</p> <ul style="list-style-type: none"> Slope Wetness Water gathering surface Dusty Unstable excavation walls <p>Arnot 5%</p> <ul style="list-style-type: none"> Slope Depth to bedrock Unstable excavation walls Large stones Dusty

Catastrophic Mortality, Large Animal Disposal, Trench

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
171F	Lordstown-Manlius-Towerville complex, 35 to 80 percent slopes, extremely stony	Very limited	Lordstown, extremely stony 40% Slope Depth to bedrock Large stones Unstable excavation walls Dusty Manlius, extremely stony 20% Slope Depth to bedrock Seepage Unstable excavation walls Large stones Towerville, extremely stony 20% Slope Wetness Depth to bedrock Unstable excavation walls Large stones Arnot, extremely stony 10% Slope Depth to bedrock Unstable excavation walls Dusty Cadosia, extremely stony 10% Slope Water gathering surface Large stones Unstable excavation walls Dusty
177A	Norchip silt loam, 0 to 3 percent slopes	Very limited	Norchip 85% Wetness Water gathering surface Unstable excavation walls Dusty Norchip, very poorly drained 10% Ponding Wetness Water gathering surface Unstable excavation walls Dusty Ontusia 5% Wetness Water gathering surface Unstable excavation walls Dusty

Catastrophic Mortality, Large Animal Disposal, Trench

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
177B	Norchip silt loam, 3 to 8 percent slopes	Very limited	Norchip 85% Wetness Water gathering surface Unstable excavation walls Dusty Norchip, very poorly drained 10% Ponding Wetness Water gathering surface Unstable excavation walls Dusty Ontusia 5% Wetness Slope Water gathering surface Unstable excavation walls Dusty
181B	Mongaup-Ischua complex, 3 to 8 percent slopes	Very limited	Mongaup 45% Depth to bedrock Unstable excavation walls Dusty Ischua 40% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty Willdin 3% Wetness Water gathering surface Unstable excavation walls Dusty Gretor 2% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
181C	Mongaup-Ischua complex, 8 to 15 percent slopes	Very limited	Mongaup 45% Depth to bedrock Slope Unstable excavation walls Dusty Ischua 40% Wetness Depth to bedrock Slope Water gathering surface Unstable excavation walls Willdin 3% Wetness Slope Water gathering surface Unstable excavation walls Dusty Gretor 2% Wetness Depth to bedrock Slope Water gathering surface Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
181D	Mongaup-Ischua complex, 15 to 25 percent slopes, very stony	Very limited	<p>Mongaup, very stony 45%</p> <ul style="list-style-type: none"> Slope Depth to bedrock Unstable excavation walls Dusty <p>Ischua, very stony 40%</p> <ul style="list-style-type: none"> Slope Wetness Depth to bedrock Water gathering surface Unstable excavation walls <p>Rockrift 10%</p> <ul style="list-style-type: none"> Slope Large stones Unstable excavation walls Dusty <p>Willdin 3%</p> <ul style="list-style-type: none"> Slope Wetness Water gathering surface Unstable excavation walls Dusty <p>Greter 2%</p> <ul style="list-style-type: none"> Slope Wetness Depth to bedrock Water gathering surface Unstable excavation walls
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 bedrock Unstable excavation walls Dusty <p>Ischua, extremely stony 40%</p> <ul style="list-style-type: none"> Slope Wetness Depth to bedrock Water gathering surface Unstable excavation walls <p>Rockrift 10%</p> <ul style="list-style-type: none"> Slope Large stones Unstable excavation walls Dusty <p>Willdin 3%</p> <ul style="list-style-type: none"> Slope Wetness Water gathering surface Unstable excavation walls Dusty <p>Greter 2%</p> <ul style="list-style-type: none"> Slope Wetness Depth to bedrock Water gathering surface Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
182B	Mongaup channery loam, 3 to 8 percent slopes	Very limited	Mongaup 75% Depth to bedrock Unstable excavation walls Dusty Willdin 8% Wetness Water gathering surface Unstable excavation walls Dusty Ischua 5% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty Greter 2% Wetness Depth to bedrock Water gathering surface Unstable excavation walls Dusty
182C	Mongaup channery loam, 8 to 15 percent slopes	Very limited	Mongaup 75% Depth to bedrock Slope Unstable excavation walls Dusty Willdin 8% Wetness Slope Water gathering surface Unstable excavation walls Dusty Ischua 5% Wetness Depth to bedrock Slope Water gathering surface Unstable excavation walls Greter 2% Wetness Depth to bedrock Slope Water gathering surface Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
201A	Lima loam, 0 to 3 percent slopes	Very limited	Lima 85% Wetness Unstable excavation walls Dusty Appleton 3% Wetness Water gathering surface Unstable excavation walls Dusty Kendaia 3% Wetness Water gathering surface Dusty Unstable excavation walls Lyons 2% Wetness Water gathering surface Dusty Unstable excavation walls Cazenovia 2% Wetness Water gathering surface Dusty Unstable excavation walls
201B	Lima loam, 3 to 8 percent slopes	Very limited	Lima 85% Wetness Unstable excavation walls Dusty Appleton 3% Wetness Water gathering surface Unstable excavation walls Dusty Kendaia 3% Wetness Water gathering surface Dusty Unstable excavation walls Cazenovia 2% Wetness Water gathering surface Dusty Unstable excavation walls Lyons 1% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
201C	Lima loam, 8 to 15 percent slopes	Very limited	Lima 85% Wetness Slope Unstable excavation walls Dusty Kendaia 3% Wetness Slope Water gathering surface Dusty Unstable excavation walls Appleton 3% Wetness Slope Water gathering surface Unstable excavation walls Dusty Cazenovia 2% Wetness Slope Water gathering surface Dusty Unstable excavation walls
204A	Lima loam, 0 to 3 percent slopes, lower clay surface	Very limited	Lima 85% Wetness Unstable excavation walls Dusty Appleton 3% Wetness Water gathering surface Unstable excavation walls Dusty Kendaia 3% Wetness Water gathering surface Dusty Unstable excavation walls Cazenovia 2% Wetness Water gathering surface Dusty Unstable excavation walls Lyons 2% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	Very limited	Lima 85% Wetness Unstable excavation walls Dusty Appleton 3% Wetness Water gathering surface Unstable excavation walls Dusty Kendaia 3% Wetness Water gathering surface Dusty Unstable excavation walls Cazenovia 2% Wetness Water gathering surface Dusty Unstable excavation walls Lyons 1% Wetness Water gathering surface Dusty Unstable excavation walls
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Very limited	Phelps 85% Wetness Seepage Sand content Water gathering surface Dusty Galen 10% Wetness Seepage Sand content Water gathering surface Unstable excavation walls Homer 5% Wetness Seepage Too sandy Water gathering surface Unstable excavation walls
210B	Phelps gravelly silt loam, 3 to 8 percent slopes	Very limited	Phelps 85% Wetness Seepage Sand content Water gathering surface Dusty Galen 10% Wetness Seepage Sand content Water gathering surface Unstable excavation walls Homer 5% Wetness Seepage Too sandy Water gathering surface Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
212A	Nuhi silt loam, 0 to 3 percent slopes	Very limited	Nuhi 85% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls Farmington 10% Depth to bedrock Dusty Unstable excavation walls Nuhi, poorly drained 5% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Very limited	Aurora 60% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls Angola 30% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls Darlen 5% Wetness Water gathering surface Dusty Unstable excavation walls Danley 5% Wetness Dusty Unstable excavation walls
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Very limited	Aurora 60% Wetness Depth to bedrock Slope Water gathering surface Dusty Angola 30% Wetness Depth to bedrock Water gathering surface Slope Dusty Danley 5% Wetness Slope Dusty Unstable excavation walls Darlen 5% Wetness Slope Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
240D	Aurora-Angola silt loams, 15 to 25 percent slopes	Very limited	Aurora 60% Slope Wetness Depth to bedrock Water gathering surface Dusty Angola 30% Slope Wetness Depth to bedrock Water gathering surface Dusty Danley 5% Slope Wetness Dusty Unstable excavation walls Darien 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls
241B	Aurora silt loam, 3 to 8 percent slopes	Very limited	Aurora 85% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls Angola 10% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls Danley 5% Wetness Dusty Unstable excavation walls
241C	Aurora silt loam, 8 to 15 percent slopes	Very limited	Aurora 85% Wetness Depth to bedrock Slope Water gathering surface Dusty Angola 8% Wetness Depth to bedrock Slope Water gathering surface Dusty Danley 7% Wetness Slope Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
241D	Aurora silt loam, 15 to 25 percent slopes	Very limited	Aurora 85% Slope Wetness Depth to bedrock Water gathering surface Dusty Danley 10% Slope Wetness Dusty Unstable excavation walls Angola 5% Slope Wetness Depth to bedrock Water gathering surface Dusty
255B	Cazenovia silt loam, 3 to 8 percent slopes	Very limited	Cazenovia 85% Wetness Water gathering surface Dusty Unstable excavation walls Ovid 10% Wetness Water gathering surface Dusty Unstable excavation walls Cayuga 5% Wetness Dusty Unstable excavation walls
255C	Cazenovia silt loam, 8 to 15 percent slopes	Very limited	Cazenovia 85% Wetness Slope Water gathering surface Dusty Unstable excavation walls Cayuga 8% Wetness Slope Dusty Unstable excavation walls Ovid 7% Wetness Slope Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
255D	Cazenovia silt loam, 15 to 25 percent slopes	Very limited	Cazenovia 85% Slope Wetness Water gathering surface Dusty Unstable excavation walls Cayuga 10% Slope Wetness Dusty Unstable excavation walls Ovid 5% Wetness Water gathering surface Slope Dusty Unstable excavation walls
260B	Cayuga silt loam, 3 to 8 percent slopes	Very limited	Cayuga 85% Wetness Dusty Unstable excavation walls Schoharie 10% Wetness Water gathering surface Dusty Unstable excavation walls Odessa 5% Wetness Water gathering surface Dusty Unstable excavation walls
260C	Cayuga silt loam, 8 to 15 percent slopes	Very limited	Cayuga 85% Wetness Slope Dusty Unstable excavation walls Schoharie 10% Wetness Water gathering surface Slope Dusty Unstable excavation walls Odessa 5% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
260D	Cayuga silt loam, 15 to 25 percent slopes	Very limited	Cayuga 85% Slope Wetness Dusty Unstable excavation walls Lansing 10% Slope Dusty Unstable excavation walls Schoharie 5% Slope Wetness Water gathering surface Dusty Unstable excavation walls
304A	Kendaia loam, 0 to 3 percent slopes	Very limited	Kendaia 85% Wetness Water gathering surface Dusty Unstable excavation walls Lima 6% Wetness Unstable excavation walls Dusty Lyons 5% Wetness Water gathering surface Dusty Unstable excavation walls Churchville 2% Wetness Water gathering surface Dusty Unstable excavation walls Ovid 2% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
304B	Kendaia loam, 3 to 8 percent slopes	Very limited	Kendaia 85% Wetness Water gathering surface Dusty Unstable excavation walls Lima 7% Wetness Unstable excavation walls Dusty Lyons 4% Wetness Water gathering surface Dusty Unstable excavation walls Churchville 2% Wetness Water gathering surface Dusty Unstable excavation walls Ovid 2% Wetness Water gathering surface Dusty Unstable excavation walls
342A	Angola silt loam, 0 to 3 percent slopes	Very limited	Angola 90% Wetness Depth to bedrock Water gathering surface Dusty Unstable excavation walls Ilion 5% Wetness Water gathering surface Dusty Unstable excavation walls Darien 5% Wetness Water gathering surface Dusty Unstable excavation walls
356A	Ovid silt loam, 0 to 3 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Dusty Unstable excavation walls Odessa 10% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 5% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
356B	Ovid silt loam, 3 to 8 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Dusty Unstable excavation walls Odessa 10% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 5% Wetness Water gathering surface Dusty Unstable excavation walls
357B	Ovid silty clay loam, 3 to 8 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Dusty Unstable excavation walls Odessa 10% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 5% Wetness Water gathering surface Dusty Unstable excavation walls
357C	Ovid silty clay loam, 8 to 15 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Slope Dusty Unstable excavation walls Odessa 10% Wetness Water gathering surface Dusty Unstable excavation walls Lakemont 5% Wetness Water gathering surface Dusty Unstable excavation walls

Catastrophic Mortality, Large Animal Disposal, Trench

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
400A	Udorthents, loamy, 0 to 3 percent slopes	Very limited	Udorthents, Loamy 80% Seepage Dusty Unstable excavation walls Palmyra 5% Seepage Too sandy Dusty Unstable excavation walls Lima 5% Wetness Dusty Unstable excavation walls Howard 5% Seepage Too sandy Dusty Unstable excavation walls
401D	Udorthents, refuse substratum. 0 to 25 percent slopes	Not rated	Udorthents, refuse substratum 90%
PG	Pits, gravel and sand	Not rated	Pits, gravel and sand 75%
PQ	Pits, quarry	Not rated	Pits, quarry 80%
W	Water	Not rated	Water 100%

Catastrophic Mortality, Large Animal Disposal, Trench

Rating Options

Attribute Name: Catastrophic Mortality, Large Animal Disposal, Trench

"Catastrophic mortality, large animal disposal, trench," is a method of disposing of dead animals by placing the carcasses in successive layers in an excavated trench. The carcasses are spread, compacted, and covered daily with a thin layer of soil that is excavated from the trench. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the filled trench area.

The interpretation is applicable to both heavily populated and sparsely populated areas. While some general observations may be made, onsite evaluation is required before the final site is selected. Improper site selection, design, or installation may cause contamination of ground water, seepage, and contamination of stream systems from surface drainage or floodwater. The risk of contamination can be reduced or eliminated by installing systems designed to eliminate or reduce the adverse effects of limiting soil properties. Ratings are for soils in their present condition. The present land use is not considered in the ratings.

Ratings are based on properties and qualities to the depth normally observed during soil mapping (approximately 6 or 7 feet). Because trenches may be as deep as 15 feet or more, however, geologic investigations are needed to determine the potential for pollution of ground water and to determine the design needed. These investigations, which are generally arranged by the trench developer, include examination of stratification, rock formations, and geologic conditions that might lead to the conducting of leachates to aquifers, wells, watercourses, and other water sources. The presence of hard, nonrippable bedrock, bedrock crevices, or highly permeable strata at or directly below the proposed trench bottom is undesirable because of the difficulty in excavation and the potential pollution of underground water.

Properties that influence the risk of pollution, ease of excavation, trafficability, and revegetation are major considerations. Soils that are flooded or have a water table within the depth of excavation present a potential pollution hazard and are difficult to excavate. Slope is an important consideration because it affects the work involved in road construction, the performance of the roads, and the control of surface water around the trench. It may also cause difficulty in constructing trenches in which the trench bottom must be kept level and oriented to follow the contour of the land.

The ease with which the trench is dug and with which a soil can be used as daily and final cover is based largely on soil texture and consistence, which determine workability when the soil is dry and when it is wet. Soils that are plastic and sticky when wet are difficult to excavate, grade, or compact and difficult to place as a uniformly thick cover over a layer of carcasses. The uppermost part of the final cover should be soil material that favors the growth of plants. It should not contain excess sodium or salts and should not be too acid. In comparison with other horizons, the surface layer in most soils has the best workability and the highest content of organic matter. Thus, it may be desirable to stockpile the surface layer for use in the final blanketing of the fill.

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

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

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

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

Aggregation Method: Dominant Condition

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

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

Catastrophic Mortality, Large Animal Disposal, Trench

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.