Composting Facility - Subsurface

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% Wetness Flooding Seepage, bottom layer Unstable excavation walls Water gathering surface Udifluvents, frequently flooded 40% Wetness Flooding Unstable excavation walls Seepage, bottom layer Water gathering surface Wayland 10% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation Naples Creek 5% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation
2A	Geneseo silty clay loam, 0 to 3 percent slopes	Very limited	Geneseo 90% Wetness Flooding Piping Extreme soil temperatures Low precipitation Naples Creek 10% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation
3A	Hemlock silty clay loam, 0 to 3 percent slopes	Very limited	Hemlock 90% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation Naples Creek 10% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
4A	Naples Creek silty clay loam, 0 to 3 percent slopes	Very limited	Naples Creek 90% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation Hemlock 5% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation Wayland 5% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation
5A	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Very limited	Wayland 60% Wetness Flooding Extreme soil temperatures Low precipitation Unstable excavation walls Wayland, very poorly drained 30% Wetness Flooding Ponding Water gathering surface Extreme soil temperatures Wakeville 10% Wetness Flooding Piping Water gathering surface Extreme soil temperatures
12D	Rockrift channery silt loam, 15 to 25 percent slopes	Very limited	Rockrift 85% Slope Extreme soil temperatures Not too cobbly Unstable excavation walls Low precipitation Mongaup, very stony 10% Slope Depth to bedrock Piping Extreme soil temperatures Unstable excavation walls Willdin 5% Slope Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls
13F	Rock outcrop-Arnot complex, 25 to 70 percent slopes	Not rated	Rock outcrop 55%

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
14D	Cadosia channery silt loam, 15 to 25 percent slopes	Very limited	Cadosia 85% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lordstown, very stony 10% Slope Depth to bedrock Extreme soil temperatures Low precipitation Not too cobbly Mardin 5% Slope Wetness Piping Water gathering surface Extreme soil temperatures
15A	Guyanoga channery silt loam, fan, 0 to 3 percent slopes	Very limited	Guyanoga, fan 90% Seepage, bottom layer Wetness Not too cobbly Water gathering surface Extreme soil temperatures Chenango, fan 5% Seepage, bottom layer Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Hemlock 5% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation
15B	Guyanoga channery silt loam, fan, 3 to 8 percent slopes	Very limited	Guyanoga, fan 90% Seepage, bottom layer Wetness Not too cobbly Water gathering surface Extreme soil temperatures Chenango, fan 5% Seepage, bottom layer Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Hemlock 5% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
16A	Almond channery silt loam, 0 to 3 percent slopes	Very limited	Almond 80% Wetness Piping Water gathering surface Extreme soil temperatures Unstable excavation walls Ontusia 10% Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Low precipitation Norchip 5% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls Gretor 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls
16B	Almond channery silt loam, 3 to 8 percent slopes	Very limited	Almond 80% Wetness Piping Water gathering surface Extreme soil temperatures Unstable excavation walls Ontusia 10% Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Low precipitation Norchip 5% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls Gretor 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls

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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 Piping Water gathering surface Slope Extreme soil temperatures Ontusia 10% Wetness Water gathering surface Slope Extreme soil temperatures Unstable excavation walls Gretor 5% Wetness Depth to bedrock Water gathering surface Slope Extreme soil temperatures Norchip 5% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls
18A	Homer fine sandy loam, 0 to 3 percent slopes	Very limited	Homer 90% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Fine-loamy, mixed, active, mesic Typic Argiaquolls 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Phelps 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
19A	Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Fine-loamy, mixed, active, mesic Typic Argiaquolls 80% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Homer 8% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Atherton 7% Wetness Seepage, bottom layer Water gathering surface Piping Extreme soil temperatures Palms, undrained 5% Wetness Ponding Organic matter content Extreme soil temperatures Low precipitation
20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Atherton 40% Wetness Seepage, bottom layer Water gathering surface Piping Extreme soil temperatures Fine-loamy, mixed, active, mesic Typic Argiaquolls 40% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Homer 8% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Canandaigua 7% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Castile 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
24A	Howard gravelly loam, 0 to 3 percent slopes	Very limited	Howard 80% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 10% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Phelps 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation
24B	Howard gravelly loam, 3 to 8 percent slopes	Very limited	Howard 80% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 10% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Phelps 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
24C	Howard gravelly loam, 8 to 15 percent slopes	Very limited	Howard 80% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 10% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Phelps 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Arkport 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
24D	Howard soils, 15 to 25 percent slopes	Very limited	Howard 65% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 20% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 13% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Phelps 2% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
25A	Chenango gravelly loam, 0 to 3 percent slopes	Very limited	Chenango 90% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Castile 8% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Valois 2% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
25B	Chenango gravelly loam, 3 to 8 percent slopes	Very limited	Chenango 90% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Castile 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Valois 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
25C	Chenango gravelly loam, 8 to 15 percent slopes	Very limited	Chenango 90% Seepage, bottom layer Extreme soil temperatures Low precipitation Slope Unstable excavation walls Castile 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Valois 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Slope Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
25D	Chenango gravelly loam, 15 to 25 percent slopes	Very limited	Chenango 90% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Castile 8% Seepage, bottom layer Wetness Slope Water gathering surface Extreme soil temperatures Valois 2% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
25E	Chenango gravelly loam, 25 to 35 percent slopes	Very limited	Chenango 90% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Valois 10% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
26B	Chenango channery loam, fan, 3 to 8 percent slopes	Very limited	Chenango, fan 85% Seepage, bottom layer Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Guyanoga, fan 5% Seepage, bottom layer Wetness Not too cobbly Water gathering surface Extreme soil temperatures Hemlock 5% Wetness Flooding Water gathering surface Extreme soil temperatures Low precipitation Castile 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
27B	Castile gravelly silt loam, 3 to 8 percent slopes	Very limited	Castile 85% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Homer 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Chenango 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Phelps 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation
31A	Collamer silt loam, 0 to 3 percent slopes	Very limited	Collamer 85% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Niagara 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Schoharie 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
31B	Collamer silt loam, 3 to 8 percent slopes	Very limited	Collamer 85% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Niagara 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Schoharie 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
31C	Collamer silt loam, 8 to 15 percent slopes	Very limited	Collamer 85% Wetness Piping Slope Water gathering surface Extreme soil temperatures Niagara 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Schoharie 5% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation
31D	Collamer silt loam, 15 to 25 percent slopes	Very limited	Collamer 90% Slope Wetness Piping Water gathering surface Extreme soil temperatures Niagara 5% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Schoharie 5% Slope Wetness Water gathering surface Extreme soil temperatures Low precipitation
32A	Dunkirk fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Piping Extreme soil temperatures Low precipitation Unstable excavation walls
32B	Dunkirk fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Piping Extreme soil temperatures Low precipitation Unstable excavation walls
33A	Dunkirk silt loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Extreme soil temperatures Low precipitation Unstable excavation walls
33B	Dunkirk silt loam, 3 to 8 percent slopes	Somewhat limited	Dunkirk 90% Extreme soil temperatures Low precipitation Unstable excavation walls
33C	Dunkirk silt loam, 8 to 15 percent slopes	Somewhat limited	Dunkirk 90% Slope Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
33D	Dunkirk silt loam, 15 to 25 percent slopes	Very limited	Dunkirk 90% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Schoharie 5% Slope Wetness Water gathering surface Extreme soil temperatures Low precipitation
33E	Dunkirk silt loam, 25 to 35 percent slopes	Very limited	Dunkirk 90% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Schoharie 5% Slope Wetness Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
34A	Lakemont silty clay loam, 0 to 3 percent slopes	Very limited	Lakemont 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Odessa 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Fonda 4% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Canandaigua 4% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Barre 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
35A	Odessa silt loam, 0 to 3 percent slopes	Very limited	Odessa 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Schoharie 5% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Churchville 3% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Rhinebeck 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
35B	Odessa silty clay loam, 3 to 8 percent slopes	Very limited	Odessa 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Schoharie 6% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 4% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Churchville 3% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Rhinebeck 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
36A	Schoharie silty clay loam, 0 to 3 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
36B	Schoharie silty clay loam, 3 to 8 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
36C	Schoharie silty clay loam, 8 to 15 percent slopes	Very limited	Schoharie 90% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Arkport 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
36D	Schoharie silty clay loam, 15 to 25 percent slopes	Very limited	Schoharie 90% Slope Wetness Water gathering surface Extreme soil temperatures Low precipitation Arkport 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Dunkirk 5% Slope Extreme soil temperatures Low precipitation Unstable excavation walls
36E	Schoharie silty clay loam, 25 to 45 percent slopes	Very limited	Schoharie 90% Slope Wetness Water gathering surface Extreme soil temperatures Low precipitation Arkport 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Dunkirk 5% Slope Extreme soil temperatures Low precipitation Unstable excavation walls
37A	Schoharie silt loam, 0 to 3 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Odessa 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
37B	Schoharie silt loam, 3 to 8 percent slopes	Very limited	Schoharie 90% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Odessa 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
38A	Niagara silt loam, 0 to 3 percent slopes	Very limited	Niagara 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Canandaigua 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Collamer 5% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Rhinebeck 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
38B	Niagara silt loam, 3 to 8 percent slopes	Very limited	Niagara 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Canandaigua 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Rhinebeck 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Collamer 5% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
39A	Rhinebeck silty clay loam, 0 to 3 percent slopes	Very limited	Rhinebeck 90% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Niagara 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
41A	Aeric Epiaquepts, 0 to 3 percent slopes	Very limited	Aeric Epiaquepts 50% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Aeric Epiaquepts 45% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Elnora 5% Seepage, bottom layer Wetness Unstable excavation walls Piping Water gathering surface
43A	Canandaigua silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Canandaigua 4% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Niagara 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Canandaigua 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Palms, undrained 2% Wetness Ponding Organic matter content Extreme soil temperatures Low precipitation
45A	Fonda mucky silt loam, 0 to 3 percent slopes	Very limited	Fonda 95% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Canandaigua 3% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Palms, undrained 2% Wetness Ponding Organic matter content Extreme soil temperatures Low precipitation
46A	Galen fine sandy loam, 0 to 3 percent slopes	Very limited	Galen 90% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures Aeric Epiaquepts 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
46B	Galen fine sandy loam, 3 to 8 percent slopes	Very limited	Galen 90% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures Aeric Epiaquepts 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
48A	Arkport fine sandy loam, 0 to 3 percent slopes	Very limited	Arkport 95% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Galen 2% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures
48B	Arkport fine sandy loam, 3 to 8 percent slopes	Very limited	Arkport 95% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Galen 2% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures
48C	Arkport fine sandy loam, 8 to 15 percent slopes	Very limited	Arkport 95% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Galen 2% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
48D	Arkport fine sandy loam, 15 to 25 percent slopes	Very limited	Arkport 90% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Dunkirk 8% Slope Piping Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 2% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
49B	Arkport loamy fine sand, 3 to 8 percent slopes	Very limited	Arkport 95% Seepage, bottom layer Piping Extreme soil temperatures Low precipitation Unstable excavation walls Galen 2% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures
49D	Arkport loamy fine sand, 15 to 25 percent slopes	Very limited	Arkport 95% Seepage, bottom layer Slope Piping Extreme soil temperatures Low precipitation Dunkirk 3% Slope Piping Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 2% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
49E	Arkport loamy fine sand, 25 to 35 percent slopes	Very limited	Arkport 90% Seepage, bottom layer Slope Piping Extreme soil temperatures Low precipitation Dunkirk 8% Slope Piping Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 2% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
49F	Arkport loamy fine sand, 35 to 55 percent slopes	Very limited	Arkport 90% Seepage, bottom layer Slope Piping Extreme soil temperatures Low precipitation Dunkirk 8% Slope Piping Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 2% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
50B	Dunkirk-Arkport complex, 3 to 8 percent slopes	Very limited	Arkport 45% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Collamer 5% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation
50C	Dunkirk-Arkport complex, 8 to 15 percent slopes	Somewhat limited	Dunkirk 60% Slope Extreme soil temperatures Low precipitation Unstable excavation walls

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
50D	Dunkirk-Arkport complex, 15 to 25 percent slopes	Very limited	Dunkirk 60% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 35% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Collamer 5% Slope Wetness Piping Water gathering surface Extreme soil temperatures
53A	Lamson fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Wetness Seepage, bottom layer Piping Water gathering surface Extreme soil temperatures Lamson 5% Wetness Ponding Unstable excavation walls Seepage, bottom layer Piping Canandaigua 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Galen 2% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures
54A	Lamson mucky fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Wetness Ponding Unstable excavation walls Seepage, bottom layer Piping Canandaigua 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lamson 5% Wetness Seepage, bottom layer Piping Water gathering surface Extreme soil temperatures

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
56A	Elnora loamy fine sand, 0 to 3 percent slopes	Very limited	Elnora 90% Seepage, bottom layer Wetness Unstable excavation walls Piping Water gathering surface Aeric Epiaquepts 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
58B	Colonie loamy fine sand, 3 to 8 percent slopes	Very limited	Colonie 95% Seepage, bottom layer Piping Unstable excavation walls Extreme soil temperatures Low precipitation Elnora 5% Seepage, bottom layer Wetness Unstable excavation walls Piping Water gathering surface
58C	Colonie loamy fine sand, 8 to 15 percent slopes	Very limited	Colonie 95% Seepage, bottom layer Piping Unstable excavation walls Slope Extreme soil temperatures Elnora 5% Seepage, bottom layer Wetness Unstable excavation walls Piping Water gathering surface
62B	Mardin channery silt loam, 3 to 8 percent slopes	Very limited	Mardin 85% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Bath 5% Wetness Slope Piping Water gathering surface Extreme soil temperatures Lordstown 5% Depth to bedrock Extreme soil temperatures Low precipitation Unstable excavation walls Volusia 5% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation

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Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
62C	Mardin channery silt loam, 8 to 15 percent slopes	Very limited	Mardin 88% Wetness Slope Piping Extreme soil temperatures Low precipitation Bath 5% Slope Wetness Piping Extreme soil temperatures Low precipitation Volusia 5% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Lordstown 2% Slope Depth to bedrock Extreme soil temperatures Low precipitation Unstable excavation walls
62D	Mardin channery silt loam, 15 to 25 percent slopes	Very limited	Mardin 85% Slope Wetness Piping Water gathering surface Extreme soil temperatures Bath 5% Slope Wetness Piping Extreme soil temperatures Low precipitation Lordstown 5% Slope Depth to bedrock Extreme soil temperatures Low precipitation Unstable excavation walls Volusia 5% Wetness Slope Piping Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

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
62E	Mardin channery silt loam, 25 to 35 percent slopes	Very limited	Mardin 80% Slope Wetness Piping Water gathering surface Extreme soil temperatures Bath 8% Slope Wetness Piping Extreme soil temperatures Low precipitation Lordstown, very stony 7% Slope Depth to bedrock Extreme soil temperatures Not too cobbly Low precipitation Volusia 5% Slope Wetness Piping Water gathering surface Extreme soil temperatures
63B	Langford channery silt loam, 3 to 8 percent slopes	Very limited	Langford 90% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Erie 10% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation
63C	Langford channery silt loam, 8 to 15 pecent slopes	Very limited	Langford 90% Wetness Slope Piping Extreme soil temperatures Low precipitation Erie 10% Wetness Slope Piping Water gathering surface Extreme soil temperatures
63D	Langford channery silt loam, 15 to 25 percent slopes	Very limited	Langford 90% Slope Wetness Piping Extreme soil temperatures Low precipitation Erie 10% Slope Wetness Piping Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

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
64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Very limited	Langford 55% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Erie 45% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation
66A	Lyons soils, 0 to 3 percent slopes	Very limited	Lyons 75% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lyons, frequently ponded 15% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Appleton 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Canandaigua 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Ilion 1% Wetness Water gathering surface Piping Extreme soil temperatures Low precipitation Palms 1% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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
68A	Volusia channery silt loam, 0 to 3 percent slopes	Very limited	Volusia 90% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Mardin 5% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Chippewa 5% Wetness Water gathering surface Piping Extreme soil temperatures Low precipitation
68B	Volusia channery silt loam, 3 to 8 percent slopes	Very limited	Volusia 90% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Chippewa 5% Wetness Water gathering surface Piping Extreme soil temperatures Low precipitation Mardin 5% Wetness Slope Piping Extreme soil temperatures Low precipitation
68C	Volusia channery silt loam, 8 to 15 percent slopes	Very limited	Volusia 90% Wetness Slope Piping Water gathering surface Extreme soil temperatures Mardin 6% Slope Wetness Piping Water gathering surface Extreme soil temperatures Chippewa 4% Wetness Water gathering surface Piping Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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
68D	Volusia channery silt loam, 15 to 25 percent slopes	Very limited	Volusia 90% Slope Wetness Piping Water gathering surface Extreme soil temperatures Mardin 7% Slope Wetness Piping Water gathering surface Extreme soil temperatures Chippewa 3% Wetness Water gathering surface Piping Extreme soil temperatures Low precipitation
69A	Erie channery silt loam, 0 to 3 percent slopes	Very limited	Erie 95% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Chippewa 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
69B	Erie channery silt loam, 3 to 8 percent slopes	Very limited	Erie 95% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Chippewa 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
69C	Erie channery silt loam, 8 to 15 percent slopes	Very limited	Erie 95% Wetness Piping Slope Water gathering surface Extreme soil temperatures Chippewa 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

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
71A	Darien silt loam, 0 to 3 percent slopes	Very limited	Darien 95% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Ilion 4% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Angola 1% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
71B	Darien silt loam, 3 to 8 percent slopes	Very limited	Darien 95% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Ilion 4% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Angola 1% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
71C	Darien silt loam, 8 to 15 percent slopes	Very limited	Darien 95% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Ilion 4% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Angola 1% Wetness Depth to bedrock Water gathering surface Slope Extreme soil temperatures

Composting Facility - Subsurface

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
72A	Darien-Ilion silt loams, 0 to 3 percent slopes	Very limited	Darien 68% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Ilion 27% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Angola 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
72B	Darien-Ilion silt loams, 3 to 8 percent slopes	Very limited	Darien 68% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Ilion 27% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Angola 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
73B	Gretor silt loam, 3 to 8 percent slopes	Very limited	Gretor 95% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls Gretor, poorly drained 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls
73C	Gretor silt loam, 8 to 15 percent slopes	Very limited	Gretor 95% Wetness Depth to bedrock Slope Water gathering surface Extreme soil temperatures Gretor, poorly drained 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
73D	Gretor channery silt loam, 15 to 25 percent slopes	Very limited	Gretor 90% Slope Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Mongaup, very stony 8% Slope Depth to bedrock Piping Extreme soil temperatures Unstable excavation walls Gretor, poorly drained 2% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls
76B	Orpark silt loam, 3 to 8 percent slopes	Very limited	Orpark 95% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation Orpark, poorly drained 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
76C	Orpark silt loam, 8 to 15 percent slopes	Very limited	Orpark 95% Wetness Depth to bedrock Slope Water gathering surface Extreme soil temperatures Orpark, poorly drained 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
76D	Orpark channery silt loam, 15 to 25 percent slopes	Very limited	Orpark 90% Slope Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Lordstown, very stony 5% Slope Depth to bedrock Extreme soil temperatures Low precipitation Not too cobbly Orpark, poorly drained 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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
77A	Chippewa silt loam, 0 to 3 percent slopes	Very limited	Chippewa 85% Wetness Water gathering surface Piping Extreme soil temperatures Low precipitation Chippewa, very poorly drained 10% Wetness Ponding Water gathering surface Piping Extreme soil temperatures Volusia 5% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation
77B	Chippewa silt loam, 3 to 8 percent slopes	Very limited	Chippewa 85% Wetness Water gathering surface Piping Extreme soil temperatures Low precipitation Volusia 10% Wetness Slope Piping Water gathering surface Extreme soil temperatures Chippewa, very poorly drained 5% Wetness Ponding Water gathering surface Piping Extreme soil temperatures
82B	Manlius channery silt loam, 3 to 8 percent slopes	Very limited	Manlius 95% Depth to bedrock Seepage, bottom layer Extreme soil temperatures Unstable excavation walls Not too cobbly Gretor 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls
82C	Manlius channery silt loam, 8 to 15 percent slopes	Very limited	Manlius 95% Depth to bedrock Seepage, bottom layer Slope Extreme soil temperatures Unstable excavation walls Gretor 5% Wetness Depth to bedrock Slope Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

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
82D	Manlius channery silt loam, 15 to 25 percent slopes	Very limited	Manlius 95% Slope Depth to bedrock Seepage, bottom layer Extreme soil temperatures Unstable excavation walls Arnot 4% Slope Depth to bedrock Unstable excavation walls Seepage, bottom layer Not too cobbly Gretor 1% Slope Wetness Depth to bedrock Water gathering surface Extreme soil temperatures
91A	Palms muck, 0 to 3 percent slopes	Very limited	Palms, undrained 55% Wetness Ponding Organic matter content Extreme soil temperatures Low precipitation Palms, drained 40% Wetness Organic matter content Extreme soil temperatures Low precipitation Unstable excavation walls Canandaigua 5% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation
92A	Carlisle muck, 0 to 3 percent slopes	Very limited	Carlisle, undrained 45% Wetness Ponding Organic matter content Seepage, bottom layer Water gathering surface Carlisle, drained 40% Wetness Organic matter content Seepage, bottom layer Water gathering surface Extreme soil temperatures Palms, undrained 10% Wetness Ponding Organic matter content Extreme soil temperatures Low precipitation Canandaigua 5% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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
93A	Edwards muck, 0 to 3 percent slopes	Very limited	Edwards, undrained 50% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Edwards, drained 35% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Martisco, undrained 10% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Canandaigua 5% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation
94A	Martisco muck, 0 to 3 percent slopes	Very limited	Martisco, undrained 55% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Martisco, drained 35% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Canandaigua 5% Wetness Ponding Water gathering surface Extreme soil temperatures Low precipitation Palms, drained 5% Wetness Organic matter content Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

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
95A	Saprists, 0 to 3 percent slopes, inundated	Very limited	Saprists, inundated 85% Wetness Ponding Organic matter content Seepage, bottom layer Water gathering surface Carlisle, undrained 5% Wetness Ponding Organic matter content Seepage, bottom layer Water gathering surface Fluvaquents, frequently flooded 5% Wetness Flooding Seepage, bottom layer Unstable excavation walls Water gathering surface Palms, undrained 5% Wetness Ponding Organic matter content Extreme soil temperatures Low precipitation
101A	Honeoye loam, 0 to 3 percent slopes	Somewhat limited	Honeoye 85% Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Extreme soil temperatures Low precipitation Unstable excavation walls
101B	Honeoye loam, 3 to 8 percent slopes	Somewhat limited	Honeoye 85% Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Extreme soil temperatures Low precipitation Unstable excavation walls
101C	Honeoye loam, 8 to 15 percent slopes	Somewhat limited	Honeoye 85% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Slope Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
101D	Honeoye loam, 15 to 25 percent slopes	Very limited	Honeoye 85% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lima 5% Wetness Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 4% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Wassaic 2% Slope Depth to bedrock Piping Extreme soil temperatures Low precipitation
101E	Honeoye loam, 25 to 35 percent slopes	Very limited	Honeoye 85% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lima 5% Wetness Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 4% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Wassaic 2% Slope Depth to bedrock Piping Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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
104A	Honeoye loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Extreme soil temperatures Low precipitation Unstable excavation walls
104B	Honeoye loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Extreme soil temperatures Low precipitation Unstable excavation walls
104C	Honeoye loam, 8 to 15 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 4% Slope Extreme soil temperatures Low precipitation Unstable excavation walls
106B	Danley-Lansing complex, 3 to 8 percent slopes	Very limited	Danley 50% Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Conesus 2% Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 1% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Palatine 1% Depth to bedrock Extreme soil temperatures Low precipitation Unstable excavation walls Appleton 1% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Composting Facility - Subsurface

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
108E	Lansing loam, 25 to 35 percent slopes	Very limited	Lansing 85% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Cazenovia 10% Slope Wetness Piping Water gathering surface Extreme soil temperatures Aurora 5% Slope Wetness Depth to bedrock Piping Water gathering surface
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Ontario 90% Extreme soil temperatures Low precipitation Unstable excavation walls
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Extreme soil temperatures Low precipitation Unstable excavation walls
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
112E	Ontario fine sandy loam, 25 to 35 percent slopes	Very limited	Ontario 93% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Manlius 2% Slope Depth to bedrock Seepage, bottom layer Extreme soil temperatures Unstable excavation walls
114B	Ontario gravelly loam, 3 to 8 percent slopes	Somewhat limited	Ontario 98% Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

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
114C	Ontario gravelly loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Extreme soil temperatures Low precipitation Unstable excavation walls
114D	Ontario gravelly loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 5% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
116B	Ontario loam, 3 to 8 percent slopes	Somewhat limited	Ontario 90% Extreme soil temperatures Low precipitation Unstable excavation walls
116C	Ontario loam, 8 to 15 percent slopes	Somewhat limited	Ontario 95% Slope Extreme soil temperatures Low precipitation Unstable excavation walls
116D	Ontario loam, 15 to 25 percent slopes	Very limited	Ontario 95% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lima 5% Wetness Piping Slope Extreme soil temperatures Low precipitation
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Very limited	Ontario 40% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Honeoye 35% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Lansing 20% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Aurora 5% Slope Wetness Depth to bedrock Piping Water gathering surface

Composting Facility - Subsurface

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
120E	Palmyra and Howard soils, 25 to 45 percent slopes	Very limited	Palmyra 55% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Howard 40% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Colonie 5% Seepage, bottom layer Slope Piping Unstable excavation walls Extreme soil temperatures
122A	Palmyra cobbly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
122B	Palmyra cobbly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
124A	Palmyra fine sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Howard 10% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
124B	Palmyra fine sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Howard 10% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
126A	Palmyra gravelly loam, 0 to 3 percent slopes	Very limited	Palmyra 95% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
126B	Palmyra gravelly loam, 3 to 8 percent slopes	Very limited	Palmyra 95% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
126C	Palmyra gravelly loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 10% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
126D	Palmyra gravelly loam, 15 to 25 percent slopes	Very limited	Palmyra 90% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Arkport 10% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
128A	Palmyra gravelly sandy loam, 0 to 3 percent slopes	Very limited	Palmyra 90% Seepage, bottom layer Unstable excavation walls Extreme soil temperatures Low precipitation Arkport 10% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
128B	Palmyra gravelly sandy loam, 3 to 8 percent slopes	Very limited	Palmyra 90% Seepage, bottom layer Unstable excavation walls Extreme soil temperatures Low precipitation Arkport 10% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
128C	Palmyra gravelly sandy loam, 8 to 15 percent slopes	Very limited	Palmyra 90% Seepage, bottom layer Slope Unstable excavation walls Extreme soil temperatures Low precipitation Arkport 10% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
130A	Farmington loam, 0 to 3 percent slopes	Very limited	Farmington 90% Depth to bedrock Piping Extreme soil temperatures Low precipitation Unstable excavation walls Galoo 5% Depth to bedrock Extreme soil temperatures Low precipitation Unstable excavation walls Nuhi 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
130B	Farmington loam, 3 to 8 percent slopes	Very limited	Farmington 90% Depth to bedrock Piping Extreme soil temperatures Low precipitation Unstable excavation walls Galoo 5% Depth to bedrock Extreme soil temperatures Low precipitation Unstable excavation walls Nuhi 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
132A	Galoo loam, 0 to 3 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Rock outcrop Extreme soil temperatures Low precipitation Unstable excavation walls Nuhi 4% Wetness Depth to bedrock Rock outcrop Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
132B	Galoo loam, 3 to 8 percent slopes, rocky	Very limited	Galoo 95% Depth to bedrock Rock outcrop Extreme soil temperatures Low precipitation Unstable excavation walls Nuhi 4% Wetness Depth to bedrock Rock outcrop Water gathering surface Extreme soil temperatures
134A	Camillus silt loam, 0 to 3 percent slopes	Very limited	Camillus 95% Depth to bedrock Seepage, bottom layer Piping Water gathering surface Extreme soil temperatures Angola 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
134B	Camillus silt loam, 3 to 8 percent slopes	Very limited	Camillus 95% Depth to bedrock Seepage, bottom layer Piping Water gathering surface Extreme soil temperatures Angola 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation
151C	Willdin-Norchip complex, 3 to 15 percent slopes	Very limited	Willdin 60% Wetness Piping Extreme soil temperatures Unstable excavation walls Low precipitation Norchip 38% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls Palms, undrained 2% Wetness Ponding Organic matter content Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152B	Valois gravelly loam, 3 to 8 percent slopes	Very limited	Valois 85% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Volusia 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Mardin 5% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation
152C	Valois gravelly loam, 8 to 15 percent slopes	Very limited	Valois 85% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Volusia 5% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Mardin 5% Wetness Slope Piping Water gathering surface Extreme soil temperatures
152D	Valois gravelly loam, 15 to 25 percent slopes	Very limited	Valois 85% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Cadosia 6% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Mardin 6% Slope Wetness Piping Water gathering surface Extreme soil temperatures Volusia 3% Slope Wetness Water gathering surface Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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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% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls Cadosia 6% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Mardin 6% Slope Wetness Piping Water gathering surface Extreme soil temperatures Towerville, extremely stony 3% Slope Wetness Depth to bedrock Unstable excavation walls Not too cobbly
153B	Valois gravelly loam, cool, 3 to 8 percent slopes	Very limited	Valois, cool 85% Seepage, bottom layer Extreme soil temperatures Unstable excavation walls Low precipitation Ontusia 5% Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Low precipitation Willdin 5% Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Low precipitation
153C	Valois gravelly loam, cool, 8 to 15 percent slopes	Very limited	Valois, cool 85% Seepage, bottom layer Slope Extreme soil temperatures Unstable excavation walls Low precipitation Ontusia 5% Wetness Slope Water gathering surface Extreme soil temperatures Unstable excavation walls Willdin 5% Wetness Slope Water gathering surface Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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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% Seepage, bottom layer Slope Extreme soil temperatures Unstable excavation walls Low precipitation Willdin 6% Slope Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Rockrift 6% Slope Extreme soil temperatures Not too cobbly Unstable excavation walls Low precipitation Ontusia 3% Slope Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls
153E	Valois gravelly loam, cool, 25 to 35 percent slopes	Very limited	Valois, cool 85% Seepage, bottom layer Slope Extreme soil temperatures Unstable excavation walls Low precipitation Willdin 6% Slope Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Rockrift 6% Slope Extreme soil temperatures Not too cobbly Unstable excavation walls Low precipitation Ischua 3% Slope Wetness Depth to bedrock Piping Water gathering surface

Composting Facility - Subsurface

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
162B	Willdin channery silt loam, 3 to 8 percent slopes	Very limited	Willdin 85% Wetness Piping Extreme soil temperatures Unstable excavation walls Low precipitation Ontusia 5% Wetness Piping Water gathering surface Extreme soil temperatures Unstable excavation walls Middlebrook 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls Lewbath 5% Wetness Slope Piping Extreme soil temperatures Unstable excavation walls
162C	Willdin channery silt loam, 8 to 15 percent slopes	Very limited	Willdin 85% Wetness Slope Piping Extreme soil temperatures Unstable excavation walls Ontusia 6% Wetness Piping Water gathering surface Extreme soil temperatures Unstable excavation walls Lewbath 6% Slope Wetness Piping Extreme soil temperatures Unstable excavation walls Middlebrook 3% Wetness Depth to bedrock Slope Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

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
162D	Willdin channery silt loam, 15 to 25 percent slopes	Very limited	Willdin 80% Slope Wetness Piping Water gathering surface Extreme soil temperatures Lewbath 10% Slope Wetness Piping Extreme soil temperatures Unstable excavation walls Mongaup 5% Seepage, bottom layer Slope Depth to bedrock Piping Extreme soil temperatures Ontusia 5% Wetness Slope Piping Water gathering surface Extreme soil temperatures
168A	Ontusia channery silt loam, 0 to 3 percent slopes	Very limited	Ontusia 88% Wetness Piping Water gathering surface Extreme soil temperatures Unstable excavation walls Norchip 5% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls Willdin 5% Wetness Piping Extreme soil temperatures Unstable excavation walls Low precipitation Gretor 2% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

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
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Very limited	Ontusia 90% Wetness Piping Water gathering surface Extreme soil temperatures Unstable excavation walls Norchip 5% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls Willdin 5% Wetness Slope Piping Extreme soil temperatures Unstable excavation walls
168C	Ontusia channery silt loam, 8 to 15 percent slopes	Very limited	Ontusia 90% Wetness Slope Piping Water gathering surface Extreme soil temperatures Norchip 5% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls Willdin 5% Slope Wetness Piping Water gathering surface Extreme soil temperatures
168D	Ontusia channery silt loam, 15 to 25 percent slopes	Very limited	Ontusia 90% Slope Wetness Piping Water gathering surface Extreme soil temperatures Willdin 7% Slope Wetness Piping Water gathering surface Extreme soil temperatures Norchip 3% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

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
171C	Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes	Very limited	Lordstown 40% Depth to bedrock Slope Extreme soil temperatures Low precipitation Not too cobbly Manlius 20% Depth to bedrock Seepage, bottom layer Slope Unstable excavation walls Not too cobbly Towerville 20% Wetness Depth to bedrock Unstable excavation walls Slope Not too cobbly Mardin 5% Wetness Slope Piping Water gathering surface Extreme soil temperatures Arnot 5% Depth to bedrock Unstable excavation walls Seepage, bottom layer Slope Not too cobbly

Composting Facility - Subsurface

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
171D	Lordstown-Manlius-Towerville complex, 15 to 25 percent slopes, very stony	Very limited	Lordstown, very stony 40% Slope Depth to bedrock Extreme soil temperatures Low precipitation Not too cobbly Manlius, very stony 20% Slope Depth to bedrock Seepage, bottom layer Unstable excavation walls Not too cobbly Towerville, very stony 20% Slope Wetness Depth to bedrock Unstable excavation walls Not too cobbly Cadosia 10% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Arnot 5% Slope Depth to bedrock Unstable excavation walls Seepage, bottom layer Not too cobbly Mardin 5% Slope Wetness Piping Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

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
171E	Lordstown-Manlius-Towerville complex, 25 to 35 percent slopes, extremely stony	Very limited	Lordstown, extremely stony 40% Slope Depth to bedrock Extreme soil temperatures Too Stony Low precipitation Towerville, extremely stony 20% Slope Wetness Depth to bedrock Unstable excavation walls Not too cobbly Manlius, extremely stony 20% Slope Depth to bedrock Seepage, bottom layer Unstable excavation walls Not too cobbly Cadosia 10% Slope Extreme soil temperatures Low precipitation Unstable excavation walls Mardin 5% Slope Wetness Piping Water gathering surface Extreme soil temperatures Arnot 5% Slope Depth to bedrock Unstable excavation walls Seepage, bottom layer Not too cobbly

Composting Facility - Subsurface

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 Extreme soil temperatures Too Stony Not too cobbly Manlius, extremely stony 20% Slope Depth to bedrock Seepage, bottom layer Unstable excavation walls Not too cobbly Towerville, extremely stony 20% Slope Wetness Depth to bedrock Unstable excavation walls Not too cobbly Arnot, extremely stony 10% Slope Depth to bedrock Extreme soil temperatures Too Stony Low precipitation Cadosia, extremely stony 10% Slope Water gathering surface Not too cobbly Extreme soil temperatures Too Stony
177A	Norchip silt loam, 0 to 3 percent slopes	Very limited	Norchip 85% Wetness Water gathering surface Piping Extreme soil temperatures Unstable excavation walls Norchip, very poorly drained 10% Wetness Ponding Water gathering surface Piping Extreme soil temperatures Ontusia 5% Wetness Piping Water gathering surface Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

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 Piping Extreme soil temperatures Unstable excavation walls Norchip, very poorly drained 10% Wetness Ponding Water gathering surface Piping Extreme soil temperatures Ontusia 5% Wetness Slope Piping Water gathering surface Extreme soil temperatures
181B	Mongaup-Ischua complex, 3 to 8 percent slopes	Very limited	Mongaup 45% Depth to bedrock Piping Extreme soil temperatures Unstable excavation walls Low precipitation Ischua 40% Wetness Depth to bedrock Piping Water gathering surface Extreme soil temperatures Willdin 3% Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Low precipitation Gretor 2% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

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
181C	Mongaup-Ischua complex, 8 to 15 percent slopes	Very limited	Mongaup 45% Depth to bedrock Slope Piping Extreme soil temperatures Unstable excavation walls Ischua 40% Wetness Depth to bedrock Slope Piping Water gathering surface Willdin 3% Wetness Slope Water gathering surface Extreme soil temperatures Unstable excavation walls Gretor 2% Wetness Depth to bedrock Slope Water gathering surface Extreme soil temperatures
181D	Mongaup-Ischua complex, 15 to 25 percent slopes, very stony	Very limited	Mongaup, very stony 45% Slope Depth to bedrock Piping Extreme soil temperatures Unstable excavation walls Ischua, very stony 40% Slope Wetness Depth to bedrock Piping Water gathering surface Rockrift 10% Slope Extreme soil temperatures Not too cobbly Unstable excavation walls Low precipitation Willdin 3% Slope Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Gretor 2% Slope Wetness Depth to bedrock Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

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
181E	Mongaup-Ischua complex, 25 to 35 percent slopes, extremely stony	Very limited	Mongaup, extremely stony 45% Slope Depth to bedrock Piping Too Stony Extreme soil temperatures Ischua, extremely stony 40% Slope Wetness Depth to bedrock Piping Too Stony Rockrift 10% Slope Extreme soil temperatures Not too cobbly Unstable excavation walls Low precipitation Willdin 3% Slope Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Gretor 2% Slope Wetness Depth to bedrock Water gathering surface Extreme soil temperatures
182B	Mongaup channery loam, 3 to 8 percent slopes	Very limited	Mongaup 75% Depth to bedrock Extreme soil temperatures Unstable excavation walls Low precipitation Willdin 8% Wetness Water gathering surface Extreme soil temperatures Unstable excavation walls Low precipitation Ischua 5% Wetness Depth to bedrock Piping Water gathering surface Extreme soil temperatures Gretor 2% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Unstable excavation walls

Composting Facility - Subsurface

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
182C	Mongaup channery loam, 8 to 15 percent slopes	Very limited	Mongaup 75% Depth to bedrock Slope Extreme soil temperatures Unstable excavation walls Low precipitation Willdin 8% Wetness Slope Water gathering surface Extreme soil temperatures Unstable excavation walls Ischua 5% Wetness Depth to bedrock Slope Piping Water gathering surface Gretor 2% Wetness Depth to bedrock Slope Water gathering surface Extreme soil temperatures
201A	Lima loam, 0 to 3 percent slopes	Very limited	Lima 85% Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Appleton 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lyons 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Cazenovia 2% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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
201B	Lima loam, 3 to 8 percent slopes	Very limited	Lima 85% Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Appleton 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Cazenovia 2% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Lyons 1% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
201C	Lima loam, 8 to 15 percent slopes	Very limited	Lima 85% Wetness Slope Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 3% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Appleton 3% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation Cazenovia 2% Wetness Piping Slope Water gathering surface Extreme soil temperatures

Composting Facility - Subsurface

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
204A	Lima loam, 0 to 3 percent slopes, lower clay surface	Very limited	Lima 85% Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Appleton 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Cazenovia 2% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Lyons 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	Very limited	Lima 85% Wetness Extreme soil temperatures Low precipitation Unstable excavation walls Appleton 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Kendaia 3% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Cazenovia 2% Wetness Piping Water gathering surface Extreme soil temperatures Low precipitation Lyons 1% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

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
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Very limited	Phelps 85% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Galen 10% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures Homer 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation
210B	Phelps gravelly silt loam, 3 to 8 percent slopes	Very limited	Phelps 85% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation Galen 10% Seepage, bottom layer Wetness Piping Water gathering surface Extreme soil temperatures Homer 5% Seepage, bottom layer Wetness Water gathering surface Extreme soil temperatures Low precipitation
212A	Nuhi silt loam, 0 to 3 percent slopes	Very limited	Nuhi 85% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation Farmington 10% Depth to bedrock Piping Extreme soil temperatures Low precipitation Unstable excavation walls Nuhi, poorly drained 5% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Very limited	Aurora 60% Wetness Depth to bedrock Piping Water gathering surface Extreme soil temperatures Angola 30% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation Darien 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Danley 5% Wetness Extreme soil temperatures Low precipitation Unstable excavation walls
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Very limited	Aurora 60% Wetness Depth to bedrock Slope Piping Water gathering surface Angola 30% Wetness Depth to bedrock Water gathering surface Slope Extreme soil temperatures Danley 5% Wetness Slope Extreme soil temperatures Low precipitation Unstable excavation walls Darien 5% Wetness Slope Water gathering surface Extreme soil temperatures Low precipitation

Composting Facility - Subsurface

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

Composting Facility - Subsurface

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

Composting Facility - Subsurface

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

Composting Facility - Subsurface

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

Composting Facility - Subsurface

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
304B	Kendaia loam, 3 to 8 percent slopes	Very limited	Kendaia 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lima 7% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Lyons 4% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Churchville 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Ovid 2% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
342A	Angola silt loam, 0 to 3 percent slopes	Very limited	Angola 90% Wetness Depth to bedrock Water gathering surface Extreme soil temperatures Low precipitation Ilion 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Darien 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

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
356A	Ovid silt loam, 0 to 3 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Odessa 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
356B	Ovid silt loam, 3 to 8 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Odessa 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
357B	Ovid silty clay loam, 3 to 8 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Odessa 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls

Composting Facility - Subsurface

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
357C	Ovid silty clay loam, 8 to 15 percent slopes	Very limited	Ovid 85% Wetness Water gathering surface Extreme soil temperatures Low precipitation Slope Odessa 10% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls Lakemont 5% Wetness Water gathering surface Extreme soil temperatures Low precipitation Unstable excavation walls
400A	Udorthents, loamy, 0 to 3 percent slopes	Very limited	Udorthents, Loamy 80% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Palmyra 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls Lima 5% Wetness Piping Extreme soil temperatures Low precipitation Unstable excavation walls Howard 5% Seepage, bottom layer Extreme soil temperatures Low precipitation Unstable excavation walls
401D	Udorthents, refuse substratum. 0 to 25 percent slopes	Very limited	Udorthents, refuse substratum 90% Slope Piping Extreme soil temperatures Low precipitation Unstable excavation walls Udorthents, Loamy 10% Seepage, bottom layer Slope Extreme soil temperatures Low precipitation Unstable excavation walls
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%

Composting Facility - Subsurface

Rating Options

Attribute Name: Composting Facility - Subsurface

Composting is a method of using natural processes to change vegetative debris into a useful product. This interpretation shows the degree and kind of limitations that affect the siting of a subsurface composting facility to stabilize vegetative debris produced as a result of a major disaster.

The soil is evaluated from the surface to a depth of 79 inches. The ratings are based on the soil properties that affect attenuation of suspended, soil solution, and gaseous decomposition products and microorganisms, construction and maintenance of the site, and public health. Improper site selection, design, or installation may cause contamination of ground water, seepage, and contamination of stream systems from surface drainage or floodwater.

Properties that influence the risk of pollution, ease of excavation, trafficability, and revegetation are major considerations. Soils that flood or have a water table within the depth of excavation present a potential pollution hazard and are difficult to excavate. Soils that have high saturated hydraulic conductivity (Ksat) are shallow to bedrock, ice, or a cemented pan, or have a high content of stones and boulders are limited because these features interfere with the installation, performance, and maintenance of the system. 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 excavation. It may also cause difficulty in constructing trenches which must be kept level and oriented to follow the ground contour.

Climatic factors influence the ease with which a composting facility can be maintained. Adequate precipitation to keep the mass moist, and sufficient heat to sustain biological activity are essential.

The ratings are both verbal and numerical. 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).

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 on these soils. "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.

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

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

Aggregation Method: Dominant Condition

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

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

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be generated. Aggregation must be done because, on any soil map, map units are delineated but components are not.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent

composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.