

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
1A	Fluvaquents-Udifulvents complex, 0 to 3 percent slopes, frequently flooded	Very limited	Fluvaquents, frequently flooded 45% Depth to saturated zone Frequent or very frequent flooding Low water holding capacity Udifulvents, frequently flooded 40% Low water holding capacity Frequent or very frequent flooding Wayland 10% Depth to saturated zone Frequent or very frequent flooding
2A	Geneseo silty clay loam, 0 to 3 percent slopes	Somewhat limited	Geneseo 90% Occasional flooding Naples Creek 10% Occasional flooding
3A	Hemlock silty clay loam, 0 to 3 percent slopes	Somewhat limited	Hemlock 90% Occasional flooding Naples Creek 10% Occasional flooding
4A	Naples Creek silty clay loam, 0 to 3 percent slopes	Somewhat limited	Naples Creek 90% Occasional flooding Hemlock 5% Occasional flooding
5A	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Very limited	Wayland 60% Depth to saturated zone Frequent or very frequent flooding Wayland, very poorly drained 30% Depth to saturated zone Ponding Frequent or very frequent flooding
12D	Rockrift channery silt loam, 15 to 25 percent slopes	Very limited	Rockrift 85% Slope Water Erosion Content of large stones Too acid Mongaup, very stony 10% Slope Water Erosion Depth to hard bedrock Low water holding capacity Willdin 5% Slope Water Erosion Low water holding capacity
13F	Rock outcrop-Arnot complex, 25 to 70 percent slopes	Not rated	Rock outcrop 55%
14D	Cadosia channery silt loam, 15 to 25 percent slopes	Very limited	Cadosia 85% Slope Water Erosion Too acid Content of large stones Lordstown, very stony 10% Slope Depth to hard bedrock Low water holding capacity Too acid Mardin 5% Slope Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
15A	Guyanoga channery silt loam, fan, 0 to 3 percent slopes	Somewhat limited	Guyanoga, fan 90% Content of large stones Low water holding capacity Slope Chenango, fan 5% Low water holding capacity Slope Hemlock 5% Occasional flooding
15B	Guyanoga channery silt loam, fan, 3 to 8 percent slopes	Somewhat limited	Guyanoga, fan 90% Slope Content of large stones Low water holding capacity Hemlock 5% Occasional flooding Chenango, fan 5% Slope Low water holding capacity
16A	Almond channery silt loam, 0 to 3 percent slopes	Very limited	Almond 80% Depth to saturated zone Slow water movement Slope Norchip 8% Depth to saturated zone Low water holding capacity Slope Ontusia 7% Depth to saturated zone Low water holding capacity Slope Gretor 5% Slope Depth to hard bedrock Low water holding capacity
16B	Almond channery silt loam, 3 to 8 percent slopes	Very limited	Almond 80% Depth to saturated zone Slope Slow water movement Water Erosion Gretor 5% Slope Depth to hard bedrock Water Erosion Low water holding capacity Salamanca 5% Slope Water Erosion Slow water movement Ontusia 5% Depth to saturated zone Slope Low water holding capacity Water Erosion Norchip 5% Depth to saturated zone Low water holding capacity Slope

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
16C	Almond channery silt loam, 8 to 15 percent slopes	Very limited	Almond 80% Depth to saturated zone Slope Slow water movement Water Erosion Salamanca 5% Slope Slow water movement Norchip 5% Depth to saturated zone Low water holding capacity Slope Ontusia 5% Depth to saturated zone Slope Water Erosion Low water holding capacity Gretor 5% Slope Water Erosion Depth to hard bedrock Low water holding capacity
18A	Homer fine sandy loam, 0 to 3 percent slopes	Not limited	Homer 90% Phelps 5%
19A	Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Fine-loamy, mixed, active, mesic Typic Argiaquolls 80% Depth to saturated zone Ponding Atherton 7% Depth to saturated zone Palms, undrained 5% Depth to saturated zone Ponding
20A	Atherton and Fine-loamy, mixed, active, mesic, Typic Argiaquolls, 0 to 3 percent slopes	Very limited	Atherton 41% Depth to saturated zone Fine-loamy, mixed, active, mesic Typic Argiaquolls 39% Depth to saturated zone Ponding Canandaigua 7% Depth to saturated zone
24A	Howard gravelly loam, 0 to 3 percent slopes	Somewhat limited	Howard 80% Slope Low water holding capacity Palmyra 10% Slope Low water holding capacity Arkport 5% Slope Phelps 5% Slope

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
24B	Howard gravelly loam, 3 to 8 percent slopes	Very limited	Howard 80% Slope Low water holding capacity Palmyra 10% Slope Low water holding capacity Arkport 5% Slope Water Erosion Phelps 5% Slope Water Erosion
24C	Howard gravelly loam, 8 to 15 percent slopes	Very limited	Howard 80% Slope Low water holding capacity Palmyra 10% Slope Water Erosion Low water holding capacity Arkport 5% Slope Water Erosion
24D	Howard soils, 15 to 25 percent slopes	Very limited	Howard 65% Slope Water Erosion Low water holding capacity Palmyra 20% Slope Water Erosion Low water holding capacity Arkport 13% Slope Water Erosion
25A	Chenango gravelly loam, 0 to 3 percent slopes	Somewhat limited	Chenango 90% Low water holding capacity Slope Castile 8% Slope Low water holding capacity Valois 2% Slope
25B	Chenango gravelly loam, 3 to 8 percent slopes	Very limited	Chenango 90% Slope Low water holding capacity Castile 5% Slope Low water holding capacity Valois 5% Slope
25C	Chenango gravelly loam, 8 to 15 percent slopes	Very limited	Chenango 90% Slope Low water holding capacity Water Erosion Castile 5% Slope Water Erosion Low water holding capacity Valois 5% Slope Water Erosion

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
25D	Chenango gravelly loam, 15 to 25 percent slopes	Very limited	Chenango 90% Slope Water Erosion Low water holding capacity Castile 8% Slope Water Erosion Low water holding capacity Valois 2% Slope Water Erosion
25E	Chenango gravelly loam, 25 to 35 percent slopes	Very limited	Chenango 90% Slope Water Erosion Low water holding capacity Valois 10% Slope Water Erosion
26B	Chenango channery loam, fan, 3 to 8 percent slopes	Very limited	Chenango, fan 85% Slope Low water holding capacity Guyanoga, fan 5% Slope Content of large stones Low water holding capacity Castile 5% Slope Low water holding capacity
27B	Castile gravelly silt loam, 3 to 8 percent slopes	Somewhat limited	Castile 85% Slope Low water holding capacity Phelps 5% Slope Water Erosion Chenango 5% Slope Low water holding capacity Homer 5% Slope
31A	Collamer silt loam, 0 to 3 percent slopes	Somewhat limited	Collamer 85% Slope Niagara 10% Slope Schoharie 5% Slow water movement Slope
31B	Collamer silt loam, 3 to 8 percent slopes	Very limited	Collamer 85% Slope Water Erosion Niagara 10% Slope Water Erosion Schoharie 5% Slope Water Erosion Slow water movement

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
31C	Collamer silt loam, 8 to 15 percent slopes	Very limited	Collamer 85% Slope Water Erosion Niagara 10% Water Erosion Slope Schoharie 5% Slope Water Erosion Slow water movement
31D	Collamer silt loam, 15 to 25 percent slopes	Very limited	Collamer 90% Slope Water Erosion Schoharie 5% Slope Water Erosion Slow water movement Niagara 5% Slope Water Erosion
32A	Dunkirk fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Slope Arkport 4% Slope Schoharie 3% Slow water movement Slope Niagara 3% Slope
32B	Dunkirk fine sandy loam, 3 to 8 percent slopes	Very limited	Dunkirk 90% Slope Water Erosion Arkport 4% Slope Water Erosion Schoharie 3% Slope Water Erosion Slow water movement Niagara 3% Slope Water Erosion
33A	Dunkirk silt loam, 0 to 3 percent slopes	Somewhat limited	Dunkirk 90% Slope Arkport 4% Slope Niagara 3% Slope Schoharie 3% Slow water movement Slope

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
33B	Dunkirk silt loam, 3 to 8 percent slopes	Very limited	Dunkirk 90% Water Erosion Slope Arkport 4% Slope Water Erosion Schoharie 3% Water Erosion Slope Slow water movement Niagara 3% Water Erosion Slope
33C	Dunkirk silt loam, 8 to 15 percent slopes	Very limited	Dunkirk 90% Slope Water Erosion Arkport 4% Slope Water Erosion Schoharie 3% Slope Water Erosion Slow water movement
33D	Dunkirk silt loam, 15 to 25 percent slopes	Very limited	Dunkirk 90% Slope Water Erosion Schoharie 5% Slope Water Erosion Slow water movement Arkport 5% Slope Water Erosion
33E	Dunkirk silt loam, 25 to 35 percent slopes	Very limited	Dunkirk 90% Slope Water Erosion Schoharie 5% Slope Water Erosion Slow water movement Arkport 5% Slope Water Erosion
34A	Lakemont silty clay loam, 0 to 3 percent slopes	Very limited	Lakemont 85% Depth to saturated zone Slow water movement Odessa 5% Slow water movement Slope Fonda 4% Depth to saturated zone Ponding Slow water movement Canandaigua 4% Depth to saturated zone Barre 2% Depth to saturated zone Slow water movement

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
35A	Odessa silt loam, 0 to 3 percent slopes	Very limited	Odessa 85% Slow water movement Slope Lakemont 5% Depth to saturated zone Slow water movement Schoharie 5% Slow water movement Slope
35B	Odessa silty clay loam, 3 to 8 percent slopes	Very limited	Odessa 85% Slow water movement Slope Water Erosion Schoharie 6% Slope Slow water movement Water Erosion Lakemont 4% Depth to saturated zone Slow water movement
36A	Schoharie silty clay loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Slow water movement Slope Odessa 5% Slow water movement Slope
36B	Schoharie silty clay loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Slope Slow water movement Water Erosion Cazenovia 5% Slope Slow water movement Water Erosion Odessa 5% Slope Slow water movement Water Erosion Cayuga 3% Slope Water Erosion Slow water movement Collamer 2% Slope Water Erosion

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
36C	Schoharie silty clay loam, 8 to 15 percent slopes	Very limited	Schoharie 85% Slope Water Erosion Slow water movement Cazenovia 5% Slope Water Erosion Slow water movement Odessa 5% Slope Water Erosion Slow water movement Cayuga 3% Slope Water Erosion Slow water movement Collamer 2% Slope Water Erosion
36D	Schoharie silty clay loam, 15 to 25 percent slopes	Very limited	Schoharie 85% Slope Water Erosion Slow water movement Cazenovia 5% Slope Water Erosion Slow water movement Odessa 5% Slope Water Erosion Slow water movement Cayuga 3% Slope Water Erosion Slow water movement Collamer 2% Slope Water Erosion
36E	Schoharie silty clay loam, 25 to 45 percent slopes	Very limited	Schoharie 85% Slope Water Erosion Slow water movement Odessa 5% Slope Water Erosion Slow water movement Cazenovia 5% Slope Water Erosion Slow water movement Cayuga 3% Slope Water Erosion Slow water movement Collamer 2% Slope Water Erosion

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
37A	Schoharie silt loam, 0 to 3 percent slopes	Very limited	Schoharie 85% Slow water movement Slope Odessa 5% Slow water movement Slope
37B	Schoharie silt loam, 3 to 8 percent slopes	Very limited	Schoharie 85% Slow water movement Slope Water Erosion Odessa 5% Slow water movement Slope Water Erosion
38A	Niagara silt loam, 0 to 3 percent slopes	Somewhat limited	Niagara 85% Slope Rhinebeck 5% Slow water movement Slope Collamer 5% Slope
38B	Niagara silt loam, 3 to 8 percent slopes	Somewhat limited	Niagara 85% Slope Water Erosion Rhinebeck 5% Slope Water Erosion Slow water movement Collamer 5% Slope Water Erosion
39A	Rhinebeck silty clay loam, 0 to 3 percent slopes	Somewhat limited	Rhinebeck 90% Slow water movement Slope Niagara 5% Slope
41A	Aeric Epiaquepts, 0 to 3 percent slopes	Somewhat limited	Aeric Epiaquepts 50% Slow water movement Elnora 5% Low water holding capacity
43A	Canandaigua silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Depth to saturated zone Canandaigua 4% Depth to saturated zone Ponding Lakemont 3% Depth to saturated zone Slow water movement
44A	Canandaigua mucky silt loam, 0 to 3 percent slopes	Very limited	Canandaigua 90% Depth to saturated zone Ponding Canandaigua 5% Depth to saturated zone Lakemont 3% Depth to saturated zone Slow water movement Palms, undrained 2% Depth to saturated zone Ponding

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
45A	Fonda mucky silt loam, 0 to 3 percent slopes	Very limited	Fonda 95% Depth to saturated zone Ponding Slow water movement Canandaigua 3% Depth to saturated zone Ponding Palms, undrained 2% Depth to saturated zone Ponding
46A	Galen fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Galen 90% Slope Aeric Epiaquepts 5% Slow water movement Kendaia 5% Subsidence hazard Slope
46B	Galen fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Galen 90% Slope Kendaia 5% Slope Subsidence hazard Water Erosion Aeric Epiaquepts 5% Slow water movement
48A	Arkport fine sandy loam, 0 to 3 percent slopes	Somewhat limited	Arkport 95% Slope Dunkirk 3% Slope Galen 2% Slope
48B	Arkport fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Arkport 95% Slope Dunkirk 3% Slope Water Erosion Galen 2% Slope
48C	Arkport fine sandy loam, 8 to 15 percent slopes	Very limited	Arkport 95% Slope Water Erosion Dunkirk 3% Slope Water Erosion Galen 2% Slope Water Erosion
48D	Arkport fine sandy loam, 15 to 25 percent slopes	Very limited	Arkport 90% Slope Water Erosion Dunkirk 8% Slope Water Erosion Palmyra 2% Slope Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
49B	Arkport loamy fine sand, 3 to 8 percent slopes	Somewhat limited	Arkport 95% Slope Low water holding capacity Dunkirk 3% Slope Water Erosion Galen 2% Slope
49D	Arkport loamy fine sand, 15 to 25 percent slopes	Very limited	Arkport 95% Slope Water Erosion Low water holding capacity Dunkirk 3% Slope Water Erosion Palmyra 2% Slope Water Erosion Low water holding capacity
49E	Arkport loamy fine sand, 25 to 35 percent slopes	Very limited	Arkport 90% Slope Water Erosion Low water holding capacity Dunkirk 8% Slope Water Erosion Palmyra 2% Slope Water Erosion Low water holding capacity
49F	Arkport loamy fine sand, 35 to 55 percent slopes	Very limited	Arkport 90% Slope Water Erosion Low water holding capacity Dunkirk 8% Slope Water Erosion Palmyra 2% Slope Water Erosion Low water holding capacity
50B	Dunkirk-Arkport complex, 3 to 8 percent slopes	Somewhat limited	Dunkirk 50% Slope Water Erosion Arkport 45% Slope Collamer 5% Slope Water Erosion
50C	Dunkirk-Arkport complex, 8 to 15 percent slopes	Very limited	Dunkirk 60% Slope Water Erosion Arkport 35% Slope Water Erosion Collamer 5% Slope Water Erosion

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
50D	Dunkirk-Arkport complex, 15 to 25 percent slopes	Very limited	Dunkirk 60% Slope Water Erosion Arkport 35% Slope Water Erosion Collamer 5% Slope Water Erosion
53A	Lamson fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Depth to saturated zone Lamson 5% Depth to saturated zone Ponding Low water holding capacity Canandaigua 3% Depth to saturated zone
54A	Lamson mucky fine sandy loam, 0 to 3 percent slopes	Very limited	Lamson 90% Depth to saturated zone Ponding Low water holding capacity Canandaigua 5% Depth to saturated zone Lamson 5% Depth to saturated zone
56A	Elnora loamy fine sand, 0 to 3 percent slopes	Somewhat limited	Elnora 90% Low water holding capacity Slope Aeric Epiaquepts 10% Slow water movement
58B	Colonie loamy fine sand, 3 to 8 percent slopes	Somewhat limited	Colonie 95% Slope Low water holding capacity Water Erosion Elnora 5% Slope Low water holding capacity
58C	Colonie loamy fine sand, 8 to 15 percent slopes	Very limited	Colonie 95% Slope Water Erosion Low water holding capacity Elnora 5% Slope Low water holding capacity Water Erosion
62B	Mardin channery silt loam, 3 to 8 percent slopes	Somewhat limited	Mardin 85% Slope Low water holding capacity Too acid

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
62C	Mardin channery silt loam, 8 to 15 percent slopes	Very limited	Mardin 88% Slope Water Erosion Low water holding capacity Too acid Bath 5% Slope Water Erosion Low water holding capacity Volusia 5% Depth to saturated zone Slope Low water holding capacity Water Erosion Lordstown 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity
62D	Mardin channery silt loam, 15 to 25 percent slopes	Very limited	Mardin 85% Slope Water Erosion Low water holding capacity Too acid Lordstown 5% Slope Depth to hard bedrock Low water holding capacity Too acid Content of large stones Volusia 5% Depth to saturated zone Slope Water Erosion Low water holding capacity Bath 5% Slope Water Erosion Low water holding capacity
62E	Mardin channery silt loam, 25 to 35 percent slopes	Very limited	Mardin 80% Slope Water Erosion Low water holding capacity Too acid Bath 8% Slope Water Erosion Low water holding capacity Lordstown, very stony 7% Slope Content of large stones Depth to hard bedrock Low water holding capacity Too acid Volusia 5% Depth to saturated zone Slope Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
63B	Langford channery silt loam, 3 to 8 percent slopes	Very limited	Langford 85% Slope Low water holding capacity Erie 10% Depth to saturated zone Low water holding capacity Slope Schuyler 5% Slope Water Erosion Slow water movement
63C	Langford channery silt loam, 8 to 15 percent slopes	Very limited	Langford 85% Slope Water Erosion Low water holding capacity Chadakoin 5% Slope Water Erosion Too acid Erie 5% Depth to saturated zone Slope Low water holding capacity Water Erosion Schuyler 5% Slope Water Erosion Slow water movement
63D	Langford channery silt loam, 15 to 25 percent slopes	Very limited	Langford 80% Slope Low water holding capacity Erie 5% Depth to saturated zone Slope Water Erosion Low water holding capacity Schuyler 5% Slope Slow water movement Towerville 5% Slope Water Erosion Depth to hard bedrock Chadakoin 5% Slope Water Erosion Too acid

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
64B	Langford-Erie channery silt loams, 3 to 8 percent slopes	Very limited	Langford 50% Slope Low water holding capacity Erie 40% Depth to saturated zone Slope Low water holding capacity Water Erosion Chippewa 5% Depth to saturated zone Low water holding capacity Slope Fremont 5% Depth to saturated zone Slow water movement Slope
66A	Lyons soils, 0 to 3 percent slopes	Very limited	Lyons 75% Depth to saturated zone Slow water movement Subsidence hazard Lyons, frequently ponded 15% Depth to saturated zone Ponding Slow water movement Subsidence hazard Canandaigua 3% Depth to saturated zone Palms, undrained 1% Depth to saturated zone Ponding Illion 1% Depth to saturated zone Slow water movement
68A	Volusia channery silt loam, 0 to 3 percent slopes	Very limited	Volusia 90% Depth to saturated zone Low water holding capacity Slope Chippewa 5% Depth to saturated zone Low water holding capacity Slope
68B	Volusia channery silt loam, 3 to 8 percent slopes	Very limited	Volusia 90% Depth to saturated zone Slope Low water holding capacity Water Erosion Chippewa 5% Depth to saturated zone Low water holding capacity Slope Mardin 5% Slope Water Erosion Low water holding capacity Too acid

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
68C	Volusia channery silt loam, 8 to 15 percent slopes	Very limited	Volusia 90% Depth to saturated zone Slope Water Erosion Low water holding capacity Mardin 6% Slope Water Erosion Low water holding capacity Too acid Chippewa 4% Depth to saturated zone Slope Low water holding capacity Water Erosion
68D	Volusia channery silt loam, 15 to 25 percent slopes	Very limited	Volusia 90% Depth to saturated zone Slope Water Erosion Low water holding capacity Mardin 7% Slope Water Erosion Low water holding capacity Too acid Chippewa 3% Depth to saturated zone Slope Low water holding capacity
69A	Erie channery silt loam, 0 to 3 percent slopes	Very limited	Erie 80% Depth to saturated zone Low water holding capacity Slope Chippewa 10% Depth to saturated zone Low water holding capacity Slope Fremont 5% Depth to saturated zone Slow water movement Slope Langford 5% Slope Low water holding capacity Water Erosion

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
69B	Erie channery silt loam, 3 to 8 percent slopes	Very limited	Erie 80% Depth to saturated zone Slope Low water holding capacity Water Erosion Langford 10% Slope Water Erosion Low water holding capacity Chippewa 5% Depth to saturated zone Low water holding capacity Slope Fremont 5% Depth to saturated zone Slow water movement Slope
69C	Erie channery silt loam, 8 to 15 percent slopes	Very limited	Erie 80% Depth to saturated zone Slope Water Erosion Low water holding capacity Langford 10% Slope Low water holding capacity Fremont 5% Depth to saturated zone Slope Slow water movement Water Erosion Chippewa 5% Depth to saturated zone Low water holding capacity Slope
71A	Darien silt loam, 0 to 3 percent slopes	Somewhat limited	Darien 95% Slow water movement Angola 1% Depth to hard bedrock Low water holding capacity
71B	Darien silt loam, 3 to 8 percent slopes	Somewhat limited	Darien 95% Slope Slow water movement Water Erosion Angola 1% Slope Depth to hard bedrock Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
71C	Darien silt loam, 8 to 15 percent slopes	Very limited	Darien 95% Slope Water Erosion Slow water movement Ilion 4% Depth to saturated zone Slope Water Erosion Slow water movement Angola 1% Slope Water Erosion Depth to hard bedrock Low water holding capacity
72A	Darien-Ilion silt loams, 0 to 3 percent slopes	Somewhat limited	Darien 68% Slow water movement Angola 5% Depth to hard bedrock Low water holding capacity
72B	Darien-Ilion silt loams, 3 to 8 percent slopes	Somewhat limited	Darien 68% Slope Slow water movement Water Erosion Angola 5% Slope Depth to hard bedrock Water Erosion Low water holding capacity
73B	Greter silt loam, 3 to 8 percent slopes	Somewhat limited	Greter 95% Slope Depth to hard bedrock Water Erosion Low water holding capacity
73C	Greter silt loam, 8 to 15 percent slopes	Very limited	Greter 95% Slope Water Erosion Depth to hard bedrock Low water holding capacity Greter, poorly drained 5% Depth to saturated zone Slope Depth to hard bedrock Water Erosion Low water holding capacity
73D	Greter channery silt loam, 15 to 25 percent slopes	Very limited	Greter 90% Slope Water Erosion Depth to hard bedrock Low water holding capacity Mongaup, very stony 8% Slope Water Erosion Depth to hard bedrock Low water holding capacity Greter, poorly drained 2% Depth to saturated zone Slope Depth to hard bedrock Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
76B	Orpark silt loam, 3 to 8 percent slopes	Somewhat limited	Orpark 95% Slope Depth to hard bedrock Low water holding capacity Water Erosion
76C	Orpark silt loam, 8 to 15 percent slopes	Very limited	Orpark 95% Slope Water Erosion Depth to hard bedrock Low water holding capacity Orpark, poorly drained 5% Depth to saturated zone Slope Depth to hard bedrock Low water holding capacity Water Erosion
76D	Orpark channery silt loam, 15 to 25 percent slopes	Very limited	Orpark 90% Slope Water Erosion Depth to hard bedrock Low water holding capacity Orpark, poorly drained 5% Depth to saturated zone Slope Depth to hard bedrock Low water holding capacity Water Erosion Lordstown, very stony 5% Slope Depth to hard bedrock Low water holding capacity Too acid
77A	Chippewa silt loam, 0 to 3 percent slopes	Very limited	Chippewa 85% Depth to saturated zone Low water holding capacity Slope Chippewa, very poorly drained 10% Ponding Depth to saturated zone Low water holding capacity Volusia 5% Depth to saturated zone Slope Low water holding capacity Water Erosion
77B	Chippewa silt loam, 3 to 8 percent slopes	Very limited	Chippewa 85% Depth to saturated zone Slope Low water holding capacity Water Erosion Volusia 10% Depth to saturated zone Slope Water Erosion Low water holding capacity Chippewa, very poorly drained 5% Ponding Depth to saturated zone Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
82B	Manlius channery silt loam, 3 to 8 percent slopes	Very limited	Manlius 95% Slope Low water holding capacity Content of large stones Water Erosion Too acid Gretor 5% Slope Depth to hard bedrock Water Erosion Low water holding capacity
82C	Manlius channery silt loam, 8 to 15 percent slopes	Very limited	Manlius 95% Slope Water Erosion Low water holding capacity Content of large stones Too acid Gretor 5% Slope Water Erosion Depth to hard bedrock Low water holding capacity
82D	Manlius channery silt loam, 15 to 25 percent slopes	Very limited	Manlius 95% Slope Water Erosion Low water holding capacity Content of large stones Too acid Arnot, very stony 4% Depth to hard bedrock Slope Low water holding capacity Content of large stones Too acid Gretor 1% Slope Water Erosion Depth to hard bedrock Low water holding capacity
91A	Palms muck, 0 to 3 percent slopes	Very limited	Palms, undrained 55% Depth to saturated zone Ponding Canandaigua 5% Depth to saturated zone Ponding
92A	Carlisle muck, 0 to 3 percent slopes	Very limited	Carlisle, undrained 45% Depth to saturated zone Ponding Palms, undrained 10% Depth to saturated zone Ponding Canandaigua 5% Depth to saturated zone Ponding

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
93A	Edwards muck, 0 to 3 percent slopes	Very limited	Edwards, undrained 50% Depth to saturated zone Ponding Calcium carbonate Slow water movement Martisco, undrained 10% Depth to saturated zone Ponding Calcium carbonate Slow water movement Canandaigua 5% Depth to saturated zone Ponding
94A	Martisco muck, 0 to 3 percent slopes	Very limited	Martisco, undrained 55% Depth to saturated zone Ponding Calcium carbonate Slow water movement Canandaigua 5% Depth to saturated zone Ponding
95A	Saprists, 0 to 3 percent slopes, inundated	Very limited	Saprists, inundated 85% Depth to saturated zone Ponding Palms, undrained 5% Depth to saturated zone Ponding Fluvaquents, frequently flooded 5% Depth to saturated zone Frequent or very frequent flooding Low water holding capacity Carlisle, undrained 5% Depth to saturated zone Ponding
101A	Honeoye loam, 0 to 3 percent slopes	Somewhat limited	Honeoye 85% Subsidence hazard Slope Lima 5% Subsidence hazard Slope Lansing 4% Subsidence hazard Slope Kendaia 4% Subsidence hazard Slope Wassaic 2% Depth to hard bedrock Low water holding capacity Slope

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
101B	Honeoye loam, 3 to 8 percent slopes	Very limited	Honeoye 85% Slope Water Erosion Subsidence hazard Lima 5% Slope Water Erosion Subsidence hazard Kendaia 4% Slope Subsidence hazard Water Erosion Lansing 4% Slope Water Erosion Subsidence hazard Wassaic 2% Slope Depth to hard bedrock Water Erosion Low water holding capacity
101C	Honeoye loam, 8 to 15 percent slopes	Very limited	Honeoye 85% Slope Water Erosion Subsidence hazard Lima 5% Slope Water Erosion Subsidence hazard Lansing 4% Slope Water Erosion Subsidence hazard Kendaia 4% Slope Water Erosion Subsidence hazard Wassaic 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
101D	Honeoye loam, 15 to 25 percent slopes	Very limited	Honeoye 85% Slope Water Erosion Subsidence hazard Lima 5% Slope Water Erosion Subsidence hazard Lansing 4% Slope Water Erosion Subsidence hazard Kendaia 4% Slope Water Erosion Subsidence hazard Wassaic 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity
101E	Honeoye loam, 25 to 35 percent slopes	Very limited	Honeoye 85% Slope Water Erosion Subsidence hazard Lima 5% Slope Water Erosion Subsidence hazard Kendaia 4% Slope Water Erosion Subsidence hazard Lansing 4% Slope Water Erosion Subsidence hazard Wassaic 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity
104A	Honeoye loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Honeoye, lower clay surface 85% Subsidence hazard Slope Lima 5% Subsidence hazard Slope Lansing 4% Subsidence hazard Slope Kendaia 4% Subsidence hazard Slope Wassaic 2% Depth to hard bedrock Low water holding capacity Slope

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
104B	Honeoye loam, 3 to 8 percent slopes, lower clay surface	Very limited	Honeoye, lower clay surface 85% Slope Water Erosion Subsidence hazard Lima 5% Slope Water Erosion Subsidence hazard Lansing 4% Slope Water Erosion Subsidence hazard Kendaia 4% Slope Subsidence hazard Water Erosion Wassaic 2% Slope Depth to hard bedrock Water Erosion Low water holding capacity
104C	Honeoye loam, 8 to 15 percent slopes, lower clay surface	Very limited	Honeoye, lower clay surface 85% Slope Water Erosion Subsidence hazard Lima 5% Slope Water Erosion Subsidence hazard Kendaia 4% Slope Water Erosion Subsidence hazard Lansing 4% Slope Water Erosion Subsidence hazard Wassaic 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
106B	Danley-Lansing complex, 3 to 8 percent slopes	Somewhat limited	Danley 50% Slope Slow water movement Water Erosion Lansing 45% Slope Subsidence hazard Water Erosion Conesus 2% Slope Subsidence hazard Water Erosion Kendaia 1% Slope Subsidence hazard Water Erosion Palatine 1% Slope Water Erosion Depth to hard bedrock Low water holding capacity Appleton 1% Slope Water Erosion
107B	Conesus-Lansing complex, 3 to 8 percent slopes	Somewhat limited	Conesus 50% Slope Subsidence hazard Water Erosion Lansing 45% Slope Subsidence hazard Water Erosion Kendaia 2% Slope Subsidence hazard Water Erosion Appleton 1% Slope Water Erosion Danley 1% Slope Slow water movement Water Erosion Palatine 1% Slope Water Erosion Depth to hard bedrock Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
108C	Lansing loam, 8 to 15 percent slopes	Very limited	Lansing 85% Slope Water Erosion Subsidence hazard Conesus 8% Slope Water Erosion Subsidence hazard Appleton 2% Slope Water Erosion Danley 1% Slope Water Erosion Slow water movement Wassaic 1% Slope Water Erosion Depth to hard bedrock Low water holding capacity
108D	Lansing loam, 15 to 25 percent slopes	Very limited	Lansing 85% Slope Water Erosion Subsidence hazard Conesus 9% Slope Water Erosion Subsidence hazard Wassaic 3% Slope Water Erosion Depth to hard bedrock Low water holding capacity Kendaia 2% Slope Water Erosion Subsidence hazard Appleton 1% Slope Water Erosion
108E	Lansing loam, 25 to 35 percent slopes	Very limited	Lansing 85% Slope Water Erosion Subsidence hazard Cazenovia 10% Slope Water Erosion Slow water movement Aurora 5% Slope Water Erosion Slow water movement Depth to hard bedrock

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
112B	Ontario fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Ontario 85% Slope Subsidence hazard Water Erosion Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 5% Slope Subsidence hazard Water Erosion Cazenovia 3% Slope Slow water movement Water Erosion Appleton 2% Slope Subsidence hazard Water Erosion
112C	Ontario fine sandy loam, 8 to 15 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 5% Slope Water Erosion Subsidence hazard Cazenovia 3% Slope Water Erosion Slow water movement Appleton 2% Slope Water Erosion Subsidence hazard
112D	Ontario fine sandy loam, 15 to 25 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Cazenovia 5% Slope Water Erosion Slow water movement Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 3% Slope Water Erosion Subsidence hazard Appleton 2% Slope Water Erosion Subsidence hazard

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
112E	Ontario fine sandy loam, 25 to 35 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Cazenovia 5% Slope Water Erosion Slow water movement Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 3% Slope Water Erosion Subsidence hazard Appleton 2% Slope Water Erosion Subsidence hazard
114B	Ontario gravelly loam, 3 to 8 percent slopes	Very limited	Ontario 85% Slope Subsidence hazard Water Erosion Hilton 5% Slope Water Erosion Subsidence hazard Honeoye 5% Slope Water Erosion Subsidence hazard Cazenovia 3% Slope Slow water movement Water Erosion Appleton 2% Slope Water Erosion Subsidence hazard
114C	Ontario gravelly loam, 8 to 15 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Hilton 5% Slope Water Erosion Subsidence hazard Honeoye 5% Slope Water Erosion Subsidence hazard Cazenovia 3% Slope Water Erosion Slow water movement Appleton 2% Slope Water Erosion Subsidence hazard

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
114D	Ontario gravelly loam, 15 to 25 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 5% Slope Water Erosion Subsidence hazard Cazenovia 3% Slope Water Erosion Slow water movement Appleton 2% Slope Water Erosion Subsidence hazard
116B	Ontario loam, 3 to 8 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 5% Slope Water Erosion Subsidence hazard Cazenovia 3% Slope Slow water movement Water Erosion Appleton 2% Slope Water Erosion Subsidence hazard
116C	Ontario loam, 8 to 15 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 5% Slope Water Erosion Subsidence hazard Cazenovia 3% Slope Water Erosion Slow water movement Appleton 2% Slope Water Erosion Subsidence hazard

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
116D	Ontario loam, 15 to 25 percent slopes	Very limited	Ontario 85% Slope Water Erosion Subsidence hazard Cazenovia 5% Slope Water Erosion Slow water movement Honeoye 5% Slope Water Erosion Subsidence hazard Hilton 3% Slope Water Erosion Subsidence hazard Appleton 2% Slope Water Erosion Subsidence hazard
118F	Ontario, Honeoye, and Lansing soils, 35 to 55 percent slopes	Very limited	Ontario 40% Slope Water Erosion Subsidence hazard Honeoye 35% Slope Water Erosion Subsidence hazard Lansing 20% Slope Water Erosion Subsidence hazard Aurora 5% Slope Water Erosion Slow water movement Depth to hard bedrock
120E	Palmyra and Howard soils, 25 to 45 percent slopes	Very limited	Palmyra 55% Slope Water Erosion Low water holding capacity Howard 40% Slope Water Erosion Low water holding capacity Colonie 5% Slope Water Erosion Low water holding capacity
122A	Palmyra cobbly loam, 0 to 3 percent slopes	Somewhat limited	Palmyra 95% Slope Low water holding capacity Honeoye, lower clay surface 5% Subsidence hazard Slope
122B	Palmyra cobbly loam, 3 to 8 percent slopes	Somewhat limited	Palmyra 95% Slope Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

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

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
130A	Farmington loam, 0 to 3 percent slopes	Very limited	Farmington 90% Depth to hard bedrock Low water holding capacity Slope Galoo 5% Depth to hard bedrock Low water holding capacity Slope
130B	Farmington loam, 3 to 8 percent slopes	Very limited	Farmington 90% Depth to hard bedrock Slope Low water holding capacity Water Erosion Galoo 5% Depth to hard bedrock Low water holding capacity Slope Water Erosion
132A	Galoo loam, 0 to 3 percent slopes, rocky	Very limited	Galoo 95% Depth to hard bedrock Low water holding capacity
132B	Galoo loam, 3 to 8 percent slopes, rocky	Very limited	Galoo 95% Depth to hard bedrock Low water holding capacity Slope Water Erosion
134A	Camillus silt loam, 0 to 3 percent slopes	Somewhat limited	Camillus 95% Depth to hard bedrock Angola 5% Depth to hard bedrock Low water holding capacity
134B	Camillus silt loam, 3 to 8 percent slopes	Somewhat limited	Camillus 95% Slope Depth to hard bedrock Water Erosion Angola 5% Slope Depth to hard bedrock Water Erosion Low water holding capacity
151C	Willdin-Norchip complex, 3 to 15 percent slopes	Very limited	Willdin 60% Slope Low water holding capacity Water Erosion Norchip 38% Depth to saturated zone Low water holding capacity Slope Palms, undrained 2% Depth to saturated zone Ponding

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152B	Valois gravelly loam, 3 to 8 percent slopes	Very limited	Valois 85% Slope Cadosia 5% Slope Too acid Content of large stones Volusia 5% Depth to saturated zone Low water holding capacity Slope Mardin 5% Slope Low water holding capacity Water Erosion
152C	Valois gravelly loam, 8 to 15 percent slopes	Very limited	Valois 85% Slope Water Erosion Mardin 5% Slope Water Erosion Low water holding capacity Cadosia 5% Slope Water Erosion Too acid Content of large stones Volusia 5% Depth to saturated zone Slope Low water holding capacity Water Erosion
152D	Valois gravelly loam, 15 to 25 percent slopes	Very limited	Valois 85% Slope Water Erosion Cadosia 6% Slope Water Erosion Too acid Content of large stones Mardin 6% Slope Water Erosion Low water holding capacity Volusia 3% Depth to saturated zone Slope Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
152E	Valois gravelly loam, 25 to 35 percent slopes	Very limited	Valois 85% Slope Water Erosion Cadosia 6% Slope Water Erosion Too acid Content of large stones Mardin 6% Slope Water Erosion Low water holding capacity Towerville, extremely stony 3% Slope Water Erosion Content of large stones Depth to hard bedrock Low water holding capacity
153B	Valois gravelly loam, cool, 3 to 8 percent slopes	Very limited	Valois, cool 85% Slope Ontusia 5% Depth to saturated zone Low water holding capacity Slope Rockrift 5% Slope Content of large stones Water Erosion Too acid Willdin 5% Slope Low water holding capacity
153C	Valois gravelly loam, cool, 8 to 15 percent slopes	Very limited	Valois, cool 85% Slope Water Erosion Ontusia 5% Depth to saturated zone Slope Low water holding capacity Water Erosion Rockrift 5% Slope Water Erosion Content of large stones Too acid Willdin 5% Slope Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
153D	Valois gravelly loam, cool, 15 to 25 percent slopes	Very limited	Valois, cool 85% Slope Water Erosion Rockrift 6% Slope Water Erosion Content of large stones Too acid Willdin 6% Slope Water Erosion Low water holding capacity Ontusia 3% Depth to saturated zone Slope Water Erosion Low water holding capacity
153E	Valois gravelly loam, cool, 25 to 35 percent slopes	Very limited	Valois, cool 85% Slope Water Erosion Rockrift 6% Slope Water Erosion Content of large stones Too acid Willdin 6% Slope Water Erosion Low water holding capacity Ischua 3% Slope Water Erosion Depth to hard bedrock Low water holding capacity
162B	Willdin channery silt loam, 3 to 8 percent slopes	Very limited	Willdin 85% Slope Low water holding capacity Water Erosion Lewbath 5% Slope Water Erosion Ontusia 5% Depth to saturated zone Low water holding capacity Slope

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
162C	Willdin channery silt loam, 8 to 15 percent slopes	Very limited	Willdin 85% Slope Water Erosion Low water holding capacity Ontusia 6% Depth to saturated zone Slope Low water holding capacity Water Erosion Lewbath 6% Slope Water Erosion Middlebrook 3% Slope Water Erosion Low water holding capacity Depth to hard bedrock
162D	Willdin channery silt loam, 15 to 25 percent slopes	Very limited	Willdin 80% Slope Water Erosion Low water holding capacity Lewbath 10% Slope Water Erosion Mongaup 5% Slope Water Erosion Content of large stones Low water holding capacity Depth to hard bedrock Ontusia 5% Depth to saturated zone Slope Water Erosion Low water holding capacity
168A	Ontusia channery silt loam, 0 to 3 percent slopes	Very limited	Ontusia 88% Depth to saturated zone Low water holding capacity Slope Willdin 5% Slope Low water holding capacity Water Erosion Norchip 5% Depth to saturated zone Low water holding capacity Slope
168B	Ontusia channery silt loam, 3 to 8 percent slopes	Very limited	Ontusia 90% Depth to saturated zone Slope Low water holding capacity Water Erosion Norchip 5% Depth to saturated zone Low water holding capacity Slope Willdin 5% Slope Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
168C	Ontusia channery silt loam, 8 to 15 percent slopes	Very limited	Ontusia 90% Depth to saturated zone Slope Water Erosion Low water holding capacity Norchip 5% Depth to saturated zone Slope Low water holding capacity Water Erosion Willdin 5% Slope Water Erosion Low water holding capacity
168D	Ontusia channery silt loam, 15 to 25 percent slopes	Very limited	Ontusia 90% Depth to saturated zone Slope Water Erosion Low water holding capacity Willdin 7% Slope Water Erosion Low water holding capacity Norchip 3% Depth to saturated zone Slope Low water holding capacity Water Erosion
171C	Lordstown-Manlius-Towerville complex, 8 to 15 percent slopes, very stony	Very limited	Lordstown, very stony 40% Slope Depth to hard bedrock Low water holding capacity Too acid Towerville, very stony 20% Slope Content of large stones Depth to hard bedrock Low water holding capacity Water Erosion Manlius, very stony 20% Slope Low water holding capacity Content of large stones Depth to soft bedrock Water Erosion Cadosia, very stony 10% Slope Content of large stones Low water holding capacity Too acid Mardin, very stony 5% Slope Water Erosion Low water holding capacity Too acid Arnot, very stony 5% Depth to hard bedrock Slope Low water holding capacity Content of large stones Too acid

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171D	Lordstown-Manlius-Towerville complex, 15 to 25 percent slopes, very stony	Very limited	<p>Lordstown, very stony 40%</p> <ul style="list-style-type: none"> Slope Depth to hard bedrock Low water holding capacity Too acid <p>Manlius, very stony 20%</p> <ul style="list-style-type: none"> Slope Low water holding capacity Content of large stones Water Erosion Depth to soft bedrock <p>Towerville, very stony 20%</p> <ul style="list-style-type: none"> Slope Content of large stones Depth to hard bedrock Low water holding capacity Water Erosion <p>Cadosia, very stony 10%</p> <ul style="list-style-type: none"> Slope Content of large stones Low water holding capacity Too acid <p>Arnot, very stony 5%</p> <ul style="list-style-type: none"> Depth to hard bedrock Slope Low water holding capacity Content of large stones Too acid <p>Mardin 5%</p> <ul style="list-style-type: none"> Slope Water Erosion Low water holding capacity Too acid

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
171E	Lordstown-Manlius-Towerville complex, 25 to 35 percent slopes, extremely stony	Very limited	<p>Lordstown, extremely stony 40%</p> <ul style="list-style-type: none"> Slope Depth to hard bedrock Low water holding capacity Too acid <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> Slope Content of large stones Depth to hard bedrock Water Erosion Low water holding capacity <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> Slope Water Erosion Low water holding capacity Content of large stones Depth to soft bedrock <p>Cadosia, extremely stony 10%</p> <ul style="list-style-type: none"> Slope Content of large stones Low water holding capacity Too acid <p>Arnot, very stony 5%</p> <ul style="list-style-type: none"> Depth to hard bedrock Slope Low water holding capacity Content of large stones Too acid <p>Mardin, extremely stony 5%</p> <ul style="list-style-type: none"> Slope Low water holding capacity Too acid
171F	Lordstown-Manlius-Towerville complex, 35 to 80 percent slopes, extremely stony	Very limited	<p>Lordstown, extremely stony 40%</p> <ul style="list-style-type: none"> Slope Depth to hard bedrock Low water holding capacity Too acid <p>Towerville, extremely stony 20%</p> <ul style="list-style-type: none"> Slope Water Erosion Content of large stones Depth to hard bedrock Low water holding capacity <p>Manlius, extremely stony 20%</p> <ul style="list-style-type: none"> Slope Water Erosion Low water holding capacity Content of large stones Depth to soft bedrock <p>Arnot, extremely stony 10%</p> <ul style="list-style-type: none"> Depth to hard bedrock Slope Low water holding capacity Content of large stones Too acid <p>Cadosia, extremely stony 10%</p> <ul style="list-style-type: none"> Slope Content of large stones Low water holding capacity Too acid

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
177A	Norchip silt loam, 0 to 3 percent slopes	Very limited	Norchip 85% Depth to saturated zone Low water holding capacity Slope Norchip, very poorly drained 10% Ponding Depth to saturated zone Low water holding capacity Ontusia 5% Depth to saturated zone Slope Low water holding capacity Water Erosion
177B	Norchip silt loam, 3 to 8 percent slopes	Very limited	Norchip 85% Depth to saturated zone Slope Low water holding capacity Water Erosion Norchip, very poorly drained 10% Ponding Depth to saturated zone Low water holding capacity Ontusia 5% Depth to saturated zone Slope Water Erosion Low water holding capacity
181B	Mongaup-Ischua complex, 3 to 8 percent slopes	Very limited	Mongaup 45% Slope Depth to hard bedrock Low water holding capacity Ischua 40% Slope Depth to hard bedrock Low water holding capacity Rockrift 10% Slope Content of large stones Water Erosion Too acid Willdin 3% Slope Low water holding capacity Gretor 2% Slope Depth to hard bedrock Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
181C	Mongaup-Ischua complex, 8 to 15 percent slopes	Very limited	Mongaup 45% Slope Depth to hard bedrock Low water holding capacity Water Erosion Ischua 40% Slope Depth to hard bedrock Low water holding capacity Water Erosion Rockrift 10% Slope Water Erosion Content of large stones Too acid Willdin 3% Slope Water Erosion Low water holding capacity Greter 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity
181D	Mongaup-Ischua complex, 15 to 25 percent slopes, very stony	Very limited	Mongaup, very stony 45% Slope Water Erosion Depth to hard bedrock Low water holding capacity Ischua, very stony 40% Slope Water Erosion Depth to hard bedrock Low water holding capacity Rockrift 10% Slope Water Erosion Content of large stones Too acid Willdin 3% Slope Water Erosion Low water holding capacity Greter 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
181E	Mongaup-Ischua complex, 25 to 35 percent slopes, extremely stony	Very limited	Mongaup, extremely stony 45% Slope Water Erosion Depth to hard bedrock Low water holding capacity Ischua, extremely stony 40% Slope Water Erosion Depth to hard bedrock Low water holding capacity Rockriff 10% Slope Water Erosion Content of large stones Too acid Willdin 3% Slope Water Erosion Low water holding capacity Greter 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity
182B	Mongaup channery loam, 3 to 8 percent slopes	Very limited	Mongaup 75% Slope Depth to hard bedrock Low water holding capacity Rockriff 10% Slope Content of large stones Water Erosion Too acid Willdin 8% Slope Low water holding capacity Ischua 5% Slope Depth to hard bedrock Low water holding capacity Greter 2% Slope Depth to hard bedrock Water Erosion Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition

Tie-break Rule: Higher

Ontario County, New York

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
182C	Mongaup channery loam, 8 to 15 percent slopes	Very limited	Mongaup 75% Slope Depth to hard bedrock Low water holding capacity Water Erosion Rockrift 10% Slope Water Erosion Content of large stones Too acid Willdin 8% Slope Water Erosion Low water holding capacity Ischua 5% Slope Depth to hard bedrock Low water holding capacity Water Erosion Gretor 2% Slope Water Erosion Depth to hard bedrock Low water holding capacity
201A	Lima loam, 0 to 3 percent slopes	Somewhat limited	Lima 85% Subsidence hazard Slope Honeoye 5% Subsidence hazard Slope Kendaia 3% Subsidence hazard Slope Appleton 3% Subsidence hazard Slope Cazenovia 2% Slow water movement Slope
201B	Lima loam, 3 to 8 percent slopes	Somewhat limited	Lima 85% Slope Subsidence hazard Water Erosion Honeoye 6% Slope Water Erosion Subsidence hazard Kendaia 3% Slope Subsidence hazard Water Erosion Appleton 3% Slope Subsidence hazard Water Erosion Cazenovia 2% Slope Slow water movement Water Erosion

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
201C	Lima loam, 8 to 15 percent slopes	Very limited	Lima 85% Slope Water Erosion Subsidence hazard Honeoye 7% Slope Water Erosion Subsidence hazard Appleton 3% Slope Water Erosion Subsidence hazard Kendaia 3% Slope Water Erosion Subsidence hazard Cazenovia 2% Slope Water Erosion Slow water movement
204A	Lima loam, 0 to 3 percent slopes, lower clay surface	Somewhat limited	Lima 85% Subsidence hazard Slope Honeoye 5% Subsidence hazard Slope Appleton 3% Subsidence hazard Slope Kendaia 3% Subsidence hazard Slope Cazenovia 2% Slow water movement Slope
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	Somewhat limited	Lima 85% Slope Water Erosion Subsidence hazard Honeoye 6% Slope Water Erosion Subsidence hazard Appleton 3% Slope Subsidence hazard Water Erosion Kendaia 3% Slope Subsidence hazard Water Erosion Cazenovia 2% Slope Slow water movement Water Erosion
210A	Phelps gravelly silt loam, 0 to 3 percent slopes	Somewhat limited	Phelps 85% Slope Galen 10% Slope Homer 5% Slope

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
210B	Phelps gravelly silt loam, 3 to 8 percent slopes	Somewhat limited	Phelps 85% Slope Water Erosion Galen 10% Slope Homer 5% Slope
212A	Nuhi silt loam, 0 to 3 percent slopes	Somewhat limited	Nuhi 85% Depth to hard bedrock Slope
240B	Aurora-Angola silt loams, 3 to 8 percent slopes	Somewhat limited	Aurora 60% Slope Slow water movement Water Erosion Depth to hard bedrock Angola 30% Depth to hard bedrock Slope Low water holding capacity Water Erosion Danley 5% Slope Slow water movement Water Erosion Darlen 5% Slope Slow water movement Water Erosion
240C	Aurora-Angola silt loams, 8 to 15 percent slopes	Very limited	Aurora 60% Slope Water Erosion Slow water movement Depth to hard bedrock Angola 30% Slope Water Erosion Depth to hard bedrock Low water holding capacity Darlen 5% Slope Water Erosion Slow water movement Danley 5% Slope Water Erosion Slow water movement

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
240D	Aurora-Angola silt loams, 15 to 25 percent slopes	Very limited	Aurora 60% Slope Water Erosion Slow water movement Depth to hard bedrock Angola 30% Slope Water Erosion Depth to hard bedrock Low water holding capacity Darien 5% Slope Water Erosion Slow water movement Danley 5% Slope Water Erosion Slow water movement
241B	Aurora silt loam, 3 to 8 percent slopes	Somewhat limited	Aurora 85% Slope Slow water movement Water Erosion Depth to hard bedrock Angola 10% Slope Depth to hard bedrock Water Erosion Low water holding capacity Danley 5% Slope Slow water movement Water Erosion
241C	Aurora silt loam, 8 to 15 percent slopes	Very limited	Aurora 85% Slope Water Erosion Slow water movement Depth to hard bedrock Angola 8% Slope Water Erosion Depth to hard bedrock Low water holding capacity Danley 7% Slope Water Erosion Slow water movement
241D	Aurora silt loam, 15 to 25 percent slopes	Very limited	Aurora 85% Slope Water Erosion Slow water movement Depth to hard bedrock Danley 10% Slope Water Erosion Slow water movement Angola 5% Slope Water Erosion Depth to hard bedrock Low water holding capacity

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
255B	Cazenovia silt loam, 3 to 8 percent slopes	Somewhat limited	Cazenovia 85% Slope Water Erosion Ovid 10% Slope Slow water movement Water Erosion Cayuga 5% Slope Water Erosion Slow water movement
255C	Cazenovia silt loam, 8 to 15 percent slopes	Very limited	Cazenovia 85% Slope Water Erosion Cayuga 8% Slope Water Erosion Slow water movement Ovid 7% Water Erosion Slope Slow water movement
255D	Cazenovia silt loam, 15 to 25 percent slopes	Very limited	Cazenovia 85% Slope Water Erosion Cayuga 10% Slope Water Erosion Slow water movement Ovid 5% Slope Water Erosion Slow water movement
260B	Cayuga silt loam, 3 to 8 percent slopes	Somewhat limited	Cayuga 85% Slope Water Erosion Slow water movement Schoharie 10% Slope Water Erosion Slow water movement Odessa 5% Slow water movement Slope Water Erosion
260C	Cayuga silt loam, 8 to 15 percent slopes	Very limited	Cayuga 85% Slope Water Erosion Slow water movement Schoharie 10% Slope Water Erosion Slow water movement Odessa 5% Water Erosion Slope Slow water movement

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
260D	Cayuga silt loam, 15 to 25 percent slopes	Very limited	Cayuga 85% Slope Water Erosion Slow water movement Lansing 10% Slope Water Erosion Subsidence hazard Schoharie 5% Slope Water Erosion Slow water movement
304A	Kendaia loam, 0 to 3 percent slopes	Somewhat limited	Kendaia 85% Subsidence hazard Slope Lima 6% Subsidence hazard Slope Ovid 2% Slow water movement Slope Churchville 2% Slow water movement Slope
304B	Kendaia loam, 3 to 8 percent slopes	Somewhat limited	Kendaia 85% Slope Subsidence hazard Water Erosion Lima 7% Slope Subsidence hazard Water Erosion Churchville 2% Slope Slow water movement Water Erosion Ovid 2% Slope Slow water movement Water Erosion
342A	Angola silt loam, 0 to 3 percent slopes	Somewhat limited	Angola 90% Depth to hard bedrock Low water holding capacity Darien 5% Slow water movement
356A	Ovid silt loam, 0 to 3 percent slopes	Somewhat limited	Ovid 85% Slow water movement Odessa 10% Slow water movement
356B	Ovid silt loam, 3 to 8 percent slopes	Somewhat limited	Ovid 85% Slope Slow water movement Water Erosion Odessa 10% Slope Slow water movement Water Erosion

Irrigation, Sprinkler (Close Spaced Drops)

Aggregation Method: Dominant Condition
Tie-break Rule: Higher

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

Map symbol	Map unit name	Rating	Component name and % composition Rating reasons
357B	Ovid silty clay loam, 3 to 8 percent slopes	Somewhat limited	Ovid 85% Slope Slow water movement Water Erosion Odessa 10% Slope Slow water movement Water Erosion
357C	Ovid silty clay loam, 8 to 15 percent slopes	Very limited	Ovid 85% Slope Water Erosion Slow water movement Odessa 10% Water Erosion Slope Slow water movement Lakemont 5% Depth to saturated zone Slow water movement
400A	Udorthents, loamy, 0 to 3 percent slopes	Somewhat limited	Udorthents, loamy 80% Low water holding capacity Slope Howard 5% Slope Low water holding capacity Palmyra 5% Slope Low water holding capacity Lima 5% Subsidence hazard Slope
401D	Udorthents, refuse substratum. 0 to 25 percent slopes	Not rated	Udorthents, refuse substratum 90%
PG	Pits, gravel and sand	Not rated	Pits, gravel and sand 75%
PQ	Pits, quarry	Not rated	Pits, quarry 80%
W	Water	Not rated	Water 100%

Irrigation, Sprinkler (Close Spaced Drops)

Rating Options

Attribute Name: Irrigation, Sprinkler (Close Spaced Drops)

This interpretation evaluates a soil's limitation(s) for installation and use of sprinkler irrigation systems equipped with low pressure spray nozzles mounted on closely spaced drops that apply water close to the ground surface. The ratings are for soils in their natural condition and do not consider present land use.

These systems are generally found on linear move or center pivot systems, and they have separate slope criteria from other sprinkler systems because of their higher application rates, which increase risk of runoff and irrigation-induced erosion on steeper slopes. Examples of these types of systems include Low Pressure in Canopy (LPIC), Low Energy Precision Application (LEPA), Low Elevation Spray Application (LESA), and Mid-Elevation Spray Application (MESA) systems. These types of irrigation systems are generally suitable for small grains, row crops, and vegetables.

The soil properties and qualities important in the design and management of sprinkler irrigation systems utilizing close spaced spray nozzles on drops are depth, available water holding capacity, sodium adsorption ratio, surface coarse fragments, saturated hydraulic conductivity, salinity, slope, wetness, and flooding. The features that affect performance of the system and plant growth are surface texture, surface rocks, salinity, sodium adsorption ratio, wetness, erosion potential, and available water holding capacity.

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

Numerical ratings indicate the severity of individual limitations. The ratings are shown as 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 the soil features that affect the soil interpretation. Verbal soil rating classes are based on the highest numerical rating for the most limiting soil feature(s) considered in the rating process. "Not limited" (numerical value for the most restrictive feature = 0.00) indicates that the soil has no limiting features for the specified use. "Somewhat limited" (numerical value for the most restrictive feature = .01 to .99) indicates that the soil has limiting features for the specified use that can be overcome with proper planning, design, installation, and management. The effort required to overcome a soil limitation increases as the numerical rating increases. "Very limited" (numerical value for the most restrictive feature = 1.00) indicates that the soil has one or more very limiting features that can only be overcome with special planning, major soil modification, special design, or significant management practices.

Lesser soil restrictive features have a lower numerical value than the maximum used to rate the soil, and they are identified to provide the user with additional information about soil limitations for the specific use. Lesser soil restrictive features also need to be considered in planning, design, installation, and management.

The results of this interpretation are not designed or intended to be used in a regulatory manner.

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

Irrigation, Sprinkler (Close Spaced Drops)

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.