

APPENDIX I

Ranking of 24 Potential Pollution Sources for Each Subwatershed

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Ranking of 24 Potential Pollution Sources for Subwatershed 1 of the Upper Tuscarawas River Watershed

Identified Potential Pollution Source	Weighting Factor	Subwatershed Rating	Ranking Score
1. Industrial Land Use Areas	7	4	28
2. Trucking Activity and Related Maintenance (Including Diesel Fuel Use)	5	4	20
3. Leaking Underground Storage Tanks	4	4	16
3. Gasoline Use (Including Storage and Transportation of Gasoline)	4	4	16
4. Landfills and Dumps	7	2	14
5. Impervious Areas (e.g., Rooftops, Roads, Parking Lots, etc.)	3	4	12
6. Nurseries/Greenhouses and Landscaping Operations	5	2	10
7. Lawn and Garden/Household Maintenance Activity	3	3	9
7. Salt Storage and Seasonal Spreading of Salt	3	3	9
8. Oil and Gas Wells (i.e., Oil and Gas Production and Exploration/Drilling Activity)	4	2	8
8. Oil and Gas Pipelines (i.e., Oil and Gas Transportation)	4	2	8
9. Off-Lot (Discharging) Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	1	7
9. Failing On-Lot Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	1	7
10. Construction Sites	2	3	6
10. Polychlorinated Biphenyls (PCBs) Use (Used in Some Electrical Transformers)	2	3	6
11. Agricultural Areas	5	1	5
11. Golf Courses	5	1	5
11. Mining Activity	5	1	5
11. Excess Nutrients From Natural Sources (e.g., Geese)	5	1	5
12. Fuel Oil Use (Including Storage and Transportation of Fuel Oil)	2	2	4
12. Abandoned Drinking Water Wells	4	1	4
13. Wastewater Treatment Plants (WWTPs)	3	1	3
14. Boating Activities	2	1	2
15. Registered Underground Storage Tanks (Awaiting information to evaluate this category)	---	---	---

*Key to Pollution Potential Ratings:

1 = Virtually no potential to impair surface water and/or ground water quality.

2 = Low potential to impair surface water and/or ground water quality.

3 = Moderate potential to impair surface water and/or ground water quality.

4 = High potential to impair surface water and/or ground water quality.

5 = Very high potential to impair surface water and/or ground water quality.

**Ranking of 24 Potential Pollution Sources for
Subwatershed 2 of the Upper Tuscarawas River Watershed**

Identified Potential Pollution Source	Weighting Factor	Subwatershed Rating	Ranking Score
1. Off-Lot (Discharging) Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	4	28
1. Failing On-Lot Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	4	28
2. Industrial Land Use Areas	7	3	21
2. Landfills and Dumps	7	3	21
3. Construction Sites	6	3	18
4. Trucking Activity and Related Maintenance (Including Diesel Fuel Use)	5	3	15
4. Agricultural Areas	5	3	15
4. Golf Courses	5	3	15
5. Wastewater Treatment Plants (WWTPs)	3	4	12
5. Oil and Gas Pipelines (i.e., Oil and Gas Transportation)	4	3	12
5. Gasoline Use (Including Storage and Transportation of Gasoline)	4	3	12
6. Nurseries/Greenhouses and Landscaping Operations	5	2	10
6. Mining Activity	5	2	10
6. Excess Nutrients From Natural Sources (e.g., Geese)	5	2	10
7. Impervious Areas (e.g., Rooftops, Roads, Parking Lots, etc.)	3	3	9
7. Lawn and Garden/Household Maintenance Activity	3	3	9
7. Salt Storage and Seasonal Spreading of Salt	3	3	9
8. Oil and Gas Wells (i.e., Oil and Gas Production and Exploration/Drilling Activity)	4	2	8
8. Leaking Underground Storage Tanks	4	2	8
8. Abandoned Drinking Water Wells	4	2	8
9. Fuel Oil Use (Including Storage and Transportation of Fuel Oil)	2	2	4
9. Polychlorinated Biphenyls (PCBs) Use (Used in Some Electrical Transformers)	2	2	4
10. Boating Activities	2	1	2
11. Registered Underground Storage Tanks (Awaiting information to evaluate this category)	---	---	---

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**Ranking of 24 Potential Pollution Sources for
Subwatershed 3 of the Upper Tuscarawas River Watershed**

Identified Potential Pollution Source	Weighting Factor	Subwatershed Rating	Ranking Score
1. Off-Lot (Discharging) Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	5	35
1. Failing On-Lot Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	5	35
2. Construction Sites	6	4	24
3. Landfills and Dumps	7	3	21
4. Oil and Gas Wells (i.e., Oil and Gas Production and Exploration/Drilling Activity)	4	4	16
4. Oil and Gas Pipelines (i.e., Oil and Gas Transportation)	4	4	16
4. Leaking Underground Storage Tanks	4	4	16
4. Gasoline Use (Including Storage and Transportation of Gasoline)	4	4	16
5. Trucking Activity and Related Maintenance (Including Diesel Fuel Use)	5	3	15
5. Golf Courses	5	3	15
5. Mining Activity	5	3	15
5. Excess Nutrients From Natural Sources (e.g., Geese)	5	3	15
6. Industrial Land Use Areas	7	2	14
7. Wastewater Treatment Plants (WWTPs)	3	4	12
7. Impervious Areas (e.g., Rooftops, Roads, Parking Lots, etc.)	3	4	12
7. Lawn and Garden/Household Maintenance Activity	3	4	12
8. Agricultural Areas	5	2	10
8. Nurseries/Greenhouses and Landscaping Operations	5	2	10
9. Salt Storage and Seasonal Spreading of Salt	3	3	9
10. Abandoned Drinking Water Wells	4	2	8
11. Fuel Oil Use (Including Storage and Transportation of Fuel Oil)	2	3	6
12. Polychlorinated Biphenyls (PCBs) Use (Used in Some Electrical Transformers)	2	2	4
12. Boating Activities	2	2	4
13. Registered Underground Storage Tanks (Awaiting information to evaluate this category)	---	---	---

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**Ranking of 24 Potential Pollution Sources for
Subwatershed 4 of the Upper Tuscarawas River Watershed**

Identified Potential Pollution Source	Weighting Factor	Subwatershed Rating	Ranking Score
1. Landfills and Dumps	7	5	35
2. Construction Sites	6	4	24
3. Off-Lot (Discharging) Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	3	21
3. Failing On-Lot Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	3	21
4. Golf Courses	5	4	20
5. Trucking Activity and Related Maintenance (Including Diesel Fuel Use)	5	3	15
5. Agricultural Areas	5	3	15
5. Mining Activity	5	3	15
6. Industrial Land Use Areas	7	2	14
7. Oil and Gas Wells (i.e., Oil and Gas Production and Exploration/Drilling Activity)	4	3	12
7. Oil and Gas Pipelines (i.e., Oil and Gas Transportation)	4	3	12
7. Leaking Underground Storage Tanks	4	3	12
7. Gasoline Use (Including Storage and Transportation of Gasoline)	4	3	12
8. Nurseries/Greenhouses and Landscaping Operations	5	2	10
9. Wastewater Treatment Plants (WWTPs)	3	3	9
9. Impervious Areas (e.g., Rooftops, Roads, Parking Lots, etc.)	3	3	9
9. Lawn and Garden/Household Maintenance Activity	3	3	9
10. Abandoned Drinking Water Wells	4	2	8
11. Salt Storage and Seasonal Spreading of Salt	3	2	6
12. Excess Nutrients From Natural Sources (e.g., Geese)	5	1	5
13. Fuel Oil Use (Including Storage and Transportation of Fuel Oil)	2	2	4
13. Polychlorinated Biphenyls (PCBs) Use (Used in Some Electrical Transformers)	2	2	4
14. Boating Activities	2	1	2
15. Registered Underground Storage Tanks (Awaiting information to evaluate this category)	---	---	---

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Ranking of 24 Potential Pollution Sources for Subwatershed 5 of the Upper Tuscarawas River Watershed

Identified Potential Pollution Source	Weighting Factor	Subwatershed Rating	Ranking Score
1. Construction Sites	6	4	24
2. Off-Lot (Discharging) Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	3	21
3. Oil and Gas Pipelines (i.e., Oil and Gas Transportation)	4	4	16
4. Agricultural Areas	5	3	15
4. Mining Activity	5	3	15
5. Failing On-Lot Home/Semi-Public Sewage Disposal Systems (Septic Tanks)	7	2	14
5. Industrial Land Use Areas	7	2	14
5. Landfills and Dumps	7	2	14
6. Oil and Gas Wells (i.e., Oil and Gas Production and Exploration/Drilling Activity)	4	3	12
6. Leaking Underground Storage Tanks	4	3	12
6. Gasoline Use (Including Storage and Transportation of Gasoline)	4	3	12
7. Trucking Activity and Related Maintenance (Including Diesel Fuel Use)	5	2	10
7. Nurseries/Greenhouses and Landscaping Operations	5	2	10
7. Excess Nutrients From Natural Sources (e.g., Geese)	5	2	10
8. Wastewater Treatment Plants (WWTPs)	3	3	9
8. Impervious Areas (e.g., Rooftops, Roads, Parking Lots, etc.)	3	3	9
8. Lawn and Garden/Household Maintenance Activity	3	3	9
9. Salt Storage and Seasonal Spreading of Salt	3	3	9
9. Abandoned Drinking Water Wells	4	2	8
10. Golf Courses	5	1	5
11. Fuel Oil Use (Including Storage and Transportation of Fuel Oil)	2	2	4
12. Polychlorinated Biphenyls (PCBs) Use (Used in Some Electrical Transformers)	2	2	4
13. Boating Activities	2	1	2
14. Registered Underground Storage Tanks (Awaiting information to evaluate this category)	---	---	---

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