



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
June, 17 2026

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T12.01 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 261.4 | 384.8 |
| | Erosion Height (ft.): | 5.3 | 4.3 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 197 | 350 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M03 -C**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------|---------------|-----------------------------|----------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 1 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None |
| | Berm Length (ft.): | 0.0 | | Use: | |
| | Path Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | |
| | Road Length (ft.): | 0.0 | Overland Flow | Road Ditch | |
| | Railroad Lenth (ft.): | 0.0 | Field Ditch | Tile Drain | |
| | Development Length: | 323.9 | Other | Ub Strm Wtr Pipe | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | 4.9 | Beaver Dams: | 0 |
| | Erosion Length (ft.): | 0.0 | | Affected length (ft.): | 0.0 |
| | Erosion Height (ft.): | 0.0 | 5.2 | Migration Features | |
| | Revetment Type: | Rip-Rap | | Flood Chutes: | 0 |
| | Revetment length | 162.3 | | Neck Cutoffs: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | | Channel Avulsions: | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | | Braiding: | 0 |
| | Mass Failures: | | 5.3 | Steep Riffles and Head Cuts | |
| | Average Height (ft.): | | | Steep Riffles: | 0 |
| | Mass Failures: | None | | Head Cuts: | 0 |
| | Average Heigh (ft.): | | 5.4 | Animal Crossings: | No |
| | Gullies: | None | 5.5 | Channel Alterations | |
| | Number of Gullies | 0 | | Straightening: | Straightening |
| | Total Length of Gullies (ft.): | 0.0 | | Length (ft.): | 2,752.0 |
| | Average Height of Gullies | | | Dredging: | None |



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Reach: **M24 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 874.1 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 288.5 429.8 |
| | Erosion Height (ft.): | 3.5 3.7 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 584.0 153.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 2521 772 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 154.52 |
| | Average Height (ft.): | 25.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 25.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 741.3 |
| | Dredging: | None |



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Reach: **M07 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------|-------------|-----------------------------|----------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 0 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None |
| | | <u>Both</u> | | Use: | |
| | Berm Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | |
| | Path Length (ft.): | 0.0 | | Overland Flow | Road Ditch |
| | Road Length (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Railroad Lenth (ft.): | 0.0 | | Other | Ub Strm Wtr Pipe |
| | Development Length: | 0.0 | 4.9 | Beaver Dams: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 |
| | Erosion Length (ft.): | 61.0 | 5.2 | Migration Features | |
| | Erosion Height (ft.): | 7.0 | | Flood Chutes: | 2 |
| | Revetment Type: | Rip-Rap | | Neck Cutoffs: | 0 |
| | Revetment length | 387.6 | | Channel Avulsions: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 796 | | Braiding: | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | |
| | Mass Failures: | | | Steep Riffles: | 0 |
| | Average Height (ft.): | | | Head Cuts: | 0 |
| | Mass Failures: | None | 5.4 | Animal Crossings: | No |
| | Average Heigh (ft.): | | 5.5 | Channel Alterations | |
| | Gullies: | None | | Straightening: | Straightening |
| | Number of Gullies | 0 | | Length (ft.): | 2,145.9 |
| | Total Length of Gullies (ft.): | 0.0 | | Dredging: | None |
| | Average Height of Gullies | | | | |



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Reach: **T8.01 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 168.1 | 255.0 |
| | Erosion Height (ft.): | 3.5 | 4.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1207 | 844 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 1 |
| | Affected length (ft.): | 290.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: 4.56

Reach: T1.04 -A

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 436.4 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 333.4 | 10.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 0.0 |
| | Erosion Height (ft.): | 0.0 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 339 | 608 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 1 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 329.3 |
| | Dredging: | None |



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Reach: **T12.01 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 55.5 97.2 |
| | Erosion Height (ft.): | 5.0 4.0 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 407 246 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 61.94 |
| | Average Height (ft.): | 10.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 10.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T4.03 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 716.6 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 294.0 | 27.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,908.6 | 2,918.9 |
| | Erosion Height (ft.): | 5.5 | 5.5 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 576.7 | 374.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 6241 | 8363 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 4 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 1,196.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 2 |
| | Channel Avulsions: | 5 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 940.2 |
| | Dredging: | None |



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Reach: **T4.03 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 716.6 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 294.0 | 27.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,908.6 | 2,918.9 |
| | Erosion Height (ft.): | 5.5 | 5.5 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 576.7 | 374.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 6241 | 8363 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 1 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 1,196.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 2 |
| | Channel Avulsions: | 5 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 940.2 |
| | Dredging: | None |



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Reach: **T4.03 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 716.6 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 294.0 | 27.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,908.6 | 2,918.9 |
| | Erosion Height (ft.): | 5.5 | 5.5 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 576.7 | 374.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 6241 | 8363 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 1 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 1,196.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 2 |
| | Channel Avulsions: | 5 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 940.2 |
| | Dredging: | None |



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Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T4.04 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 340.8 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 485.3 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 389.1 512.2 |
| | Erosion Height (ft.): | 3.9 4.9 |
| | Revetment Type: | Rip-Rap None |
| | Revetment length | 21.8 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1683 2133 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 1 |
| | Affected length (ft.): | 171.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 401.4 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T5.02 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 165.1 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 215.4 | 45.3 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 205.8 | 110.0 |
| | Erosion Height (ft.): | 4.5 | 5.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length | 0.0 | 41.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 579 | 252 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 2 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 240.2 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T8.02 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-----------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 128.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 100.0 89.4 |
| | Erosion Height (ft.): | 3.7 3.9 |
| | Revetment Type: | Multiple None |
| | Revetment length | 228.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 169 514 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 139.68 |
| | Average Height (ft.): | 33.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 33.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 103.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M03 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 1,802.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 241.8 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,404.5 | 540.7 |
| | Erosion Height (ft.): | 10.0 | 9.5 |
| | Revetment Type: | Multiple | None |
| | Revetment length | 201.8 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 3 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 2 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 3.7 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M03 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------------|-----------------------------|------------------|----------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 0 | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None | |
| | | <u>Both</u> | | Use: | | |
| | Berm Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | | |
| | Path Length (ft.): | 0.0 | Overland Flow | 0 | Road Ditch | 0 |
| | Road Length (ft.): | 0.0 | Field Ditch | 1 | Tile Drain | 0 |
| | Railroad Lenth (ft.): | 0.0 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| | Development Length: | 0.0 | 4.9 | Beaver Dams: | 0 | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 | |
| | Erosion Length (ft.): | 0.0 | 5.2 | Migration Features | | |
| | Erosion Height (ft.): | 0.0 | Flood Chutes: | 0 | | |
| | Revetment Type: | None | Neck Cutoffs: | 0 | | |
| | Revetment length | 0.0 | Channel Avulsions: | 0 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | Braiding: | 0 | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | | |
| | Mass Failures: | | Steep Riffles: | 0 | | |
| | Average Height (ft.): | | Head Cuts: | 0 | | |
| | Mass Failures: | None | 5.4 | Animal Crossings: | No | |
| | Average Heigh (ft.): | | 5.5 | Channel Alterations | | |
| | Gullies: | None | Straightening: | Straightening | | |
| | Number of Gullies | 0 | Length (ft.): | 1,491.0 | | |
| | Total Length of Gullies (ft.): | 0.0 | Dredging: | None | | |
| | Average Height of Gullies | | | | | |



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SGAT Version: **4.56**

Reach: **M04 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 2,280.2 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 741.6 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 0.0 351.2 |
| | Erosion Height (ft.): | 0.0 7.0 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 1,332.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 671 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 195.65 30.4 |
| | Average Height (ft.): | 30.3 15.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 23.3 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 1 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,133.3 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M04 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|--------------------|-----------------------------|------------------|----------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 0 | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None | |
| | | <u>Both</u> | | Use: | | |
| | Berm Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | | |
| | Path Length (ft.): | 0.0 | Overland Flow | 0 | Road Ditch | 1 |
| | Road Length (ft.): | 2,280.2 | Field Ditch | 0 | Tile Drain | 0 |
| | Railroad Lenth (ft.): | 0.0 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| | Development Length: | 741.6 | 4.9 | Beaver Dams: | 0 | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 | |
| | | <u>Right</u> | 5.2 | Migration Features | | |
| | Erosion Length (ft.): | 0.0 | Flood Chutes: | 1 | | |
| | Erosion Height (ft.): | 0.0 | Neck Cutoffs: | 0 | | |
| | Revetment Type: | None | Channel Avulsions: | 0 | | |
| | | Rip-Rap | Braiding: | 0 | | |
| | Revetment length | 0.0 | 5.3 | Steep Riffles and Head Cuts | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | Steep Riffles: | 0 | | |
| | | 671 | Head Cuts: | 0 | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.4 | Animal Crossings: | No | |
| | | <u>Right</u> | 5.5 | Channel Alterations | | |
| | Mass Failures: | 195.65 | Straightening: | Straightening | | |
| | Average Height (ft.): | 30.3 | Length (ft.): | 2,133.3 | | |
| | Mass Failures: | Multiple | Dredging: | None | | |
| | Average Heigh (ft.): | 23.3 | | | | |
| | Gullies: | None | | | | |
| | Number of Gullies | 0 | | | | |
| | Total Length of Gullies (ft.): | 0.0 | | | | |
| | Average Height of Gullies | | | | | |



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SGAT Version: **4.56**

Reach: **T4.04 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 82.2 | 123.3 |
| | Erosion Height (ft.): | 6.9 | 6.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1843 | 1842 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 6 |
| | Affected length (ft.): | 240.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.02 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 102.4 370.4 |
| | Erosion Height (ft.): | 3.0 3.0 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 63.6 57.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 804 1062 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 20.45 |
| | Average Height (ft.): | 12.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 12.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T2.02 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 371.7 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 50.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 72.9 52.9 |
| | Erosion Height (ft.): | 3.3 4.0 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 191 81 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 122.72 |
| | Average Height (ft.): | 18.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 18.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 5 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 390.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 224.5 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: 4.56

Reach: M12 -0

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 3,763.7 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 131.6 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 255.8 | 274.5 |
| | Erosion Height (ft.): | 7.1 | 5.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length | 0.0 | 158.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 962 | 1053 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,527.4 |
| | Dredging: | None |



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Phase 2 - FIT - Legacy Data Report

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SGAT Version: **4.56**

Reach: **M05 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 388.8 | 479.9 |
| | Erosion Height (ft.): | 8.9 | 9.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 404 | 1318 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,226.7 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T4.03 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------|-------------|-----------------------------|----------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 0 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None |
| | | <u>Both</u> | | Use: | |
| | Berm Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | |
| | Path Length (ft.): | 0.0 | | Overland Flow | Road Ditch |
| | Road Length (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Railroad Lenth (ft.): | 0.0 | | Other | Ub Strm Wtr Pipe |
| | Development Length: | 565.2 | 4.9 | Beaver Dams: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 |
| | Erosion Length (ft.): | 686.9 | 5.2 | Migration Features | |
| | Erosion Height (ft.): | 4.5 | | Flood Chutes: | 2 |
| | Revetment Type: | Rip-Rap | | Neck Cutoffs: | 1 |
| | Revetment length | 244.6 | | Channel Avulsions: | 1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 2396 | | Braiding: | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | |
| | Mass Failures: | | | Steep Riffles: | 0 |
| | Average Height (ft.): | | | Head Cuts: | 0 |
| | Mass Failures: | None | 5.4 | Animal Crossings: | No |
| | Average Heigh (ft.): | | 5.5 | Channel Alterations | |
| | Gullies: | None | | Straightening: | Straightening |
| | Number of Gullies | 0 | | Length (ft.): | 32.0 |
| | Total Length of Gullies (ft.): | 0.0 | | Dredging: | None |
| | Average Height of Gullies | | | | |



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SGAT Version: **4.56**

Reach: **M08 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|---------------|-----------------------------|----------------------|-----------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 0 | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None | |
| | Berm Length (ft.): | 0.0 | | Use: | | |
| | Path Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | | |
| | Road Length (ft.): | 240.2 | Overland Flow | 0 | Road Ditch | 1 |
| | Railroad Lenth (ft.): | 0.0 | Field Ditch | 0 | Tile Drain | 0 |
| | Development Length: | 180.1 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| | | | 4.9 | Beaver Dams: | 0 | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 | |
| | Erosion Length (ft.): | 1,283.7 | 5.2 | Migration Features | | |
| | Erosion Height (ft.): | 4.4 | | Flood Chutes: | 1 | |
| | Revetment Type: | None | | Neck Cutoffs: | 0 | |
| | Revetment length | 0.0 | | Channel Avulsions: | 0 | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1621 | | Braiding: | 1 | |
| | | 868 | 5.3 | Steep Riffles and Head Cuts | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | | Steep Riffles: | 3 | |
| | Mass Failures: | 238.31 | | Head Cuts: | 0 | |
| | Average Height (ft.): | 25.0 | | 5.4 | Animal Crossings: | No |
| | Mass Failures: | Multiple | 5.5 | Channel Alterations | | |
| | Average Heigh (ft.): | 30.0 | | Straightening: | Straightening | |
| | Gullies: | None | | Length (ft.): | 4,813.7 | |
| | Number of Gullies | 0 | | Dredging: | None | |
| | Total Length of Gullies (ft.): | 0.0 | | | | |
| | Average Height of Gullies | | | | | |



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SGAT Version: **4.56**

Reach: **M16 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-----------------|-------------|-----------------------------|----------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 6 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None |
| | | <u>Both</u> | | Use: | |
| | Berm Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | |
| | Path Length (ft.): | 0.0 | | Overland Flow | Road Ditch |
| | Road Length (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Railroad Lenth (ft.): | 0.0 | | Other | Ub Strm Wtr Pipe |
| | Development Length: | 0.0 | 4.9 | Beaver Dams: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 |
| | Erosion Length (ft.): | 1,916.1 | 5.2 | Migration Features | |
| | Erosion Height (ft.): | 7.4 | | Flood Chutes: | 0 |
| | Revetment Type: | Rip-Rap | | Neck Cutoffs: | 3 |
| | Revetment length | 34.5 | | Channel Avulsions: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 344 | | Braiding: | 0 |
| | | 422 | 5.3 | Steep Riffles and Head Cuts | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | | Steep Riffles: | 0 |
| | Mass Failures: | 170.52 | | Head Cuts: | 0 |
| | Average Height (ft.): | 60.0 | 5.4 | Animal Crossings: | No |
| | Mass Failures: | Multiple | 5.5 | Channel Alterations | |
| | Average Heigh (ft.): | 29.0 | | Straightening: | Straightening |
| | Gullies: | None | | Length (ft.): | 4,742.9 |
| | Number of Gullies | 0 | | Dredging: | None |
| | Total Length of Gullies (ft.): | 0.0 | | | |
| | Average Height of Gullies | | | | |



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SGAT Version: **4.56**

Reach: **T2.01 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------|-------------|-----------------------------|----------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 4 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None |
| | Berm Length (ft.): | 0.0 | | Use: | |
| | Path Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | |
| | Road Length (ft.): | 249.0 | | Overland Flow | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 361.3 | | Other | Ub Strm Wtr Pipe |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | 4.9 | Beaver Dams: | 5 |
| | Erosion Length (ft.): | 747.8 | | Affected length (ft.): | 790.0 |
| | Erosion Height (ft.): | 4.0 | 5.2 | Migration Features | |
| | Revetment Type: | Rip-Rap | | Flood Chutes: | 3 |
| | Revetment length | 81.2 | | Neck Cutoffs: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 5729 | | Channel Avulsions: | 0 |
| | | 5074 | | Braiding: | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | |
| | Mass Failures: | | | Steep Riffles: | 0 |
| | Average Height (ft.): | | | Head Cuts: | 0 |
| | Mass Failures: | None | 5.4 | Animal Crossings: | Yes |
| | Average Heigh (ft.): | | 5.5 | Channel Alterations | |
| | Gullies: | None | | Straightening: | Straightening |
| | Number of Gullies | 0 | | Length (ft.): | 1,295.0 |
| | Total Length of Gullies (ft.): | 0.0 | | Dredging: | None |
| | Average Height of Gullies | | | | |



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SGAT Version: **4.56**

Reach: **T1.04 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 1,175.1 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 469.5 22.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 156.8 0.0 |
| | Erosion Height (ft.): | 3.4 0.0 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 94.7 644.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1194 1175 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 6 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 2 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 320.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,170.5 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M23 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------|----------------|--------------------|-----------------------------|---------------------------|
| 1.2 | Alluvial Fan: | None | | 4.4 | Number of Debris Jams: | 0 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> | 4.5 | Flow Regulation Type: | None |
| | Berm Length (ft.): | 0.0 | 0.0 | | Use: | |
| | Path Length (ft.): | 0.0 | 0.0 | 4.7 | Stormwater Inputs | |
| | Road Length (ft.): | 0.0 | 0.0 | Overland Flow | 0 | Road Ditch 0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | Field Ditch | 0 | Tile Drain 1 |
| | Development Length: | 0.0 | 0.0 | Other | 0 | Ub Strm Wtr Pipe 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | 4.9 | Beaver Dams: | 1 |
| | Erosion Length (ft.): | 2,119.5 | 1,171.9 | | Affected length (ft.): | 100.0 |
| | Erosion Height (ft.): | 5.2 | 4.8 | 5.2 | Migration Features | |
| | Revetment Type: | None | None | Flood Chutes: | 1 | |
| | Revetment length | 0.0 | 0.0 | Neck Cutoffs: | 0 | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 3073 | 0 | Channel Avulsions: | 0 | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> | Braiding: | 0 | |
| | Mass Failures: | | | 5.3 | Steep Riffles and Head Cuts | |
| | Average Height (ft.): | | | Steep Riffles: | 0 | |
| | Mass Failures: | None | | Head Cuts: | 0 | |
| | Average Heigh (ft.): | | | 5.4 | Animal Crossings: | Yes |
| | Gullies: | None | | 5.5 | Channel Alterations | |
| | Number of Gullies | 0 | | Straightening: | Straightening | |
| | Total Length of Gullies (ft.): | 0.0 | | Length (ft.): | 2,550.7 | |
| | Average Height of Gullies | | | Dredging: | None | |



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SGAT Version: **4.56**

Reach: **T6.02 -C**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------|-------------|-----------------------------|------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 0 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None |
| | Berm Length (ft.): | 107.1 | | Use: | |
| | Path Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | |
| | Road Length (ft.): | 0.0 | | Overland Flow | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 171.8 | | Other | Ub Strm Wtr Pipe |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | 4.9 | Beaver Dams: | 0 |
| | Erosion Length (ft.): | 116.6 | | Affected length (ft.): | 0.0 |
| | Erosion Height (ft.): | 4.0 | 5.2 | Migration Features | |
| | Revetment Type: | Rip-Rap | | Flood Chutes: | 0 |
| | Revetment length | 11.0 | | Neck Cutoffs: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 357 | | Channel Avulsions: | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | | Braiding: | 0 |
| | Mass Failures: | | 5.3 | Steep Riffles and Head Cuts | |
| | Average Height (ft.): | | | Steep Riffles: | 0 |
| | Mass Failures: | None | | Head Cuts: | 0 |
| | Average Heigh (ft.): | | 5.4 | Animal Crossings: | No |
| | Gullies: | None | 5.5 | Channel Alterations | |
| | Number of Gullies | 0 | | Straightening: | None |
| | Total Length of Gullies (ft.): | 0.0 | | Length (ft.): | 0.0 |
| | Average Height of Gullies | | | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.02 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------|-------------|-----------------------------|------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 0 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None |
| | | <u>Both</u> | | Use: | |
| | Berm Length (ft.): | 0.0 | 4.7 | Stormwater Inputs | |
| | Path Length (ft.): | 0.0 | | Overland Flow | Road Ditch |
| | Road Length (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Railroad Lenth (ft.): | 0.0 | | Other | Ub Strm Wtr Pipe |
| | Development Length: | 0.0 | 4.9 | Beaver Dams: | 0 |
| | | 17.0 | | Affected length (ft.): | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | 5.2 | Migration Features | |
| | Erosion Length (ft.): | 0.0 | | Flood Chutes: | 0 |
| | Erosion Height (ft.): | 0.0 | | Neck Cutoffs: | 0 |
| | Revetment Type: | None | | Channel Avulsions: | 1 |
| | Revetment length | 0.0 | | Braiding: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 5.3 | Steep Riffles and Head Cuts | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | | Steep Riffles: | 0 |
| | Mass Failures: | | | Head Cuts: | 0 |
| | Average Height (ft.): | | 5.4 | Animal Crossings: | No |
| | Mass Failures: | None | 5.5 | Channel Alterations | |
| | Average Heigh (ft.): | | | Straightening: | None |
| | Gullies: | None | | Length (ft.): | 0.0 |
| | Number of Gullies | 0 | | Dredging: | None |
| | Total Length of Gullies (ft.): | 0.0 | | | |
| | Average Height of Gullies | | | | |



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Black

SGAT Version: 4.56

Reach: **M29 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 5,289.4 | 4,564.2 |
| | Erosion Height (ft.): | 6.8 | 6.9 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 3117 | 4289 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 2 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 822.4 |
| | Dredging: | None |



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Black

SGAT Version: **4.56**

Reach: **M29 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> | | |
|-------------|--------------------------------|----------------|----------------|------------------------|-----------------------------|------------------|----------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 4 | | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> | 4.5 | Flow Regulation Type: | None | |
| | Berm Length (ft.): | 0.0 | 0.0 | | Use: | | |
| | Path Length (ft.): | 0.0 | 0.0 | 4.7 | Stormwater Inputs | | |
| | Road Length (ft.): | 0.0 | 0.0 | Overland Flow | 0 | Road Ditch | 0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | Field Ditch | 0 | Tile Drain | 1 |
| | Development Length: | 0.0 | 0.0 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | 4.9 | Beaver Dams: | 0 | |
| | Erosion Length (ft.): | 5,289.4 | 4,564.2 | | Affected length (ft.): | 0.0 | |
| | Erosion Height (ft.): | 6.8 | 6.9 | 5.2 | Migration Features | | |
| | Revetment Type: | None | None | Flood Chutes: | 1 | | |
| | Revetment length | 0.0 | 0.0 | Neck Cutoffs: | 0 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 3117 | 4289 | Channel Avulsions: | 0 | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> | Braiding: | 0 | | |
| | Mass Failures: | | | 5.3 | Steep Riffles and Head Cuts | | |
| | Average Height (ft.): | | | Steep Riffles: | 0 | | |
| | Mass Failures: | None | | Head Cuts: | 0 | | |
| | Average Heigh (ft.): | | | 5.4 | Animal Crossings: | Yes | |
| | Gullies: | None | | 5.5 | Channel Alterations | | |
| | Number of Gullies | 0 | | Straightening: | Straightening | | |
| | Total Length of Gullies (ft.): | 0.0 | | Length (ft.): | 822.4 | | |
| | Average Height of Gullies | | | Dredging: | None | | |



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Black

SGAT Version: **4.56**

Reach: **T2.02 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 14.8 | 0.0 |
| | Erosion Height (ft.): | 3.0 | 0.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length | 0.0 | 30.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 97 | 591 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 3 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 8 |
| | Affected length (ft.): | 1,780.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M03 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 1,802.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 565.8 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,404.5 | 540.7 |
| | Erosion Height (ft.): | 10.0 | 9.5 |
| | Revetment Type: | Multiple | None |
| | Revetment length | 364.1 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 515 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 1 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 4,246.7 |
| | Dredging: | None |



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Black

SGAT Version: **4.56**

Reach: **M03 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> | | |
|-------------|--------------------------------|-----------------|--------------|------------------------|-----------------------------|------------------|----------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 4 | | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> | 4.5 | Flow Regulation Type: | None | |
| | Berm Length (ft.): | 0.0 | 0.0 | | Use: | | |
| | Path Length (ft.): | 0.0 | 0.0 | 4.7 | Stormwater Inputs | | |
| | Road Length (ft.): | 1,802.0 | 0.0 | Overland Flow | 0 | Road Ditch | 2 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | Field Ditch | 0 | Tile Drain | 0 |
| | Development Length: | 565.8 | 0.0 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | 4.9 | Beaver Dams: | 0 | |
| | Erosion Length (ft.): | 1,404.5 | 540.7 | | Affected length (ft.): | 0.0 | |
| | Erosion Height (ft.): | 10.0 | 9.5 | 5.2 | Migration Features | | |
| | Revetment Type: | Multiple | None | Flood Chutes: | 4 | | |
| | Revetment length | 364.1 | 0.0 | Neck Cutoffs: | 0 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 515 | Channel Avulsions: | 0 | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> | Braiding: | 0 | | |
| | Mass Failures: | | | 5.3 | Steep Riffles and Head Cuts | | |
| | Average Height (ft.): | | | Steep Riffles: | 0 | | |
| | Mass Failures: | None | | Head Cuts: | 0 | | |
| | Average Heigh (ft.): | | | 5.4 | Animal Crossings: | No | |
| | Gullies: | None | | 5.5 | Channel Alterations | | |
| | Number of Gullies | 0 | | Straightening: | Straightening | | |
| | Total Length of Gullies (ft.): | | | Length (ft.): | 4,246.7 | | |
| | Average Height of Gullies | | | Dredging: | None | | |