



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
June, 17 2026

Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: **4.56**

Reach: **M14 -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: | 64.3 | 129.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 274.8 | 217.5 |
| | Erosion Height (ft.): | 4.0 | 4.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 127.3 | 62.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 494 | 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | Straightening |
| | Length (ft.): | 648.7 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M14 -D**

| <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.): | 410.8 | | Overland Flow | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 551.8 | | 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 | 247.9 | | 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 | | | Straightening: | Straightening |
| | Total Length of Gullies (ft.): | | | Length (ft.): | 558.2 |
| | Average Height of Gullies | | | Dredging: | None |



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SGAT Version: 4.56

Reach: T8.02 -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.): | 594.2 | 593.8 |
| | 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> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 42.71 | |
| | Average Height (ft.): | 20.0 | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,746.3 |
| | Dredging: | None |



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SGAT Version: 4.56

Reach: T4.04 -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.): | 80.2 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 1,833.5 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 633.5 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 323.2 | 469.4 |
| | Erosion Height (ft.): | 10.5 | 9.8 |
| | Revetment Type: | None | Multiple |
| | Revetment length | 0.0 | 787.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 2660 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 39.32 | |
| | Average Height (ft.): | 30.0 | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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 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: | 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: | Straightening |
| | Length (ft.): | 593.6 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.03 -D**

| <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.): | 54.6 | 4.7 | Stormwater Inputs | |
| | Path Length (ft.): | 0.0 | | Overland Flow | Road Ditch |
| | Road Length (ft.): | 565.3 | | 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.): | 0.0 | 5.2 | Migration Features | |
| | Erosion Height (ft.): | 0.0 | | Flood Chutes: | 0 |
| | Revetment Type: | Multiple | | Neck Cutoffs: | 0 |
| | Revetment length | 319.4 | | Channel Avulsions: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 46 | | 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 | | | Length (ft.): | 178.5 |
| | Total Length of Gullies (ft.): | | | Dredging: | None |
| | Average Height of Gullies | | | | |



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Reach: **M13 -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 | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 0.0 | 0.0 | | Other | Ub Strm Wtr Pipe |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | 4.9 | Beaver Dams: | 0 |
| | Erosion Length (ft.): | 577.7 | 671.9 | | Affected length (ft.): | 0.0 |
| | Erosion Height (ft.): | 6.0 | 5.0 | 5.2 | Migration Features | |
| | Revetment Type: | None | Rip-Rap | | Flood Chutes: | 0 |
| | Revetment length | 0.0 | 41.8 | | Neck Cutoffs: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 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: | No |
| | Gullies: | None | | 5.5 | Channel Alterations | |
| | Number of Gullies | | | | Straightening: | Straightening |
| | Total Length of Gullies (ft.): | | | | Length (ft.): | 1,155.4 |
| | Average Height of Gullies | | | | Dredging: | None |



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Reach: **M20 -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.): | 303.6 | 0.0 | | Use: | | |
| | Path Length (ft.): | 0.0 | 0.0 | 4.7 | Stormwater Inputs | | |
| | Road Length (ft.): | 205.0 | 0.0 | Overland Flow | 0 | Road Ditch | 0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | Field Ditch | 1 | Tile Drain | 0 |
| | Development Length: | 0.0 | 178.5 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | 4.9 | Beaver Dams: | 4 | |
| | Erosion Length (ft.): | 873.5 | 1,533.5 | | Affected length (ft.): | 1,530.0 | |
| | Erosion Height (ft.): | 3.7 | 3.7 | 5.2 | Migration Features | | |
| | Revetment Type: | Multiple | Multiple | Flood Chutes: | 4 | | |
| | Revetment length | 463.3 | 497.2 | Neck Cutoffs: | 0 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 331 | 212 | 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: | 10 | | |
| | Mass Failures: | None | | Head Cuts: | 0 | | |
| | Average Heigh (ft.): | | | 5.4 | Animal Crossings: | No | |
| | Gullies: | None | | 5.5 | Channel Alterations | | |
| | Number of Gullies | | | Straightening: | Straightening | | |
| | Total Length of Gullies (ft.): | | | Length (ft.): | 1,390.6 | | |
| | Average Height of Gullies | | | Dredging: | Dredging | | |



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SGAT Version: 4.56

Reach: M11 -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.): | 1,345.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 261.4 364.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 106.6 512.7 |
| | Erosion Height (ft.): | 4.0 4.6 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 1,014.5 301.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1187 824 |
| 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 | |
| | Total Length of Gullies (ft.): | |
| | 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: | Small Bypass |
| | Use: | Hydro-electric |
| 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: | 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: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,085.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.04 -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.): | 252.6 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: | 195.6 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 71.9 246.0 |
| | Erosion Height (ft.): | 4.6 6.4 |
| | Revetment Type: | Rip-Rap None |
| | Revetment length | 83.3 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 351 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 | |
| | Total Length of Gullies (ft.): | |
| | 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: T6.05 -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.): | 59.7 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 1,872.7 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 552.9 | 166.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 657.6 | 359.3 |
| | Erosion Height (ft.): | 5.3 | 3.9 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 317.6 | 876.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 762 | 1823 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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 4 |
| | 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: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,325.4 |
| | Dredging: | None |



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Little River

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Reach: T6.05 -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.): | 59.7 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 1,872.7 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 552.9 | 166.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 657.6 | 359.3 |
| | Erosion Height (ft.): | 5.3 | 3.9 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 317.6 | 876.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 762 | 1823 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 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: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,325.4 |
| | Dredging: | None |



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Little River

SGAT Version: **4.56**

Reach: **M12 -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: | 397.5 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 339.5 | 207.4 |
| | 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> | 0 | 373 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | Straightening |
| | Length (ft.): | 564.8 |
| | Dredging: | None |



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Little River

SGAT Version: **4.56**

Reach: **M18 -C**

| <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 | 50.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,376.6 | 1,270.9 |
| | Erosion Height (ft.): | 5.1 | 5.1 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 94.7 | 84.8 |
| 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: | 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: | 1 |
| | Channel Avulsions: | 1 |
| | 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.): | 81.6 |
| | Dredging: | None |



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SGAT Version: 4.56

Reach: **M12 -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.): | 334.6 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 984.6 | 296.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 413.7 | 621.5 |
| | Erosion Height (ft.): | 4.0 | 5.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 105.6 | 156.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 362 | 839 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,969.2 |
| | Dredging: | None |



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Little River

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.): | 1,000.1 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 159.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 1,074.6 602.0 |
| | Erosion Height (ft.): | 5.1 3.6 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 80.0 583.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 105 716 |
| 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 | |
| | Total Length of Gullies (ft.): | |
| | 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: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 9 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 1,153.7 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.03 -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> | <u>Both</u> | 4.5 | Flow Regulation Type: | None | |
| | Berm Length (ft.): | 180.2 | 0.0 | | Use: | | |
| | Path Length (ft.): | 0.0 | 0.0 | 4.7 | Stormwater Inputs | | |
| | Road Length (ft.): | 747.1 | 0.0 | Overland Flow | 0 | Road Ditch | 2 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | Field Ditch | 0 | Tile Drain | 0 |
| | Development Length: | 481.3 | 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.): | 359.1 | 349.1 | | Affected length (ft.): | 0.0 | |
| | Erosion Height (ft.): | 7.2 | 7.7 | 5.2 | Migration Features | | |
| | Revetment Type: | Rip-Rap | None | Flood Chutes: | 2 | | |
| | Revetment length | 362.4 | 0.0 | Neck Cutoffs: | 0 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 565 | 0 | Channel Avulsions: | 0 | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> | Braiding: | 0 | | |
| | Mass Failures: | 60.46 | | 5.3 | Steep Riffles and Head Cuts | | |
| | Average Height (ft.): | 18.6 | | 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 | | | Straightening: | Straightening | | |
| | Total Length of Gullies (ft.): | | | Length (ft.): | 450.0 | | |
| | Average Height of Gullies | | | Dredging: | Gravel Mining | | |



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SGAT Version: 4.56

Reach: **M06 -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.): | 1,002.9 | 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.): | 0.0 | 126.7 |
| | Erosion Height (ft.): | 0.0 | 2.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 648 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | Straightening |
| | Length (ft.): | 1,803.3 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M15 -C**

| <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 | 9.2 |
| 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: | Rip-Rap | Rip-Rap |
| | Revetment length | 426.3 | 241.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 110 | 16 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 50.47 | |
| | Average Height (ft.): | 20.0 | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | Straightening |
| | Length (ft.): | 709.7 |
| | Dredging: | None |



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Little River

SGAT Version: 4.56

Reach: **M18 -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.): | 739.2 | 514.2 |
| | Erosion Height (ft.): | 5.0 | 4.7 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 554 | 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 2 |
| | 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.): | 498.8 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M09 -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.): | 1,030.2 | | Overland Flow | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 750.9 | | Other | Ub Strm Wtr Pipe |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | 4.9 | Beaver Dams: | 0 |
| | Erosion Length (ft.): | 792.5 | | Affected length (ft.): | 0.0 |
| | Erosion Height (ft.): | 6.6 | 5.2 | Migration Features | |
| | Revetment Type: | Rip-Rap | | Flood Chutes: | 1 |
| | Revetment length | 152.5 | | Neck Cutoffs: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 153 | | Channel Avulsions: | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | | Braiding: | 0 |
| | Mass Failures: | 182.3 | 5.3 | Steep Riffles and Head Cuts | |
| | Average Height (ft.): | 12.0 | | Steep Riffles: | 1 |
| | Mass Failures: | None | | Head Cuts: | 0 |
| | Average Heigh (ft.): | | 5.4 | Animal Crossings: | No |
| | Gullies: | None | 5.5 | Channel Alterations | |
| | Number of Gullies | | | Straightening: | Straightening |
| | Total Length of Gullies (ft.): | | | Length (ft.): | 1,387.7 |
| | Average Height of Gullies | | | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M10 -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.): | 91.9 | | Overland Flow | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 456.2 | | Other | Ub Strm Wtr Pipe |
| | | 718.3 | 4.9 | Beaver Dams: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 |
| | Erosion Length (ft.): | 140.2 | 5.2 | Migration Features | |
| | Erosion Height (ft.): | 6.0 | | Flood Chutes: | 1 |
| | Revetment Type: | Rip-Rap | | Neck Cutoffs: | 0 |
| | Revetment length | 466.1 | | Channel Avulsions: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 197 | | Braiding: | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | |
| | Mass Failures: | | | Steep Riffles: | 1 |
| | 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 | | | Length (ft.): | 955.2 |
| | Total Length of Gullies (ft.): | | | Dredging: | None |
| | Average Height of Gullies | | | | |



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Little River

SGAT Version: **4.56**

Reach: **M14 -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.): | 478.7 | 108.5 |
| | Erosion Height (ft.): | 5.4 | 4.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length | 0.0 | 143.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 427 | 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M19 -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> | <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 | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 0.0 | 0.0 | | Other | Ub Strm Wtr Pipe |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | 4.9 | Beaver Dams: | 0 |
| | Erosion Length (ft.): | 539.8 | 420.6 | | Affected length (ft.): | 0.0 |
| | Erosion Height (ft.): | 4.7 | 4.3 | 5.2 | Migration Features | |
| | Revetment Type: | None | None | | Flood Chutes: | 2 |
| | Revetment length | 0.0 | 0.0 | | Neck Cutoffs: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 285 | 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: | 3 |
| | Mass Failures: | None | | | Head Cuts: | 0 |
| | Average Heigh (ft.): | | | 5.4 | Animal Crossings: | No |
| | Gullies: | None | | 5.5 | Channel Alterations | |
| | Number of Gullies | | | | Straightening: | None |
| | Total Length of Gullies (ft.): | | | | Length (ft.): | 0.0 |
| | Average Height of Gullies | | | | Dredging: | None |



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Little River

SGAT Version: **4.56**

Reach: **M15 -D**

| <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 | 80.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 97.7 |
| | Erosion Height (ft.): | 0.0 | 5.5 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 438.1 | 130.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 169 | 610 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 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: | Straightening |
| | Length (ft.): | 38.8 |
| | Dredging: | None |



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Little River

SGAT Version: **4.56**

Reach: **M21 -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 | 43.1 |
| 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: | Multiple | Multiple |
| | Revetment length | 97.9 | 114.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 56 | 68 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 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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Little River

SGAT Version: **4.56**

Reach: **M15 -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.): | 214.8 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 1,181.4 | 580.9 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 1,073.2 | 679.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 288.6 |
| | Erosion Height (ft.): | 0.0 | 10.0 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 1,649.0 | 518.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 516 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | Small Bypass |
| | Use: | Other |
| 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: | 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.): | 2,067.5 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: 4.56

Reach: **M15 -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.): | 214.8 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 1,181.4 580.9 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 1,073.2 679.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 0.0 288.6 |
| | Erosion Height (ft.): | 0.0 10.0 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 1,649.0 518.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 516 |
| 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 | |
| | Total Length of Gullies (ft.): | |
| | 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: | Small Bypass |
| | Use: | Other |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 4 |
| | 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: | 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.): | 2,067.5 |
| | Dredging: | None |



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Little River

SGAT Version: 4.56

Reach: T6.07 -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.): | 51.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 1,662.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 63.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 170.1 320.9 |
| | Erosion Height (ft.): | 4.3 8.5 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 211.3 72.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 43 45 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 78.64 |
| | Average Height (ft.): | 24.6 |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | |
| | Total Length of Gullies (ft.): | |
| | 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: | Small Run of River |
| | Use: | Other |
| 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: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,201.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: 4.56

Reach: **M06 -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.): | 1,454.1 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 108.5 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 2,040.8 | 1,834.7 |
| | Erosion Height (ft.): | 5.1 | 5.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 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: | 174.98 | 165.07 |
| | Average Height (ft.): | 8.0 | 12.0 |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 3,029.7 |
| | Dredging: | Gravel Mining |



Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: 4.56

Reach: **M07 -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: | 150.4 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 653.7 | 963.1 |
| | Erosion Height (ft.): | 4.4 | 4.1 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 367 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 506.3 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: 4.56

Reach: **M16 -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: | 474.6 | 79.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,042.1 | 683.5 |
| | Erosion Height (ft.): | 4.4 | 4.5 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 270.4 | 301.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 568 | 410 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 2 |
| | Affected length (ft.): | 850.0 |
| 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.): | 294.7 |
| | Dredging: | None |



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Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: **4.56**

Reach: **M17 -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.): | 1,232.1 | 1,157.2 |
| | Erosion Height (ft.): | 4.8 | 4.8 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 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: | 34.66 | |
| | Average Height (ft.): | 15.0 | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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.): | 70.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | 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: **T6.03 -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.): | 535.6 | 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.): | 0.0 | 167.7 |
| | Erosion Height (ft.): | 0.0 | 4.0 |
| | Revetment Type: | Rip-Rap | None |
| | Revetment length | 476.4 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 497 | 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | Straightening |
| | Length (ft.): | 490.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T8.02 -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.): | 355.1 | 757.2 |
| | Erosion Height (ft.): | 4.1 | 3.3 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 256 | 1090 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 31.33 | |
| | Average Height (ft.): | 30.0 | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 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.): | 1,156.6 |
| | Dredging: | None |



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Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: **4.56**

Reach: **M14 -C**

| <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.): | 1,420.7 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 229.1 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,035.6 | 1,781.7 |
| | Erosion Height (ft.): | 5.4 | 4.1 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 175.8 | 394.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 808 | 1809 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,340.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: 4.56

Reach: T6.03 -C

| <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.): | 359.9 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 51.5 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 335.7 | 126.2 |
| | Erosion Height (ft.): | 5.5 | 5.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 1 |
| | 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: **T8.01 -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 | 2 | Tile Drain | 0 |
| | Railroad Lenth (ft.): | 0.0 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| | Development Length: | 0.0 | 4.9 | Beaver Dams: | 1 | |
| | | 177.0 | | Affected length (ft.): | 30.0 | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | 5.2 | Migration Features | | |
| | Erosion Length (ft.): | 1,135.3 | | Flood Chutes: | 1 | |
| | Erosion Height (ft.): | 4.5 | | Neck Cutoffs: | 0 | |
| | Revetment Type: | Rip-Rap | | Channel Avulsions: | 1 | |
| | Revetment length | 134.2 | | Braiding: | 0 | |
| | | 803.3 | 5.3 | Steep Riffles and Head Cuts | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1145 | | Steep Riffles: | 4 | |
| | | 637 | | Head Cuts: | 0 | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.4 | Animal Crossings: | No | |
| | Mass Failures: | | 5.5 | Channel Alterations | | |
| | Average Height (ft.): | | | Straightening: | Straightening | |
| | Mass Failures: | None | | Length (ft.): | 1,256.9 | |
| | Average Heigh (ft.): | | | Dredging: | Dredging | |
| | Gullies: | None | | | | |
| | Number of Gullies | | | | | |
| | Total Length of Gullies (ft.): | | | | | |
| | Average Height of Gullies | | | | | |



Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: 4.56

Reach: T6.02 -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.): | 2,072.3 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 182.5 | 82.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 141.7 | 78.9 |
| | Erosion Height (ft.): | 5.7 | 5.6 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 50.6 | 61.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 191 | 127 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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 | 0 |
| | Other | 1 |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.02 -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 | 3 |
| | Road Length (ft.): | 2,072.3 | Field Ditch | 0 | Tile Drain | 0 |
| | Railroad Lenth (ft.): | 0.0 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| | Development Length: | 182.5 | 4.9 | Beaver Dams: | 0 | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 0.0 | |
| | Erosion Length (ft.): | 141.7 | 5.2 | Migration Features | | |
| | Erosion Height (ft.): | 5.7 | Flood Chutes: | 1 | | |
| | Revetment Type: | Rip-Rap | Neck Cutoffs: | 0 | | |
| | Revetment length | 50.6 | Channel Avulsions: | 0 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 191 | 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: | None | | |
| | Number of Gullies | | Length (ft.): | 0.0 | | |
| | Total Length of Gullies (ft.): | | Dredging: | None | | |
| | Average Height of Gullies | | | | | |



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SGAT Version: 4.56

Reach: T4.05 -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.): | 313.1 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 362.9 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 69.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 63.0 78.2 |
| | Erosion Height (ft.): | 21.1 5.2 |
| | Revetment Type: | Multiple Rip-Rap |
| | Revetment length | 99.0 61.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 52 50 |
| 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 | |
| | Total Length of Gullies (ft.): | |
| | 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: | Small Run of River |
| | Use: | Recreation |
| 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: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 5 |
| | 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.): | 354.4 |
| | Dredging: | None |



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Agency of Natural Resources



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June, 17 2026

Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: **4.56**

Reach: **T4.02 -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.): | 333.3 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 553.9 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 982.9 | 107.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,549.8 | 1,082.3 |
| | Erosion Height (ft.): | 4.3 | 4.7 |
| | Revetment Type: | Multiple | Rip-Rap |
| | Revetment length | 612.2 | 165.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 480 | 85 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 32.38 | |
| | Average Height (ft.): | 20.0 | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 6 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 17 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,778.8 |
| | Dredging: | None |



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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.): | 1,750.4 | | Overland Flow | Road Ditch |
| | Railroad Lenth (ft.): | 0.0 | | Field Ditch | Tile Drain |
| | Development Length: | 704.8 | | Other | Ub Strm Wtr Pipe |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | 4.9 | Beaver Dams: | 0 |
| | Erosion Length (ft.): | 1,167.2 | | Affected length (ft.): | 0.0 |
| | Erosion Height (ft.): | 5.3 | 5.2 | Migration Features | |
| | Revetment Type: | Rip-Rap | | Flood Chutes: | 0 |
| | Revetment length | 43.7 | | Neck Cutoffs: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 508 | | 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: | 3 |
| | Mass Failures: | None | | Head Cuts: | 0 |
| | Average Heigh (ft.): | | 5.4 | Animal Crossings: | No |
| | Gullies: | None | 5.5 | Channel Alterations | |
| | Number of Gullies | | | Straightening: | Straightening |
| | Total Length of Gullies (ft.): | | | Length (ft.): | 2,375.7 |
| | Average Height of Gullies | | | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T4.03 -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.): | 1,915.6 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 350.8 | 39.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 387.3 | 347.2 |
| | Erosion Height (ft.): | 4.8 | 7.9 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length | 0.0 | 292.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 241 | 215 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,233.3 |
| | Dredging: | None |



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SGAT Version: 4.56

Reach: **M16 -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: | 324.9 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,755.4 | 1,721.6 |
| | Erosion Height (ft.): | 3.8 | 4.2 |
| | Revetment Type: | Rip-Rap | None |
| | Revetment length | 150.6 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 232 | 1362 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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.): | 200.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 1 |
| | 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.): | 127.3 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.06 -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.): | 267.2 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 227.7 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 271.6 | 15.7 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 92.6 | 0.0 |
| | Erosion Height (ft.): | 3.0 | 0.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 273.8 | 3.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 138 | 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 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: | 1 |
| | 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: T4.01 -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.): | 115.4 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 2,134.9 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 64.3 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 318.9 506.2 |
| | Erosion Height (ft.): | 5.6 4.2 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 34.7 207.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 74 679 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 116.81 43.41 |
| | Average Height (ft.): | 20.0 12.0 |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | |
| | Total Length of Gullies (ft.): | |
| | 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: | 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: | 7 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 776.3 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **M18 -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 | 54.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 123.9 | 46.5 |
| | Erosion Height (ft.): | 4.0 | 4.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 189.6 | 96.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 39 | 235 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 499.9 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T6.06 -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.): | 299.1 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 666.2 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 197.7 42.7 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 543.0 732.8 |
| | Erosion Height (ft.): | 6.6 5.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 486.4 188.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 315 388 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 41.57 |
| | Average Height (ft.): | 80.0 |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | |
| | Total Length of Gullies (ft.): | |
| | 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: | Small Bypass |
| | Use: | Recreation |
| 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: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | 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: | With Windrowing |
| | Length (ft.): | 1,332.5 |
| | Dredging: | None |



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SGAT Version: **4.56**

Reach: **T8.03 -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.): | 410.4 | 5.2 | Migration Features | |
| | Erosion Height (ft.): | 3.3 | | Flood Chutes: | 2 |
| | 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 |
| | | 491 | 5.3 | Steep Riffles and Head Cuts | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | | Steep Riffles: | 5 |
| | Mass Failures: | | | Head Cuts: | 0 |
| | Average Height (ft.): | | 5.4 | Animal Crossings: | No |
| | Mass Failures: | None | 5.5 | Channel Alterations | |
| | Average Heigh (ft.): | | | Straightening: | Straightening |
| | Gullies: | None | | Length (ft.): | 965.8 |
| | Number of Gullies | | | Dredging: | None |
| | Total Length of Gullies (ft.): | | | | |
| | Average Height of Gullies | | | | |



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SGAT Version: **4.56**

Reach: **M19 -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.): | 433.0 | 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: | 974.5 | 4.9 | Beaver Dams: | 2 | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Affected length (ft.): | 470.0 | |
| | Erosion Length (ft.): | 1,521.1 | 5.2 | Migration Features | | |
| | Erosion Height (ft.): | 3.3 | Flood Chutes: | 2 | | |
| | Revetment Type: | Multiple | Neck Cutoffs: | 0 | | |
| | Revetment length | 815.7 | Channel Avulsions: | 1 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1791 | Braiding: | 0 | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | | |
| | Mass Failures: | | Steep Riffles: | 17 | | |
| | 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 | | Length (ft.): | 415.2 | | |
| | Total Length of Gullies (ft.): | | Dredging: | Dredging, Gravel Mining | | |
| | Average Height of Gullies | | | | | |



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SGAT Version: 4.56

Reach: **M16 -C**

| <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 | 91.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,643.9 | 1,502.2 |
| | Erosion Height (ft.): | 4.9 | 5.1 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 54.0 | 149.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 152 | 399 |
| 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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.): | 300.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 1 |
| | 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: | Straightening |
| | Length (ft.): | 171.4 |
| | Dredging: | None |



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
June, 17 2026

Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: **4.56**

Reach: **M21 -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.): | 471.9 | 4.7 | Stormwater Inputs | | |
| | Path Length (ft.): | 0.0 | Overland Flow | 0 | Road Ditch | 1 |
| | Road Length (ft.): | 1,196.8 | Field Ditch | 0 | 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.): | 843.6 | 5.2 | Migration Features | | |
| | Erosion Height (ft.): | 4.6 | | Flood Chutes: | 0 | |
| | Revetment Type: | Rip-Rap | | Neck Cutoffs: | 0 | |
| | Revetment length | 137.0 | | Channel Avulsions: | 0 | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 134 | | Braiding: | 0 | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | | |
| | Mass Failures: | | | Steep Riffles: | 4 | |
| | 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 | | | Length (ft.): | 1,303.9 | |
| | Total Length of Gullies (ft.): | | | Dredging: | Dredging | |
| | Average Height of Gullies | | | | | |



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
June, 17 2026

Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: **4.56**

Reach: **M15 -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.): | 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> | 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 | | |
| | Total Length of Gullies (ft.): | | |
| | 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 |



Stream Geomorphic Assessment

Agency of Natural Resources



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Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: **4.56**

Reach: **T6.01 -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: | 0 | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.5 | Flow Regulation Type: | None | |
| | | <u>Both</u> | | Use: | | |
| | Berm Length (ft.): | 1,507.9 | 4.7 | Stormwater Inputs | | |
| | Path Length (ft.): | 0.0 | Overland Flow | 0 | Road Ditch | 3 |
| | Road Length (ft.): | 1,356.5 | Field Ditch | 0 | Tile Drain | 0 |
| | Railroad Lenth (ft.): | 0.0 | Other | 0 | Ub Strm Wtr Pipe | 0 |
| | Development Length: | 1,395.5 | 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: | 2 | | |
| | Revetment Type: | Multiple | Neck Cutoffs: | 0 | | |
| | Revetment length | 747.5 | Channel Avulsions: | 0 | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1293 | Braiding: | 0 | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | 5.3 | Steep Riffles and Head Cuts | | |
| | Mass Failures: | | Steep Riffles: | 1 | | |
| | 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 | | Length (ft.): | 1,783.8 | | |
| | Total Length of Gullies (ft.): | | Dredging: | Dredging | | |
| | Average Height of Gullies | | | | | |



Phase 2 - FIT - Legacy Data Report

Little River

SGAT Version: 4.56

Reach: T8.01 -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 | 28.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 223.5 | 442.8 |
| | Erosion Height (ft.): | 3.6 | 3.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 5.9 | 149.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 951 | 951 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 67.62 | |
| | Average Height (ft.): | 30.0 | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | 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: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 434.5 |
| | Dredging: | Dredging |