



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.07 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>489.3</b> | <b>169.2</b> |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>241.2</b> | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>558</b>   | <b>525</b>   |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Number of Gullies              | <b>0</b>     |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |              |
|             | Average Height of Gullies      |              |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>2</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>7</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>2</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>732.9</b>         |
|             | Dredging:                   | <b>None</b>          |



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Reach: **M14S2.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                 |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>     |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>187.7</b>    | <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Development Length:            | <b>200.9</b>    | <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>138.2</b>    | <b>172.9</b>    |
|             | Erosion Height (ft.):          | <b>2.6</b>      | <b>12.9</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b>  | <b>None</b>     |
|             | Revetment length               | <b>65.6</b>     | <b>0.0</b>      |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>        | <b>0</b>        |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>    |
|             | Mass Failures:                 | <b>15.43017</b> | <b>13.19697</b> |
|             | Average Height (ft.):          | <b>10.0</b>     | <b>10.0</b>     |
|             | Mass Failures:                 | <b>Multiple</b> |                 |
|             | Average Heigh (ft.):           | <b>10.0</b>     |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | Number of Gullies              | <b>0</b>        |                 |
|             | Total Length of Gullies (ft.): | <b>0.0</b>      |                 |
|             | Average Height of Gullies      |                 |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>2</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>2</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>8</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>3</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>None</b>               |
|             | Length (ft.):               | <b>0.0</b>                |
|             | Dredging:                   | <b>None</b>               |



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Reach: **M04S3.01 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>652.2</b> <b>0.0</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>574.4</b> <b>0.0</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>0.0</b> <b>20.9</b>        |
|             | Erosion Height (ft.):          | <b>0.0</b> <b>4.0</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>21.8</b> <b>44.2</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b> <b>1057</b>          |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>65.1</b>                   |
|             | Average Height (ft.):          | <b>50.0</b>                   |
|             | Mass Failures:                 | <b>One</b>                    |
|             | Average Heigh (ft.):           | <b>50.0</b>                   |
|             | Gullies:                       | <b>None</b>                   |
|             | 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:      | <b>5</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>1</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>0</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>1</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,049.1</b>            |
|             | Dredging:                   | <b>None</b>               |



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Reach: **M04S3.01 -D**

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



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Wells River

SGAT Version: 4.56

Reach: **M11T1.06 -A**

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

| <u>Step</u> | <u>Description</u>          | <u>Value</u>     |
|-------------|-----------------------------|------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>         |
| 4.5         | Flow Regulation Type:       | <b>None</b>      |
|             | Use:                        |                  |
| 4.7         | Stormwater Inputs           |                  |
|             | Overland Flow               | Road Ditch       |
|             | Field Ditch                 | Tile Drain       |
|             | Other                       | Ub Strm Wtr Pipe |
| 4.9         | Beaver Dams:                | <b>2</b>         |
|             | Affected length (ft.):      | <b>500.0</b>     |
| 5.2         | Migration Features          |                  |
|             | Flood Chutes:               | <b>0</b>         |
|             | Neck Cutoffs:               | <b>0</b>         |
|             | Channel Avulsions:          | <b>0</b>         |
|             | Braiding:                   | <b>0</b>         |
| 5.3         | Steep Riffles and Head Cuts |                  |
|             | Steep Riffles:              | <b>0</b>         |
|             | Head Cuts:                  | <b>0</b>         |
| 5.4         | Animal Crossings:           | <b>No</b>        |
| 5.5         | Channel Alterations         |                  |
|             | Straightening:              | <b>None</b>      |
|             | Length (ft.):               | <b>0.0</b>       |
|             | Dredging:                   | <b>None</b>      |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.04 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Path Length (ft.):             | <b>175.8</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>1,321.5</b> <b>212.8</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>59.9</b> <b>0.0</b>          |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>44.2</b> <b>0.0</b>          |
|             | Erosion Height (ft.):          | <b>3.0</b> <b>0.0</b>           |
|             | Revetment Type:                | <b>Hard Bank</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>14.6</b> <b>52.6</b>         |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b> <b>0</b>               |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 | <b>30.16386</b>                 |
|             | Average Height (ft.):          | <b>10.0</b>                     |
|             | Mass Failures:                 | <b>One</b>                      |
|             | Average Heigh (ft.):           | <b>10.0</b>                     |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>5</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>2</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>11</b>                 |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>2</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>1</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>474.4</b>              |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.03 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>478.8</b>   | <b>173.2</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>     | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>0.0</b>     | <b>103.8</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>     | <b>3.2</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>78.6</b>    | <b>287.3</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>137</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): |                |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>15</b>                 |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>3</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>3</b>                  |
|             | Affected length (ft.):      | <b>370.0</b>              |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>5</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>5</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>2</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>327.7</b>              |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M21 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>524.5</b>   | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>1,373.5</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>439.7</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>206.5</b>   | <b>334.7</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>464</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>3</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>3</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>2</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,368.1</b>            |
|             | Dredging:                   | <b>None</b>               |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.08 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>122.3</b> | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Number of Gullies              | <b>0</b>     |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |              |
|             | Average Height of Gullies      |              |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                   |
|-------------|-----------------------------|--------------------------------|
| 4.4         | Number of Debris Jams:      | <b>2</b>                       |
| 4.5         | Flow Regulation Type:       | <b>Small Store and Release</b> |
|             | Use:                        | <b>Recreation</b>              |
| 4.7         | Stormwater Inputs           |                                |
|             | Overland Flow               | Road Ditch                     |
|             | Field Ditch                 | Tile Drain                     |
|             | Other                       | Ub Strm Wtr Pipe               |
| 4.9         | Beaver Dams:                | <b>2</b>                       |
|             | Affected length (ft.):      | <b>300.0</b>                   |
| 5.2         | Migration Features          |                                |
|             | Flood Chutes:               | <b>2</b>                       |
|             | Neck Cutoffs:               | <b>0</b>                       |
|             | Channel Avulsions:          | <b>0</b>                       |
|             | Braiding:                   | <b>2</b>                       |
| 5.3         | Steep Riffles and Head Cuts |                                |
|             | Steep Riffles:              | <b>0</b>                       |
|             | Head Cuts:                  | <b>0</b>                       |
| 5.4         | Animal Crossings:           | <b>No</b>                      |
| 5.5         | Channel Alterations         |                                |
|             | Straightening:              | <b>Straightening</b>           |
|             | Length (ft.):               | <b>71.3</b>                    |
|             | Dredging:                   | <b>None</b>                    |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M12S2.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>41.1</b> <b>0.0</b>        |
|             | Path Length (ft.):             | <b>30.1</b> <b>0.0</b>        |
|             | Road Length (ft.):             | <b>3,018.4</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>696.9</b> <b>0.0</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>1,174.8</b> <b>1,640.3</b> |
|             | Erosion Height (ft.):          | <b>3.0</b> <b>2.9</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>42.0</b> <b>1,215.9</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1181</b> <b>2451</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>104.785</b>                |
|             | Average Height (ft.):          | <b>11.0</b>                   |
|             | Mass Failures:                 | <b>Multiple</b>               |
|             | Average Heigh (ft.):           | <b>11.0</b>                   |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>41</b>                 |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>6</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>34</b>                 |
|             | Neck Cutoffs:               | <b>1</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>2</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>17</b>                 |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>With Windrowing</b>    |
|             | Length (ft.):               | <b>600.4</b>              |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M12S2.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>41.1</b> <b>0.0</b>        |
|             | Path Length (ft.):             | <b>30.1</b> <b>0.0</b>        |
|             | Road Length (ft.):             | <b>3,018.4</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>696.9</b> <b>0.0</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>1,174.8</b> <b>1,640.3</b> |
|             | Erosion Height (ft.):          | <b>3.0</b> <b>2.9</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>42.0</b> <b>1,215.9</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1181</b> <b>2451</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>104.785</b>                |
|             | Average Height (ft.):          | <b>11.0</b>                   |
|             | Mass Failures:                 | <b>Multiple</b>               |
|             | Average Heigh (ft.):           | <b>11.0</b>                   |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u>   | <u>Description</u>          | <u>Value</u>           |
|---------------|-----------------------------|------------------------|
| 4.4           | Number of Debris Jams:      | <b>41</b>              |
| 4.5           | Flow Regulation Type:       | <b>None</b>            |
|               | Use:                        |                        |
| 4.7           | Stormwater Inputs           |                        |
| Overland Flow | <b>1</b> Road Ditch         | <b>0</b>               |
| Field Ditch   | <b>0</b> Tile Drain         | <b>0</b>               |
| Other         | <b>0</b> Ub Strm Wtr Pipe   | <b>0</b>               |
| 4.9           | Beaver Dams:                | <b>0</b>               |
|               | Affected length (ft.):      | <b>0.0</b>             |
| 5.2           | Migration Features          |                        |
|               | Flood Chutes:               | <b>34</b>              |
|               | Neck Cutoffs:               | <b>1</b>               |
|               | Channel Avulsions:          | <b>0</b>               |
|               | Braiding:                   | <b>2</b>               |
| 5.3           | Steep Riffles and Head Cuts |                        |
|               | Steep Riffles:              | <b>17</b>              |
|               | Head Cuts:                  | <b>0</b>               |
| 5.4           | Animal Crossings:           | <b>Yes</b>             |
| 5.5           | Channel Alterations         |                        |
|               | Straightening:              | <b>With Windrowing</b> |
|               | Length (ft.):               | <b>600.4</b>           |
|               | Dredging:                   | <b>None</b>            |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M22 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                   |
|-------------|--------------------------------|--------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                    |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>         |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>          |
|             | Path Length (ft.):             | <b>494.7</b> <b>0.0</b>        |
|             | Road Length (ft.):             | <b>3,313.6</b> <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>          |
|             | Development Length:            | <b>1,205.5</b> <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>       |
|             | Erosion Length (ft.):          | <b>0.0</b> <b>0.0</b>          |
|             | Erosion Height (ft.):          | <b>0.0</b> <b>0.0</b>          |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Multiple</b> |
|             | Revetment length               | <b>298.5</b> <b>699.6</b>      |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>146</b> <b>205</b>          |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>       |
|             | Mass Failures:                 |                                |
|             | Average Height (ft.):          |                                |
|             | Mass Failures:                 | <b>None</b>                    |
|             | Average Heigh (ft.):           |                                |
|             | Gullies:                       | <b>None</b>                    |
|             | Number of Gullies              | <b>0</b>                       |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                     |
|             | Average Height of Gullies      |                                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>Small Withdrawal</b>            |
|             | Use:                        | <b>Irrigation</b>                  |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>2</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>3</b>                           |
|             | Affected length (ft.):      | <b>900.0</b>                       |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>22</b>                          |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>15</b>                          |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>2</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>Yes</b>                         |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>Straightening</b>               |
|             | Length (ft.):               | <b>2,667.3</b>                     |
|             | Dredging:                   | <b>None</b>                        |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M16S1.01 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>2,259.0</b> | <b>126.1</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>766.3</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>221.5</b>   | <b>239.3</b>   |
|             | Erosion Height (ft.):          | <b>2.7</b>     | <b>2.7</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>355.1</b>   | <b>574.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>52</b>      | <b>34</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 | <b>19.4872</b> |                |
|             | Average Height (ft.):          | <b>10.0</b>    |                |
|             | Mass Failures:                 | <b>One</b>     |                |
|             | Average Heigh (ft.):           | <b>10.0</b>    |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>53</b>                 |
| 4.5         | Flow Regulation Type:       | <b>Small Withdrawal</b>   |
|             | Use:                        | <b>Irrigation</b>         |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>2</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>2</b>                  |
|             | Affected length (ft.):      | <b>150.0</b>              |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>44</b>                 |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>8</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>3</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>2,615.3</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M16S1.01 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>2,259.0</b> | <b>126.1</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>766.3</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>221.5</b>   | <b>239.3</b>   |
|             | Erosion Height (ft.):          | <b>2.7</b>     | <b>2.7</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>355.1</b>   | <b>574.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>52</b>      | <b>34</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 | <b>19.4872</b> |                |
|             | Average Height (ft.):          | <b>10.0</b>    |                |
|             | Mass Failures:                 | <b>One</b>     |                |
|             | Average Heigh (ft.):           | <b>10.0</b>    |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>            |
|-------------|-----------------------------|-------------------------|
| 4.4         | Number of Debris Jams:      | <b>53</b>               |
| 4.5         | Flow Regulation Type:       | <b>Small Withdrawal</b> |
|             | Use:                        | <b>Irrigation</b>       |
| 4.7         | Stormwater Inputs           |                         |
|             | Overland Flow               | 0                       |
|             | Road Ditch                  | <b>8</b>                |
|             | Field Ditch                 | 0                       |
|             | Tile Drain                  | <b>0</b>                |
|             | Other                       | 0                       |
|             | Ub Strm Wtr Pipe            | <b>0</b>                |
| 4.9         | Beaver Dams:                | <b>2</b>                |
|             | Affected length (ft.):      | <b>150.0</b>            |
| 5.2         | Migration Features          |                         |
|             | Flood Chutes:               | <b>44</b>               |
|             | Neck Cutoffs:               | <b>0</b>                |
|             | Channel Avulsions:          | <b>0</b>                |
|             | Braiding:                   | <b>8</b>                |
| 5.3         | Steep Riffles and Head Cuts |                         |
|             | Steep Riffles:              | <b>3</b>                |
|             | Head Cuts:                  | <b>0</b>                |
| 5.4         | Animal Crossings:           | <b>Yes</b>              |
| 5.5         | Channel Alterations         |                         |
|             | Straightening:              | <b>Straightening</b>    |
|             | Length (ft.):               | <b>2,615.3</b>          |
|             | Dredging:                   | <b>None</b>             |



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Wells River

SGAT Version: 4.56

Reach: **M09 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>777.5</b>   | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>900.6</b>   | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>     | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>275.6</b>   | <b>318.7</b>   |
|             | Erosion Height (ft.):          | <b>4.4</b>     | <b>4.1</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>49.6</b>    | <b>46.5</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>1077</b>    |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>3</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>388.5</b>         |
|             | Dredging:                   | <b>None</b>          |



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SGAT Version: 4.56

Reach: **M04 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                |
|-------------|--------------------------------|-----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>     |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>624.9</b>    | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>3,893.2</b>  | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>      | <b>0.0</b>     |
|             | Development Length:            | <b>2,102.1</b>  | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>23.3</b>     | <b>60.9</b>    |
|             | Erosion Height (ft.):          | <b>3.0</b>      | <b>3.1</b>     |
|             | Revetment Type:                | <b>None</b>     | <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b>      | <b>583.4</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>        | <b>244</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>   |
|             | Mass Failures:                 | <b>142.65</b>   |                |
|             | Average Height (ft.):          | <b>18.5</b>     |                |
|             | Mass Failures:                 | <b>Multiple</b> |                |
|             | Average Heigh (ft.):           | <b>30.0</b>     |                |
|             | Gullies:                       | <b>None</b>     |                |
|             | 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:      | <b>0</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>2</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>None</b>               |
|             | Length (ft.):               | <b>0.0</b>                |
|             | Dredging:                   | <b>None</b>               |





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Wells River

SGAT Version: 4.56

Reach: **M05 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>562.8</b> | <b>267.9</b> |
|             | Erosion Height (ft.):          | <b>3.4</b>   | <b>4.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>4</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,792.3</b>       |
|             | Dredging:                   | <b>None</b>          |



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Wells River

SGAT Version: 4.56

Reach: **M19T4.04 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                 |
|-------------|--------------------------------|----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>1,622.7</b> | <b>291.0</b>    |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>      |
|             | Development Length:            | <b>1,113.2</b> | <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>278.0</b>   | <b>438.2</b>    |
|             | Erosion Height (ft.):          | <b>2.9</b>     | <b>4.0</b>      |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Multiple</b> |
|             | Revetment length               | <b>350.6</b>   | <b>1,216.7</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>921</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>    |
|             | Mass Failures:                 |                |                 |
|             | Average Height (ft.):          |                |                 |
|             | Mass Failures:                 | <b>None</b>    |                 |
|             | Average Heigh (ft.):           |                |                 |
|             | Gullies:                       | <b>None</b>    |                 |
|             | Number of Gullies              | <b>0</b>       |                 |
|             | Total Length of Gullies (ft.): |                |                 |
|             | Average Height of Gullies      |                |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>0</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>4</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>3</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>2,201.8</b>       |
|             | Dredging:                   | <b>None</b>          |



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Wells River

SGAT Version: 4.56

Reach: **M19T4.04 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                 |
|-------------|--------------------------------|----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>1,622.7</b> | <b>291.0</b>    |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>      |
|             | Development Length:            | <b>1,113.2</b> | <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>278.0</b>   | <b>438.2</b>    |
|             | Erosion Height (ft.):          | <b>2.9</b>     | <b>4.0</b>      |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Multiple</b> |
|             | Revetment length               | <b>350.6</b>   | <b>1,216.7</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>921</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>    |
|             | Mass Failures:                 |                |                 |
|             | Average Height (ft.):          |                |                 |
|             | Mass Failures:                 | <b>None</b>    |                 |
|             | Average Heigh (ft.):           |                |                 |
|             | Gullies:                       | <b>None</b>    |                 |
|             | Number of Gullies              | <b>0</b>       |                 |
|             | Total Length of Gullies (ft.): |                |                 |
|             | Average Height of Gullies      |                |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>1</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>4</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>3</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>2,201.8</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.03 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>3,351.8</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>2,129.1</b> <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>606.8</b> <b>531.0</b>     |
|             | Erosion Height (ft.):          | <b>3.9</b> <b>3.2</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>1,557.8</b> <b>198.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1944</b> <b>48</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>329.5734</b>               |
|             | Average Height (ft.):          | <b>28.8</b>                   |
|             | Mass Failures:                 | <b>Multiple</b>               |
|             | Average Heigh (ft.):           | <b>28.3</b>                   |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>3</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>12</b>                          |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>1</b>                           |
|             | Braiding:                   | <b>1</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>3</b>                           |
|             | Head Cuts:                  | <b>1</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>Straightening</b>               |
|             | Length (ft.):               | <b>3,472.4</b>                     |
|             | Dredging:                   | <b>None</b>                        |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.06 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>498.2</b>   | <b>37.1</b>    |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>97.8</b>    | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>41.6</b>    | <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>3.5</b>     | <b>0.0</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>68.9</b>    | <b>151.1</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>1</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>4</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>816.0</b>         |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>142.6</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>510.4</b> <b>2,511.2</b>     |
|             | Railroad Lenth (ft.):          | <b>6,102.1</b> <b>0.0</b>       |
|             | Development Length:            | <b>2,429.3</b> <b>1,478.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>40.4</b> <b>280.8</b>        |
|             | Erosion Height (ft.):          | <b>2.0</b> <b>3.0</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,825.4</b> <b>2,523.5</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1129</b> <b>1170</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 | <b>33.39799</b> <b>398.3373</b> |
|             | Average Height (ft.):          | <b>12.0</b> <b>20.3</b>         |
|             | Mass Failures:                 | <b>Multiple</b>                 |
|             | Average Heigh (ft.):           | <b>18.5</b>                     |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): |                                 |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>1</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>3</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>0</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>Straightening</b>               |
|             | Length (ft.):               | <b>7,122.1</b>                     |
|             | Dredging:                   | <b>None</b>                        |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>142.6</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>510.4</b> <b>2,511.2</b>     |
|             | Railroad Lenth (ft.):          | <b>6,102.1</b> <b>0.0</b>       |
|             | Development Length:            | <b>2,429.3</b> <b>1,478.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>40.4</b> <b>280.8</b>        |
|             | Erosion Height (ft.):          | <b>2.0</b> <b>3.0</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,825.4</b> <b>2,523.5</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1129</b> <b>1170</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 | <b>33.39799</b> <b>398.3373</b> |
|             | Average Height (ft.):          | <b>12.0</b> <b>20.3</b>         |
|             | Mass Failures:                 | <b>Multiple</b>                 |
|             | Average Heigh (ft.):           | <b>18.5</b>                     |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): |                                 |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>1</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>3</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>7,122.1</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: M11 -0

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>142.6</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>510.4</b> <b>2,511.2</b>     |
|             | Railroad Lenth (ft.):          | <b>6,102.1</b> <b>0.0</b>       |
|             | Development Length:            | <b>2,429.3</b> <b>1,478.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>40.4</b> <b>280.8</b>        |
|             | Erosion Height (ft.):          | <b>2.0</b> <b>3.0</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,825.4</b> <b>2,523.5</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1129</b> <b>1170</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 | <b>33.39799</b> <b>398.3373</b> |
|             | Average Height (ft.):          | <b>12.0</b> <b>20.3</b>         |
|             | Mass Failures:                 | <b>Multiple</b>                 |
|             | Average Heigh (ft.):           | <b>18.5</b>                     |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): |                                 |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>0</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>2</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>3</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>0</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>Straightening</b>               |
|             | Length (ft.):               | <b>7,122.1</b>                     |
|             | Dredging:                   | <b>None</b>                        |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.08 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>               |
|-------------|--------------------------------|----------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Path Length (ft.):             | <b>65.3</b> <b>0.0</b>     |
|             | Road Length (ft.):             | <b>1,077.1</b> <b>0.0</b>  |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>      |
|             | Development Length:            | <b>76.0</b> <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>16.4</b> <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>3.0</b> <b>0.0</b>      |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>None</b> |
|             | Revetment length               | <b>150.5</b> <b>0.0</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b> <b>0</b>          |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>   |
|             | Mass Failures:                 |                            |
|             | Average Height (ft.):          |                            |
|             | Mass Failures:                 | <b>None</b>                |
|             | Average Heigh (ft.):           |                            |
|             | Gullies:                       | <b>None</b>                |
|             | Number of Gullies              | <b>0</b>                   |
|             | Total Length of Gullies (ft.): |                            |
|             | Average Height of Gullies      |                            |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>40</b>            |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>3</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>24</b>            |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>1</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>Yes</b>           |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,091.3</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M16 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   | <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|--------------------------------|----------------|-------------|-----------------------------|----------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    | 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Berm Length (ft.):             | <b>0.0</b>     |             | Use:                        |                      |
|             | Path Length (ft.):             | <b>0.0</b>     | 4.7         | Stormwater Inputs           |                      |
|             | Road Length (ft.):             | <b>311.1</b>   |             | Overland Flow               | Road Ditch           |
|             | Railroad Lenth (ft.):          | <b>1,264.0</b> |             | Field Ditch                 | Tile Drain           |
|             | Development Length:            | <b>0.0</b>     |             | Other                       | Ub Strm Wtr Pipe     |
|             |                                | <b>465.4</b>   | 4.9         | Beaver Dams:                | <b>0</b>             |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    |             | Affected length (ft.):      | <b>0.0</b>           |
|             | Erosion Length (ft.):          | <b>512.2</b>   | 5.2         | Migration Features          |                      |
|             | Erosion Height (ft.):          | <b>3.2</b>     |             | Flood Chutes:               | <b>2</b>             |
|             | Revetment Type:                | <b>Rip-Rap</b> |             | Neck Cutoffs:               | <b>0</b>             |
|             | Revetment length               | <b>583.2</b>   |             | Channel Avulsions:          | <b>0</b>             |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1377</b>    |             | Braiding:                   | <b>0</b>             |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | 5.3         | Steep Riffles and Head Cuts |                      |
|             | Mass Failures:                 |                |             | Steep Riffles:              | <b>0</b>             |
|             | Average Height (ft.):          |                |             | Head Cuts:                  | <b>0</b>             |
|             | Mass Failures:                 | <b>None</b>    | 5.4         | Animal Crossings:           | <b>No</b>            |
|             | Average Heigh (ft.):           |                | 5.5         | Channel Alterations         |                      |
|             | Gullies:                       | <b>None</b>    |             | Straightening:              | <b>Straightening</b> |
|             | Number of Gullies              | <b>0</b>       |             | Length (ft.):               | <b>1,627.4</b>       |
|             | Total Length of Gullies (ft.): |                |             | Dredging:                   | <b>None</b>          |
|             | Average Height of Gullies      |                |             |                             |                      |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.05 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>1,891.7</b> <b>386.7</b>   |
|             | Road Length (ft.):             | <b>532.1</b> <b>0.0</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>184.4</b> <b>0.0</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>0.0</b> <b>34.2</b>        |
|             | Erosion Height (ft.):          | <b>0.0</b> <b>6.0</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>53.5</b> <b>40.9</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b> <b>0</b>             |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>39</b>                 |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>1</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>4</b>                  |
|             | Affected length (ft.):      | <b>500.0</b>              |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>38</b>                 |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>2</b>                  |
|             | Braiding:                   | <b>3</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>1</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>None</b>               |
|             | Length (ft.):               | <b>0.0</b>                |
|             | Dredging:                   | <b>None</b>               |



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Wells River

SGAT Version: 4.56

Reach: **M02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                     |
|-------------|--------------------------------|----------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                      |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>           |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>            |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>            |
|             | Road Length (ft.):             | <b>711.0</b> <b>1,255.3</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>            |
|             | Development Length:            | <b>1,406.2</b> <b>244.1</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>         |
|             | Erosion Length (ft.):          | <b>0.0</b> <b>0.0</b>            |
|             | Erosion Height (ft.):          | <b>0.0</b> <b>0.0</b>            |
|             | Revetment Type:                | <b>Hard Bank</b> <b>Multiple</b> |
|             | Revetment length               | <b>82.0</b> <b>499.7</b>         |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>59</b> <b>482</b>             |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>         |
|             | Mass Failures:                 |                                  |
|             | Average Height (ft.):          |                                  |
|             | Mass Failures:                 | <b>None</b>                      |
|             | Average Heigh (ft.):           |                                  |
|             | Gullies:                       | <b>None</b>                      |
|             | 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:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>Small Store and Release</b>     |
|             | Use:                        | <b>Hydro-electric</b>              |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>1</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>0</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>2</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>With Windrowing</b>             |
|             | Length (ft.):               | <b>166.5</b>                       |
|             | Dredging:                   | <b>None</b>                        |



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Wells River

SGAT Version: 4.56

Reach: **M06 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>     | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>1,837.2</b> | <b>1,802.0</b> |
|             | Erosion Height (ft.):          | <b>4.5</b>     | <b>4.8</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>None</b>    |
|             | Revetment length               | <b>906.9</b>   | <b>0.0</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>3719</b>    | <b>2051</b>    |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 | <b>88.5</b>    |                |
|             | Average Height (ft.):          | <b>22.0</b>    |                |
|             | Mass Failures:                 | <b>One</b>     |                |
|             | Average Heigh (ft.):           | <b>22.0</b>    |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | 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:      | <b>0</b>         |
| 4.5         | Flow Regulation Type:       | <b>None</b>      |
|             | Use:                        |                  |
| 4.7         | Stormwater Inputs           |                  |
|             | Overland Flow               | Road Ditch       |
|             | Field Ditch                 | Tile Drain       |
|             | Other                       | Ub Strm Wtr Pipe |
| 4.9         | Beaver Dams:                | <b>0</b>         |
|             | Affected length (ft.):      | <b>0.0</b>       |
| 5.2         | Migration Features          |                  |
|             | Flood Chutes:               | <b>2</b>         |
|             | Neck Cutoffs:               | <b>0</b>         |
|             | Channel Avulsions:          | <b>0</b>         |
|             | Braiding:                   | <b>0</b>         |
| 5.3         | Steep Riffles and Head Cuts |                  |
|             | Steep Riffles:              | <b>0</b>         |
|             | Head Cuts:                  | <b>1</b>         |
| 5.4         | Animal Crossings:           | <b>No</b>        |
| 5.5         | Channel Alterations         |                  |
|             | Straightening:              | <b>None</b>      |
|             | Length (ft.):               | <b>0.0</b>       |
|             | Dredging:                   | <b>None</b>      |



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Wells River

SGAT Version: 4.56

Reach: **M15T2.03 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                |
|-------------|--------------------------------|-----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>     |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>      | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>387.0</b>    | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>      | <b>0.0</b>     |
|             | Development Length:            | <b>486.2</b>    | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>48.7</b>     | <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>2.0</b>      | <b>0.0</b>     |
|             | Revetment Type:                | <b>Multiple</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>168.6</b>    | <b>269.2</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>        | <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>   |
|             | Mass Failures:                 |                 |                |
|             | Average Height (ft.):          |                 |                |
|             | Mass Failures:                 | <b>None</b>     |                |
|             | Average Heigh (ft.):           |                 |                |
|             | Gullies:                       | <b>None</b>     |                |
|             | Number of Gullies              | <b>0</b>        |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>      |                |
|             | Average Height of Gullies      |                 |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>            |
|-------------|-----------------------------|-------------------------|
| 4.4         | Number of Debris Jams:      | <b>7</b>                |
| 4.5         | Flow Regulation Type:       | <b>Small Withdrawal</b> |
|             | Use:                        | <b>Other</b>            |
| 4.7         | Stormwater Inputs           |                         |
|             | Overland Flow               | <b>0</b>                |
|             | Road Ditch                  | <b>1</b>                |
|             | Field Ditch                 | <b>0</b>                |
|             | Tile Drain                  | <b>0</b>                |
|             | Other                       | <b>0</b>                |
|             | Ub Strm Wtr Pipe            | <b>0</b>                |
| 4.9         | Beaver Dams:                | <b>0</b>                |
|             | Affected length (ft.):      | <b>0.0</b>              |
| 5.2         | Migration Features          |                         |
|             | Flood Chutes:               | <b>14</b>               |
|             | Neck Cutoffs:               | <b>0</b>                |
|             | Channel Avulsions:          | <b>0</b>                |
|             | Braiding:                   | <b>4</b>                |
| 5.3         | Steep Riffles and Head Cuts |                         |
|             | Steep Riffles:              | <b>4</b>                |
|             | Head Cuts:                  | <b>0</b>                |
| 5.4         | Animal Crossings:           | <b>No</b>               |
| 5.5         | Channel Alterations         |                         |
|             | Straightening:              | <b>None</b>             |
|             | Length (ft.):               | <b>0.0</b>              |
|             | Dredging:                   | <b>None</b>             |



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Wells River

SGAT Version: 4.56

Reach: **M19T4.05 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>3,911.9</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>2,075.2</b> <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>539.4</b> <b>677.6</b>     |
|             | Erosion Height (ft.):          | <b>3.2</b> <b>3.0</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>1,242.8</b> <b>2,158.4</b> |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>2375</b> <b>2629</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): |                               |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>Small Withdrawal</b>            |
|             | Use:                        | <b>Irrigation</b>                  |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>5</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>4</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>2</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>With Windrowing</b>             |
|             | Length (ft.):               | <b>3,599.8</b>                     |
|             | Dredging:                   | <b>None</b>                        |



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Wells River

SGAT Version: 4.56

Reach: **M08 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> | <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|--------------------------------|--------------|-------------|-----------------------------|----------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  | 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             |                                | <u>Both</u>  |             | Use:                        |                      |
|             | Berm Length (ft.):             | <b>0.0</b>   | 4.7         | Stormwater Inputs           |                      |
|             | Path Length (ft.):             | <b>0.0</b>   |             | Overland Flow               | Road Ditch           |
|             | Road Length (ft.):             | <b>223.1</b> |             | Field Ditch                 | Tile Drain           |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   |             | Other                       | Ub Strm Wtr Pipe     |
|             | Development Length:            | <b>0.0</b>   | 4.9         | Beaver Dams:                | <b>0</b>             |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  |             | Affected length (ft.):      | <b>0.0</b>           |
|             | Erosion Length (ft.):          | <b>316.8</b> | 5.2         | Migration Features          |                      |
|             | Erosion Height (ft.):          | <b>3.0</b>   |             | Flood Chutes:               | <b>2</b>             |
|             | Revetment Type:                | <b>None</b>  |             | Neck Cutoffs:               | <b>0</b>             |
|             | Revetment length               | <b>0.0</b>   |             | Channel Avulsions:          | <b>0</b>             |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>557</b>   |             | Braiding:                   | <b>0</b>             |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | 5.3         | Steep Riffles and Head Cuts |                      |
|             | Mass Failures:                 |              |             | Steep Riffles:              | <b>0</b>             |
|             | Average Height (ft.):          |              |             | Head Cuts:                  | <b>0</b>             |
|             | Mass Failures:                 | <b>None</b>  | 5.4         | Animal Crossings:           | <b>No</b>            |
|             | Average Heigh (ft.):           |              | 5.5         | Channel Alterations         |                      |
|             | Gullies:                       | <b>None</b>  |             | Straightening:              | <b>Straightening</b> |
|             | Number of Gullies              |              |             | Length (ft.):               | <b>670.3</b>         |
|             | Total Length of Gullies (ft.): |              |             | Dredging:                   | <b>None</b>          |
|             | Average Height of Gullies      |              |             |                             |                      |





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Reach: **M19T4.01 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>Yes</b>                      |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>1,176.6</b> <b>480.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>990.2</b> <b>0.0</b>         |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>64.9</b> <b>93.4</b>         |
|             | Erosion Height (ft.):          | <b>3.0</b> <b>3.0</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,278.9</b> <b>785.0</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1565</b> <b>455</b>          |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>2</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>1</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>1</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>2</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>With Windrowing</b>             |
|             | Length (ft.):               | <b>1,888.8</b>                     |
|             | Dredging:                   | <b>None</b>                        |



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Wells River

SGAT Version: 4.56

Reach: **M19T4.01 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>249.0</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>117.4</b>   | <b>598.5</b>   |
|             | Erosion Height (ft.):          | <b>3.1</b>     | <b>4.1</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>372.8</b>   | <b>24.4</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>720</b>     | <b>125</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>3</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,063.3</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>0.0</b> <b>253.4</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>4,135.4</b> <b>0.0</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>0.0</b> <b>0.0</b>           |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>549.7</b> <b>780.2</b>       |
|             | Erosion Height (ft.):          | <b>4.2</b> <b>4.2</b>           |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Multiple</b>  |
|             | Revetment length               | <b>450.9</b> <b>670.6</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>722</b> <b>1006</b>          |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 | <b>85.94817</b> <b>422.9036</b> |
|             | Average Height (ft.):          | <b>10.0</b> <b>31.8</b>         |
|             | Mass Failures:                 | <b>Multiple</b>                 |
|             | Average Heigh (ft.):           | <b>26.4</b>                     |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>9</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>1</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>15</b>                 |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>1</b>                  |
|             | Braiding:                   | <b>1</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>7</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>With Windrowing</b>    |
|             | Length (ft.):               | <b>241.9</b>              |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: M11T1.02 -0

| Step | Description                    | Value             |
|------|--------------------------------|-------------------|
| 1.2  | Alluvial Fan:                  | None              |
| 1.3  | Encroachments - Side           | One Both          |
|      | Berm Length (ft.):             | 0.0 253.4         |
|      | Path Length (ft.):             | 0.0 0.0           |
|      | Road Length (ft.):             | 4,135.4 0.0       |
|      | Railroad Lenth (ft.):          | 0.0 0.0           |
|      | Development Length:            | 0.0 0.0           |
| 3.1  | Erosion - Bank                 | Left Right        |
|      | Erosion Length (ft.):          | 549.7 780.2       |
|      | Erosion Height (ft.):          | 4.2 4.2           |
|      | Revetment Type:                | Rip-Rap Multiple  |
|      | Revetment length               | 450.9 670.6       |
| 3.2  | Buffer Less Than 25 ft.        | 722 1006          |
| 3.3  | Riparian Corridor              | Left Right        |
|      | Mass Failures:                 | 85.94817 422.9036 |
|      | Average Height (ft.):          | 10.0 31.8         |
|      | Mass Failures:                 | Multiple          |
|      | Average Heigh (ft.):           | 26.4              |
|      | Gullies:                       | None              |
|      | Number of Gullies              | 0                 |
|      | Total Length of Gullies (ft.): | 0.0               |
|      | Average Height of Gullies      |                   |

| Step | Description                 | Value              |
|------|-----------------------------|--------------------|
| 4.4  | Number of Debris Jams:      | 9                  |
| 4.5  | Flow Regulation Type:       | None               |
|      | Use:                        |                    |
| 4.7  | Stormwater Inputs           |                    |
|      | Overland Flow 0             | Road Ditch 11      |
|      | 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:               | 15                 |
|      | Neck Cutoffs:               | 0                  |
|      | Channel Avulsions:          | 1                  |
|      | Braiding:                   | 1                  |
| 5.3  | Steep Riffles and Head Cuts |                    |
|      | Steep Riffles:              | 7                  |
|      | Head Cuts:                  | 0                  |
| 5.4  | Animal Crossings:           | No                 |
| 5.5  | Channel Alterations         |                    |
|      | Straightening:              | With Windrowing    |
|      | Length (ft.):               | 241.9              |
|      | Dredging:                   | None               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M14 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                 |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>     |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>0.0</b>      | <b>7.3</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Development Length:            | <b>0.0</b>      | <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>1,212.1</b>  | <b>1,887.8</b>  |
|             | Erosion Height (ft.):          | <b>1.9</b>      | <b>2.7</b>      |
|             | Revetment Type:                | <b>Multiple</b> | <b>Multiple</b> |
|             | Revetment length               | <b>510.2</b>    | <b>96.4</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1394</b>     | <b>830</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>    |
|             | Mass Failures:                 |                 |                 |
|             | Average Height (ft.):          |                 |                 |
|             | Mass Failures:                 | <b>None</b>     |                 |
|             | Average Heigh (ft.):           |                 |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | Number of Gullies              | <b>0</b>        |                 |
|             | Total Length of Gullies (ft.): | <b>0.0</b>      |                 |
|             | Average Height of Gullies      |                 |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>3</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>1</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,672.5</b>       |
|             | Dredging:                   | <b>Dredging</b>      |



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Wells River

SGAT Version: 4.56

Reach: **M10 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |              |
|-------------|--------------------------------|----------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>700.5</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>1,709.8</b> | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>     | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>135.0</b>   | <b>149.1</b> |
|             | Erosion Height (ft.):          | <b>3.5</b>     | <b>3.2</b>   |
|             | Revetment Type:                | <b>None</b>    | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>     | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>0</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u> |
|             | Mass Failures:                 |                |              |
|             | Average Height (ft.):          |                |              |
|             | Mass Failures:                 | <b>None</b>    |              |
|             | Average Heigh (ft.):           |                |              |
|             | Gullies:                       | <b>None</b>    |              |
|             | Number of Gullies              | <b>0</b>       |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |              |
|             | Average Height of Gullies      |                |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>2</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>0</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,709.8</b>            |
|             | Dredging:                   | <b>None</b>               |



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Wells River

SGAT Version: 4.56

Reach: **M09 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |              |
|-------------|--------------------------------|----------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>     |              |
|             | Path Length (ft.):             | <b>0.0</b>     |              |
|             | Road Length (ft.):             | <b>1,642.6</b> |              |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     |              |
|             | Development Length:            | <b>619.9</b>   |              |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>     | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>     | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>    | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>     | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>267</b>     | <b>174</b>   |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u> |
|             | Mass Failures:                 |                |              |
|             | Average Height (ft.):          |                |              |
|             | Mass Failures:                 | <b>None</b>    |              |
|             | Average Heigh (ft.):           |                |              |
|             | Gullies:                       | <b>None</b>    |              |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>0</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>855.4</b>         |
|             | Dredging:                   | <b>None</b>          |



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Wells River

SGAT Version: 4.56

Reach: **M04 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>1,951.7</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>705.1</b>   | <b>0.0</b>     |
|             | Development Length:            | <b>1,538.8</b> | <b>107.5</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>209.0</b>   | <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>2.7</b>     | <b>0.0</b>     |
|             | Revetment Type:                | <b>None</b>    | <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b>     | <b>614.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1151</b>    | <b>691</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>0</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>656.0</b>         |
|             | Dredging:                   | <b>None</b>          |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>184.2</b> <b>158.3</b>       |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>1,515.4</b> <b>111.4</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>493.8</b> <b>1,171.8</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>424.0</b> <b>363.8</b>       |
|             | Erosion Height (ft.):          | <b>3.5</b> <b>3.6</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,690.6</b> <b>1,324.9</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1724</b> <b>1283</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>0</b>       |
|             | Field Ditch                 | <b>2</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>2</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>6</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>Yes</b>                         |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>With Windrowing</b>             |
|             | Length (ft.):               | <b>2,235.2</b>                     |
|             | Dredging:                   | <b>None</b>                        |



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Reach: M11T1.01 -0

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>184.2</b> <b>158.3</b>       |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>1,515.4</b> <b>111.4</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>493.8</b> <b>1,171.8</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>424.0</b> <b>363.8</b>       |
|             | Erosion Height (ft.):          | <b>3.5</b> <b>3.6</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,690.6</b> <b>1,324.9</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1724</b> <b>1283</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>5</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>6</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>With Windrowing</b>    |
|             | Length (ft.):               | <b>2,235.2</b>            |
|             | Dredging:                   | <b>None</b>               |



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Reach: **M11T1.01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>184.2</b> <b>158.3</b>       |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>1,515.4</b> <b>111.4</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>493.8</b> <b>1,171.8</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>424.0</b> <b>363.8</b>       |
|             | Erosion Height (ft.):          | <b>3.5</b> <b>3.6</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,690.6</b> <b>1,324.9</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1724</b> <b>1283</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>4</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>2</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>6</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>Yes</b>                         |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>With Windrowing</b>             |
|             | Length (ft.):               | <b>2,235.2</b>                     |
|             | Dredging:                   | <b>None</b>                        |



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Reach: **M11T1.01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>184.2</b> <b>158.3</b>       |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>1,515.4</b> <b>111.4</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>493.8</b> <b>1,171.8</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>424.0</b> <b>363.8</b>       |
|             | Erosion Height (ft.):          | <b>3.5</b> <b>3.6</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>1,690.6</b> <b>1,324.9</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1724</b> <b>1283</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>           |
|-------------|-----------------------------|------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>               |
| 4.5         | Flow Regulation Type:       | <b>None</b>            |
|             | Use:                        |                        |
| 4.7         | Stormwater Inputs           |                        |
|             | Overland Flow               | <b>0</b>               |
|             | Road Ditch                  | <b>0</b>               |
|             | Field Ditch                 | <b>0</b>               |
|             | Tile Drain                  | <b>1</b>               |
|             | Other                       | <b>0</b>               |
|             | Ub Strm Wtr Pipe            | <b>0</b>               |
| 4.9         | Beaver Dams:                | <b>0</b>               |
|             | Affected length (ft.):      | <b>0.0</b>             |
| 5.2         | Migration Features          |                        |
|             | Flood Chutes:               | <b>2</b>               |
|             | Neck Cutoffs:               | <b>0</b>               |
|             | Channel Avulsions:          | <b>0</b>               |
|             | Braiding:                   | <b>0</b>               |
| 5.3         | Steep Riffles and Head Cuts |                        |
|             | Steep Riffles:              | <b>6</b>               |
|             | Head Cuts:                  | <b>0</b>               |
| 5.4         | Animal Crossings:           | <b>Yes</b>             |
| 5.5         | Channel Alterations         |                        |
|             | Straightening:              | <b>With Windrowing</b> |
|             | Length (ft.):               | <b>2,235.2</b>         |
|             | Dredging:                   | <b>None</b>            |



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Reach: **M11T1.07 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>817.0</b>   | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>692.1</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>28.3</b>    | <b>18.5</b>    |
|             | Erosion Height (ft.):          | <b>2.0</b>     | <b>2.0</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>191.0</b>   | <b>198.4</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>484</b>     | <b>394</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>3</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>1</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>818.1</b>              |
|             | Dredging:                   | <b>None</b>               |



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Reach: **M11T1.07 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>817.0</b>   | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>692.1</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>28.3</b>    | <b>18.5</b>    |
|             | Erosion Height (ft.):          | <b>2.0</b>     | <b>2.0</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>191.0</b>   | <b>198.4</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>484</b>     | <b>394</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>3</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>3</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>818.1</b>              |
|             | Dredging:                   | <b>None</b>               |



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Reach: **M07 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |              |
|-------------|--------------------------------|----------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>     | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>     | <b>42.2</b>  |
|             | Erosion Height (ft.):          | <b>0.0</b>     | <b>4.0</b>   |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>None</b>  |
|             | Revetment length               | <b>157.8</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>625</b>     | <b>402</b>   |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u> |
|             | Mass Failures:                 |                |              |
|             | Average Height (ft.):          |                |              |
|             | Mass Failures:                 | <b>None</b>    |              |
|             | Average Heigh (ft.):           |                |              |
|             | Gullies:                       | <b>None</b>    |              |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>0</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>770.2</b>         |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M18 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>307.3</b>       |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>1,146.1</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>1,186.3</b> <b>414.8</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>170.5</b> <b>411.0</b>     |
|             | Erosion Height (ft.):          | <b>2.0</b> <b>2.9</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>1,353.9</b> <b>121.1</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>921</b> <b>1023</b>        |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>57.73277</b>               |
|             | Average Height (ft.):          | <b>10.0</b>                   |
|             | Mass Failures:                 | <b>One</b>                    |
|             | Average Heigh (ft.):           | <b>10.0</b>                   |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): |                               |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>2</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>3,000.2</b>       |
|             | Dredging:                   | <b>None</b>          |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.08 -C**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>509.5</b> | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>29.5</b>  | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>2.0</b>   | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Number of Gullies              | <b>0</b>     |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |              |
|             | Average Height of Gullies      |              |              |

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



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.08 -C**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>509.5</b> | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>29.5</b>  | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>2.0</b>   | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Number of Gullies              | <b>0</b>     |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |              |
|             | Average Height of Gullies      |              |              |

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



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M12S2.01 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                   |
|-------------|--------------------------------|--------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                    |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>         |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>          |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>          |
|             | Road Length (ft.):             | <b>1,931.7</b> <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>          |
|             | Development Length:            | <b>1,161.7</b> <b>69.4</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>       |
|             | Erosion Length (ft.):          | <b>377.5</b> <b>255.6</b>      |
|             | Erosion Height (ft.):          | <b>3.6</b> <b>3.1</b>          |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Multiple</b> |
|             | Revetment length               | <b>482.8</b> <b>685.6</b>      |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>648</b> <b>568</b>          |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>       |
|             | Mass Failures:                 | <b>49.9511</b> <b>60.73152</b> |
|             | Average Height (ft.):          | <b>10.0</b> <b>15.0</b>        |
|             | Mass Failures:                 | <b>Multiple</b>                |
|             | Average Heigh (ft.):           | <b>12.5</b>                    |
|             | Gullies:                       | <b>None</b>                    |
|             | Number of Gullies              | <b>0</b>                       |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                     |
|             | Average Height of Gullies      |                                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>6</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>2</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>5</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>3</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,913.5</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M12S2.01 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                   |
|-------------|--------------------------------|--------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                    |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>         |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>          |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>          |
|             | Road Length (ft.):             | <b>1,931.7</b> <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>          |
|             | Development Length:            | <b>1,161.7</b> <b>69.4</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>       |
|             | Erosion Length (ft.):          | <b>377.5</b> <b>255.6</b>      |
|             | Erosion Height (ft.):          | <b>3.6</b> <b>3.1</b>          |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Multiple</b> |
|             | Revetment length               | <b>482.8</b> <b>685.6</b>      |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>648</b> <b>568</b>          |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>       |
|             | Mass Failures:                 | <b>49.9511</b> <b>60.73152</b> |
|             | Average Height (ft.):          | <b>10.0</b> <b>15.0</b>        |
|             | Mass Failures:                 | <b>Multiple</b>                |
|             | Average Heigh (ft.):           | <b>12.5</b>                    |
|             | Gullies:                       | <b>None</b>                    |
|             | Number of Gullies              | <b>0</b>                       |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                     |
|             | Average Height of Gullies      |                                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>6</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>5</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>5</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>3</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,913.5</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M08 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>634.4</b> | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>67</b>    | <b>0</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | 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:      | <b>0</b>         |
| 4.5         | Flow Regulation Type:       | <b>None</b>      |
|             | Use:                        |                  |
| 4.7         | Stormwater Inputs           |                  |
|             | Overland Flow               | Road Ditch       |
|             | Field Ditch                 | Tile Drain       |
|             | Other                       | Ub Strm Wtr Pipe |
| 4.9         | Beaver Dams:                | <b>0</b>         |
|             | Affected length (ft.):      | <b>0.0</b>       |
| 5.2         | Migration Features          |                  |
|             | Flood Chutes:               | <b>0</b>         |
|             | Neck Cutoffs:               | <b>0</b>         |
|             | Channel Avulsions:          | <b>0</b>         |
|             | Braiding:                   | <b>0</b>         |
| 5.3         | Steep Riffles and Head Cuts |                  |
|             | Steep Riffles:              | <b>0</b>         |
|             | Head Cuts:                  | <b>0</b>         |
| 5.4         | Animal Crossings:           | <b>No</b>        |
| 5.5         | Channel Alterations         |                  |
|             | Straightening:              | <b>None</b>      |
|             | Length (ft.):               | <b>0.0</b>       |
|             | Dredging:                   | <b>None</b>      |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.06 -D**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |                |
|-------------|--------------------------------|--------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>686.1</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>127.6</b> | <b>103.4</b>   |
|             | Erosion Height (ft.):          | <b>2.4</b>   | <b>2.5</b>     |
|             | Revetment Type:                | <b>None</b>  | <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b>   | <b>103.2</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u>   |
|             | Mass Failures:                 |              |                |
|             | Average Height (ft.):          |              |                |
|             | Mass Failures:                 | <b>None</b>  |                |
|             | Average Heigh (ft.):           |              |                |
|             | Gullies:                       | <b>None</b>  |                |
|             | Number of Gullies              | <b>0</b>     |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |                |
|             | Average Height of Gullies      |              |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>1</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>687.5</b>              |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.06 -D**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |                |
|-------------|--------------------------------|--------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>686.1</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>127.6</b> | <b>103.4</b>   |
|             | Erosion Height (ft.):          | <b>2.4</b>   | <b>2.5</b>     |
|             | Revetment Type:                | <b>None</b>  | <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b>   | <b>103.2</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u>   |
|             | Mass Failures:                 |              |                |
|             | Average Height (ft.):          |              |                |
|             | Mass Failures:                 | <b>None</b>  |                |
|             | Average Heigh (ft.):           |              |                |
|             | Gullies:                       | <b>None</b>  |                |
|             | Number of Gullies              | <b>0</b>     |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |                |
|             | Average Height of Gullies      |              |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>1</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>687.5</b>              |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M16S1.01 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                 |
|-------------|--------------------------------|----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>      |
|             | Development Length:            | <b>161.0</b>   | <b>377.0</b>    |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>0.0</b>     | <b>0.0</b>      |
|             | Erosion Height (ft.):          | <b>0.0</b>     | <b>0.0</b>      |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Multiple</b> |
|             | Revetment length               | <b>257.1</b>   | <b>365.4</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>200</b>     | <b>255</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>    |
|             | Mass Failures:                 |                |                 |
|             | Average Height (ft.):          |                |                 |
|             | Mass Failures:                 | <b>None</b>    |                 |
|             | Average Heigh (ft.):           |                |                 |
|             | Gullies:                       | <b>None</b>    |                 |
|             | Number of Gullies              | <b>0</b>       |                 |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                 |
|             | Average Height of Gullies      |                |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>1</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>0</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>3</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>633.7</b>         |
|             | Dredging:                   | <b>None</b>          |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M13 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                |
|-------------|--------------------------------|-----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>     |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>      | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>0.0</b>      | <b>6,361.1</b> |
|             | Railroad Lenth (ft.):          | <b>0.0</b>      | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>      | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>968.1</b>    | <b>990.3</b>   |
|             | Erosion Height (ft.):          | <b>1.6</b>      | <b>2.5</b>     |
|             | Revetment Type:                | <b>Multiple</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>501.0</b>    | <b>520.1</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1138</b>     | <b>3543</b>    |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>   |
|             | Mass Failures:                 |                 |                |
|             | Average Height (ft.):          |                 |                |
|             | Mass Failures:                 | <b>None</b>     |                |
|             | Average Heigh (ft.):           |                 |                |
|             | Gullies:                       | <b>None</b>     |                |
|             | Number of Gullies              | <b>0</b>        |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>      |                |
|             | Average Height of Gullies      |                 |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>4</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>6</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>1</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>6,361.4</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M07 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>222.6</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>37.0</b>    | <b>414.3</b>   |
|             | Erosion Height (ft.):          | <b>4.0</b>     | <b>3.2</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>294.9</b>   | <b>132.8</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1528</b>    | <b>1524</b>    |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>3</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>Yes</b>           |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,517.1</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.03 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>785.9</b> <b>0.0</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>113.2</b> <b>0.0</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>202.3</b> <b>425.1</b>     |
|             | Erosion Height (ft.):          | <b>2.8</b> <b>2.7</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>364.5</b> <b>323.2</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>991</b> <b>914</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): |                               |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>7</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>1</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>2</b>             |
|             | Head Cuts:                  | <b>1</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,605.6</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.03 -C**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>               |
|-------------|--------------------------------|----------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Path Length (ft.):             | <b>516.3</b> <b>0.0</b>    |
|             | Road Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>      |
|             | Development Length:            | <b>611.3</b> <b>0.0</b>    |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>242.4</b> <b>450.5</b>  |
|             | Erosion Height (ft.):          | <b>3.2</b> <b>2.6</b>      |
|             | Revetment Type:                | <b>None</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b> <b>212.8</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>217</b> <b>1137</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>   |
|             | Mass Failures:                 | <b>31.46971</b>            |
|             | Average Height (ft.):          | <b>12.0</b>                |
|             | Mass Failures:                 | <b>One</b>                 |
|             | Average Heigh (ft.):           | <b>12.0</b>                |
|             | Gullies:                       | <b>None</b>                |
|             | Number of Gullies              | <b>0</b>                   |
|             | Total Length of Gullies (ft.): |                            |
|             | Average Height of Gullies      |                            |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>1</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>Yes</b>           |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,940.1</b>       |
|             | Dredging:                   | <b>Dredging</b>      |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M12 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                     |
|-------------|--------------------------------|----------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                      |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>           |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>            |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>            |
|             | Road Length (ft.):             | <b>0.0</b> <b>2,251.8</b>        |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>            |
|             | Development Length:            | <b>905.0</b> <b>1,333.6</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>         |
|             | Erosion Length (ft.):          | <b>0.0</b> <b>0.0</b>            |
|             | Erosion Height (ft.):          | <b>0.0</b> <b>0.0</b>            |
|             | Revetment Type:                | <b>Multiple</b> <b>Hard Bank</b> |
|             | Revetment length               | <b>1,674.1</b> <b>37.5</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>640</b> <b>1670</b>           |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>         |
|             | Mass Failures:                 |                                  |
|             | Average Height (ft.):          |                                  |
|             | Mass Failures:                 | <b>None</b>                      |
|             | Average Heigh (ft.):           |                                  |
|             | Gullies:                       | <b>None</b>                      |
|             | Number of Gullies              | <b>0</b>                         |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                       |
|             | Average Height of Gullies      |                                  |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>3</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>0</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>2,264.4</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.06 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>23.5</b>  | <b>469.5</b> |
|             | Erosion Height (ft.):          | <b>2.5</b>   | <b>2.9</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>1618</b>  |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Number of Gullies              | <b>0</b>     |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |              |
|             | Average Height of Gullies      |              |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>2</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>8</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,639.6</b>            |
|             | Dredging:                   | <b>Dredging</b>           |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M15T2.03 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>80.2</b>  | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Number of Gullies              | <b>0</b>     |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |              |
|             | Average Height of Gullies      |              |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>     |
|-------------|-----------------------------|------------------|
| 4.4         | Number of Debris Jams:      | <b>7</b>         |
| 4.5         | Flow Regulation Type:       | <b>None</b>      |
|             | Use:                        |                  |
| 4.7         | Stormwater Inputs           |                  |
|             | Overland Flow               | Road Ditch       |
|             | Field Ditch                 | Tile Drain       |
|             | Other                       | Ub Strm Wtr Pipe |
| 4.9         | Beaver Dams:                | <b>0</b>         |
|             | Affected length (ft.):      | <b>0.0</b>       |
| 5.2         | Migration Features          |                  |
|             | Flood Chutes:               | <b>7</b>         |
|             | Neck Cutoffs:               | <b>0</b>         |
|             | Channel Avulsions:          | <b>0</b>         |
|             | Braiding:                   | <b>7</b>         |
| 5.3         | Steep Riffles and Head Cuts |                  |
|             | Steep Riffles:              | <b>0</b>         |
|             | Head Cuts:                  | <b>0</b>         |
| 5.4         | Animal Crossings:           | <b>No</b>        |
| 5.5         | Channel Alterations         |                  |
|             | Straightening:              | <b>None</b>      |
|             | Length (ft.):               | <b>0.0</b>       |
|             | Dredging:                   | <b>None</b>      |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: M01 -0

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                 |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>Yes</b>      |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>576.7</b>    | <b>560.8</b>    |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>348.3</b>    | <b>1,662.1</b>  |
|             | Railroad Lenth (ft.):          | <b>335.1</b>    | <b>0.0</b>      |
|             | Development Length:            | <b>623.5</b>    | <b>1,775.2</b>  |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Erosion Height (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Revetment Type:                | <b>Multiple</b> | <b>Multiple</b> |
|             | Revetment length               | <b>2,707.7</b>  | <b>2,609.2</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1833</b>     | <b>1647</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>    |
|             | Mass Failures:                 | <b>18.39</b>    |                 |
|             | Average Height (ft.):          | <b>25.0</b>     |                 |
|             | Mass Failures:                 | <b>One</b>      |                 |
|             | Average Heigh (ft.):           | <b>25.0</b>     |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>0</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>2</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>0</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>2,465.7</b>       |
|             | Dredging:                   | <b>None</b>          |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                 |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>Yes</b>      |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>576.7</b>    | <b>560.8</b>    |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>348.3</b>    | <b>1,662.1</b>  |
|             | Railroad Lenth (ft.):          | <b>335.1</b>    | <b>0.0</b>      |
|             | Development Length:            | <b>623.5</b>    | <b>1,775.2</b>  |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Erosion Height (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Revetment Type:                | <b>Multiple</b> | <b>Multiple</b> |
|             | Revetment length               | <b>2,707.7</b>  | <b>2,609.2</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1833</b>     | <b>1647</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>    |
|             | Mass Failures:                 | <b>18.39</b>    |                 |
|             | Average Height (ft.):          | <b>25.0</b>     |                 |
|             | Mass Failures:                 | <b>One</b>      |                 |
|             | Average Heigh (ft.):           | <b>25.0</b>     |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | 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:      | <b>0</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>1</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>0</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>0</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>2,465.7</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M06 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>     | <b>135.5</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>53.2</b>    | <b>191.3</b>   |
|             | Erosion Height (ft.):          | <b>5.0</b>     | <b>5.0</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>623.6</b>   | <b>623.6</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1172</b>    | <b>707</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | 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:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>1</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>1,077.4</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M15T2.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>376.8</b> <b>0.0</b>       |
|             | Road Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>1,082.8</b> <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>64.7</b> <b>123.0</b>      |
|             | Erosion Height (ft.):          | <b>2.1</b> <b>2.7</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>236.4</b> <b>53.1</b>      |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1013</b> <b>830</b>        |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>            |
|-------------|-----------------------------|-------------------------|
| 4.4         | Number of Debris Jams:      | <b>17</b>               |
| 4.5         | Flow Regulation Type:       | <b>Small Withdrawal</b> |
|             | Use:                        | <b>Irrigation</b>       |
| 4.7         | Stormwater Inputs           |                         |
|             | Overland Flow               | Road Ditch              |
|             | Field Ditch                 | Tile Drain              |
|             | Other                       | Ub Strm Wtr Pipe        |
| 4.9         | Beaver Dams:                | <b>0</b>                |
|             | Affected length (ft.):      | <b>0.0</b>              |
| 5.2         | Migration Features          |                         |
|             | Flood Chutes:               | <b>11</b>               |
|             | Neck Cutoffs:               | <b>0</b>                |
|             | Channel Avulsions:          | <b>0</b>                |
|             | Braiding:                   | <b>0</b>                |
| 5.3         | Steep Riffles and Head Cuts |                         |
|             | Steep Riffles:              | <b>2</b>                |
|             | Head Cuts:                  | <b>0</b>                |
| 5.4         | Animal Crossings:           | <b>No</b>               |
| 5.5         | Channel Alterations         |                         |
|             | Straightening:              | <b>Straightening</b>    |
|             | Length (ft.):               | <b>2,031.8</b>          |
|             | Dredging:                   | <b>None</b>             |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M15T2.01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>328.2</b> <b>0.0</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>167.9</b> <b>0.0</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>23.5</b> <b>68.1</b>       |
|             | Erosion Height (ft.):          | <b>2.0</b> <b>1.6</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>66.7</b> <b>30.3</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1255</b> <b>803</b>        |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): |                               |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>2</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>0</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>Yes</b>           |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>825.9</b>         |
|             | Dredging:                   | <b>None</b>          |



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Wells River

SGAT Version: 4.56

Reach: **M15S1.01 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>             |
|-------------|--------------------------------|--------------------------|
| 1.2         | Alluvial Fan:                  | <b>Yes</b>               |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>   |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>    |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>    |
|             | Road Length (ft.):             | <b>268.2</b> <b>0.0</b>  |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>    |
|             | Development Length:            | <b>77.8</b> <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b> <b>74.8</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b> <b>2.0</b>    |
|             | Revetment Type:                | <b>None</b> <b>None</b>  |
|             | Revetment length               | <b>0.0</b> <b>0.0</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b> <b>0</b>        |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u> |
|             | Mass Failures:                 |                          |
|             | Average Height (ft.):          |                          |
|             | Mass Failures:                 | <b>None</b>              |
|             | Average Heigh (ft.):           |                          |
|             | Gullies:                       | <b>None</b>              |
|             | Number of Gullies              | <b>0</b>                 |
|             | Total Length of Gullies (ft.): | <b>0.0</b>               |
|             | Average Height of Gullies      |                          |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>7</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>1</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>4</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>1</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>1</b>                           |
|             | Head Cuts:                  | <b>1</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>None</b>                        |
|             | Length (ft.):               | <b>0.0</b>                         |
|             | Dredging:                   | <b>None</b>                        |



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Wells River

SGAT Version: 4.56

Reach: **M15S1.01 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>               |
|-------------|--------------------------------|----------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Path Length (ft.):             | <b>271.3</b> <b>0.0</b>    |
|             | Road Length (ft.):             | <b>2,001.4</b> <b>0.0</b>  |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>      |
|             | Development Length:            | <b>0.0</b> <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>318.2</b> <b>528.7</b>  |
|             | Erosion Height (ft.):          | <b>1.9</b> <b>2.4</b>      |
|             | Revetment Type:                | <b>None</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b> <b>274.8</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b> <b>13</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>   |
|             | Mass Failures:                 |                            |
|             | Average Height (ft.):          |                            |
|             | Mass Failures:                 | <b>None</b>                |
|             | Average Heigh (ft.):           |                            |
|             | Gullies:                       | <b>None</b>                |
|             | Number of Gullies              | <b>0</b>                   |
|             | Total Length of Gullies (ft.): |                            |
|             | Average Height of Gullies      |                            |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>27</b>            |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>10</b>            |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>21</b>            |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>1</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>7</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>250.3</b>         |
|             | Dredging:                   | <b>None</b>          |



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Wells River

SGAT Version: 4.56

Reach: **M14S2.01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>298.3</b>   | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>39.9</b>    | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>138.2</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>196.5</b>   | <b>150.9</b>   |
|             | Erosion Height (ft.):          | <b>4.1</b>     | <b>3.4</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>140.8</b>   | <b>370.3</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>4</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>2</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>6</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>1</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>2</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>Yes</b>                |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,232.9</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M12S2.01 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>580.0</b> <b>113.3</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>146.0</b> <b>589.5</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>82.9</b> <b>22.7</b>         |
|             | Erosion Height (ft.):          | <b>8.0</b> <b>4.0</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>589.9</b> <b>532.9</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>585</b> <b>556</b>           |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>1</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>3</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,033.0</b>            |
|             | Dredging:                   | <b>None</b>               |





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Wells River

SGAT Version: 4.56

Reach: **M12S2.01 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>580.0</b> <b>113.3</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>146.0</b> <b>589.5</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>82.9</b> <b>22.7</b>         |
|             | Erosion Height (ft.):          | <b>8.0</b> <b>4.0</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>589.9</b> <b>532.9</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>585</b> <b>556</b>           |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>4</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>3</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,033.0</b>            |
|             | Dredging:                   | <b>None</b>               |



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Wells River

SGAT Version: 4.56

Reach: **M12S2.01 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                    |
|-------------|--------------------------------|---------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                     |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>          |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>           |
|             | Road Length (ft.):             | <b>580.0</b> <b>113.3</b>       |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>           |
|             | Development Length:            | <b>146.0</b> <b>589.5</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>        |
|             | Erosion Length (ft.):          | <b>82.9</b> <b>22.7</b>         |
|             | Erosion Height (ft.):          | <b>8.0</b> <b>4.0</b>           |
|             | Revetment Type:                | <b>Multiple</b> <b>Multiple</b> |
|             | Revetment length               | <b>589.9</b> <b>532.9</b>       |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>585</b> <b>556</b>           |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>        |
|             | Mass Failures:                 |                                 |
|             | Average Height (ft.):          |                                 |
|             | Mass Failures:                 | <b>None</b>                     |
|             | Average Heigh (ft.):           |                                 |
|             | Gullies:                       | <b>None</b>                     |
|             | Number of Gullies              | <b>0</b>                        |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                      |
|             | Average Height of Gullies      |                                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>3</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,033.0</b>            |
|             | Dredging:                   | <b>None</b>               |



# Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov  
November, 22 2024

## Phase 2 - FIT - Legacy Data Report

## Wells River

SGAT Version: **4.56**

Reach: **M04S3.01 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>     | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>184.5</b>   | <b>74.7</b>    |
|             | Erosion Height (ft.):          | <b>2.1</b>     | <b>1.7</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length               | <b>22.9</b>    | <b>127.1</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | 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:      | <b>3</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>2</b>             |
|             | Neck Cutoffs:               | <b>2</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>50.9</b>          |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M04S3.01 -C**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |                |
|-------------|--------------------------------|--------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>123.2</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>     |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>35.5</b>  | <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>2.0</b>   | <b>0.0</b>     |
|             | Revetment Type:                | <b>None</b>  | <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b>   | <b>25.8</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>645</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u>   |
|             | Mass Failures:                 |              |                |
|             | Average Height (ft.):          |              |                |
|             | Mass Failures:                 | <b>None</b>  |                |
|             | Average Heigh (ft.):           |              |                |
|             | Gullies:                       | <b>None</b>  |                |
|             | 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:      | <b>1</b>         |
| 4.5         | Flow Regulation Type:       | <b>None</b>      |
|             | Use:                        |                  |
| 4.7         | Stormwater Inputs           |                  |
|             | Overland Flow               | Road Ditch       |
|             | Field Ditch                 | Tile Drain       |
|             | Other                       | Ub Strm Wtr Pipe |
| 4.9         | Beaver Dams:                | <b>0</b>         |
|             | Affected length (ft.):      | <b>0.0</b>       |
| 5.2         | Migration Features          |                  |
|             | Flood Chutes:               | <b>3</b>         |
|             | Neck Cutoffs:               | <b>0</b>         |
|             | Channel Avulsions:          | <b>0</b>         |
|             | Braiding:                   | <b>0</b>         |
| 5.3         | Steep Riffles and Head Cuts |                  |
|             | Steep Riffles:              | <b>0</b>         |
|             | Head Cuts:                  | <b>0</b>         |
| 5.4         | Animal Crossings:           | <b>No</b>        |
| 5.5         | Channel Alterations         |                  |
|             | Straightening:              | <b>None</b>      |
|             | Length (ft.):               | <b>0.0</b>       |
|             | Dredging:                   | <b>None</b>      |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.06 -C**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>30.7</b>  | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>0.0</b>   | <b>0.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>97.4</b>  | <b>119.7</b> |
|             | Erosion Height (ft.):          | <b>2.2</b>   | <b>2.4</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>629</b>   | <b>1867</b>  |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Number of Gullies              | <b>0</b>     |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |              |
|             | Average Height of Gullies      |              |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>           |
|-------------|-----------------------------|------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>               |
| 4.5         | Flow Regulation Type:       | <b>None</b>            |
|             | Use:                        |                        |
| 4.7         | Stormwater Inputs           |                        |
|             | Overland Flow               | <b>0</b>               |
|             | Road Ditch                  | <b>0</b>               |
|             | Field Ditch                 | <b>2</b>               |
|             | Tile Drain                  | <b>0</b>               |
|             | Other                       | <b>0</b>               |
|             | Ub Strm Wtr Pipe            | <b>0</b>               |
| 4.9         | Beaver Dams:                | <b>0</b>               |
|             | Affected length (ft.):      | <b>0.0</b>             |
| 5.2         | Migration Features          |                        |
|             | Flood Chutes:               | <b>23</b>              |
|             | Neck Cutoffs:               | <b>1</b>               |
|             | Channel Avulsions:          | <b>0</b>               |
|             | Braiding:                   | <b>2</b>               |
| 5.3         | Steep Riffles and Head Cuts |                        |
|             | Steep Riffles:              | <b>2</b>               |
|             | Head Cuts:                  | <b>2</b>               |
| 5.4         | Animal Crossings:           | <b>Yes</b>             |
| 5.5         | Channel Alterations         |                        |
|             | Straightening:              | <b>With Windrowing</b> |
|             | Length (ft.):               | <b>2,774.0</b>         |
|             | Dredging:                   | <b>Dredging</b>        |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.06 -B**

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

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>2</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>1</b>             |
|             | Affected length (ft.):      | <b>150.0</b>         |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>5</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>1</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>52.4</b>          |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M15 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Road Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Railroad Lenth (ft.):          | <b>3,681.4</b> <b>0.0</b>     |
|             | Development Length:            | <b>616.0</b> <b>0.0</b>       |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>198.6</b> <b>306.7</b>     |
|             | Erosion Height (ft.):          | <b>7.5</b> <b>5.0</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>39.5</b> <b>410.9</b>      |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>151</b> <b>2747</b>        |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>3</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>0</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>3,736.7</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                 |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>     |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b>      | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>825.2</b>    | <b>1,886.1</b>  |
|             | Railroad Lenth (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Development Length:            | <b>509.6</b>    | <b>1,298.2</b>  |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>228.6</b>    | <b>185.9</b>    |
|             | Erosion Height (ft.):          | <b>1.9</b>      | <b>2.8</b>      |
|             | Revetment Type:                | <b>Multiple</b> | <b>Multiple</b> |
|             | Revetment length               | <b>1,164.0</b>  | <b>1,500.6</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>806</b>      | <b>244</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>    |
|             | Mass Failures:                 |                 |                 |
|             | Average Height (ft.):          |                 |                 |
|             | Mass Failures:                 | <b>None</b>     |                 |
|             | Average Heigh (ft.):           |                 |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | Number of Gullies              | <b>0</b>        |                 |
|             | Total Length of Gullies (ft.): | <b>0.0</b>      |                 |
|             | Average Height of Gullies      |                 |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>2</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>4</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>1</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>2,839.2</b>       |
|             | Dredging:                   | <b>None</b>          |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M11T1.03 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |                |
|-------------|--------------------------------|--------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>886.9</b> | <b>115.3</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>     |
|             | Development Length:            | <b>146.2</b> | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>0.0</b>   | <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>0.0</b>   | <b>0.0</b>     |
|             | Revetment Type:                | <b>None</b>  | <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b>   | <b>10.7</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>     | <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u>   |
|             | Mass Failures:                 |              |                |
|             | Average Height (ft.):          |              |                |
|             | Mass Failures:                 | <b>None</b>  |                |
|             | Average Heigh (ft.):           |              |                |
|             | Gullies:                       | <b>None</b>  |                |
|             | Number of Gullies              | <b>0</b>     |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>   |                |
|             | Average Height of Gullies      |              |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>10</b>            |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | Road Ditch           |
|             | Field Ditch                 | Tile Drain           |
|             | Other                       | Ub Strm Wtr Pipe     |
| 4.9         | Beaver Dams:                | <b>10</b>            |
|             | Affected length (ft.):      | <b>1,800.0</b>       |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>2</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>3</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>0</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>188.3</b>         |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M18T3.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>544.5</b> <b>0.0</b>       |
|             | Road Length (ft.):             | <b>2,180.3</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>90.3</b> <b>0.0</b>        |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>349.5</b> <b>223.7</b>     |
|             | Erosion Height (ft.):          | <b>2.6</b> <b>3.2</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>331.8</b> <b>154.8</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>243</b> <b>429</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>101.3998</b>               |
|             | Average Height (ft.):          | <b>9.1</b>                    |
|             | Mass Failures:                 | <b>Multiple</b>               |
|             | Average Heigh (ft.):           | <b>9.0</b>                    |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>3</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>0</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>11</b>                          |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>1</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>3</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>Yes</b>                         |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>With Windrowing</b>             |
|             | Length (ft.):               | <b>354.1</b>                       |
|             | Dredging:                   | <b>None</b>                        |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M18T3.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>544.5</b> <b>0.0</b>       |
|             | Road Length (ft.):             | <b>2,180.3</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>90.3</b> <b>0.0</b>        |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>349.5</b> <b>223.7</b>     |
|             | Erosion Height (ft.):          | <b>2.6</b> <b>3.2</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>331.8</b> <b>154.8</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>243</b> <b>429</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>101.3998</b>               |
|             | Average Height (ft.):          | <b>9.1</b>                    |
|             | Mass Failures:                 | <b>Multiple</b>               |
|             | Average Heigh (ft.):           | <b>9.0</b>                    |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>           |
|-------------|-----------------------------|------------------------|
| 4.4         | Number of Debris Jams:      | <b>3</b>               |
| 4.5         | Flow Regulation Type:       | <b>None</b>            |
|             | Use:                        |                        |
| 4.7         | Stormwater Inputs           |                        |
|             | Overland Flow               | <b>0</b>               |
|             | Road Ditch                  | <b>5</b>               |
|             | Field Ditch                 | <b>0</b>               |
|             | Tile Drain                  | <b>0</b>               |
|             | Other                       | <b>0</b>               |
|             | Ub Strm Wtr Pipe            | <b>0</b>               |
| 4.9         | Beaver Dams:                | <b>0</b>               |
|             | Affected length (ft.):      | <b>0.0</b>             |
| 5.2         | Migration Features          |                        |
|             | Flood Chutes:               | <b>11</b>              |
|             | Neck Cutoffs:               | <b>0</b>               |
|             | Channel Avulsions:          | <b>0</b>               |
|             | Braiding:                   | <b>1</b>               |
| 5.3         | Steep Riffles and Head Cuts |                        |
|             | Steep Riffles:              | <b>3</b>               |
|             | Head Cuts:                  | <b>0</b>               |
| 5.4         | Animal Crossings:           | <b>Yes</b>             |
| 5.5         | Channel Alterations         |                        |
|             | Straightening:              | <b>With Windrowing</b> |
|             | Length (ft.):               | <b>354.1</b>           |
|             | Dredging:                   | <b>None</b>            |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M18T3.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                   |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Path Length (ft.):             | <b>544.5</b> <b>0.0</b>       |
|             | Road Length (ft.):             | <b>2,180.3</b> <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>90.3</b> <b>0.0</b>        |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>349.5</b> <b>223.7</b>     |
|             | Erosion Height (ft.):          | <b>2.6</b> <b>3.2</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>331.8</b> <b>154.8</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>243</b> <b>429</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 | <b>101.3998</b>               |
|             | Average Height (ft.):          | <b>9.1</b>                    |
|             | Mass Failures:                 | <b>Multiple</b>               |
|             | Average Heigh (ft.):           | <b>9.0</b>                    |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>3</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>0</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>2</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>11</b>                          |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>1</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>3</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>Yes</b>                         |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>With Windrowing</b>             |
|             | Length (ft.):               | <b>354.1</b>                       |
|             | Dredging:                   | <b>None</b>                        |



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Wells River

SGAT Version: 4.56

Reach: **M17 -A**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>    |                 |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>     |                 |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>      | <u>Both</u>     |
|             | Berm Length (ft.):             | <b>735.6</b>    | <b>0.0</b>      |
|             | Path Length (ft.):             | <b>222.3</b>    | <b>0.0</b>      |
|             | Road Length (ft.):             | <b>575.5</b>    | <b>963.2</b>    |
|             | Railroad Lenth (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Development Length:            | <b>823.3</b>    | <b>1,846.7</b>  |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Erosion Height (ft.):          | <b>0.0</b>      | <b>0.0</b>      |
|             | Revetment Type:                | <b>Multiple</b> | <b>Multiple</b> |
|             | Revetment length               | <b>1,470.7</b>  | <b>516.0</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>2033</b>     | <b>785</b>      |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>     | <u>Right</u>    |
|             | Mass Failures:                 |                 |                 |
|             | Average Height (ft.):          |                 |                 |
|             | Mass Failures:                 | <b>None</b>     |                 |
|             | Average Heigh (ft.):           |                 |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | Number of Gullies              | <b>0</b>        |                 |
|             | Total Length of Gullies (ft.): | <b>0.0</b>      |                 |
|             | Average Height of Gullies      |                 |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>            |
|-------------|-----------------------------|-------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                |
| 4.5         | Flow Regulation Type:       | <b>Small Withdrawal</b> |
|             | Use:                        | <b>Other</b>            |
| 4.7         | Stormwater Inputs           |                         |
|             | Overland Flow               | <b>0</b>                |
|             | Road Ditch                  | <b>0</b>                |
|             | Field Ditch                 | <b>0</b>                |
|             | Tile Drain                  | <b>0</b>                |
|             | Other                       | <b>0</b>                |
|             | Ub Strm Wtr Pipe            | <b>0</b>                |
| 4.9         | Beaver Dams:                | <b>0</b>                |
|             | Affected length (ft.):      | <b>0.0</b>              |
| 5.2         | Migration Features          |                         |
|             | Flood Chutes:               | <b>1</b>                |
|             | Neck Cutoffs:               | <b>0</b>                |
|             | Channel Avulsions:          | <b>0</b>                |
|             | Braiding:                   | <b>2</b>                |
| 5.3         | Steep Riffles and Head Cuts |                         |
|             | Steep Riffles:              | <b>1</b>                |
|             | Head Cuts:                  | <b>0</b>                |
| 5.4         | Animal Crossings:           | <b>No</b>               |
| 5.5         | Channel Alterations         |                         |
|             | Straightening:              | <b>Straightening</b>    |
|             | Length (ft.):               | <b>3,788.9</b>          |
|             | Dredging:                   | <b>None</b>             |



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Wells River

SGAT Version: 4.56

Reach: **M10 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |                |
|-------------|--------------------------------|----------------|----------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>    |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>     |
|             | Road Length (ft.):             | <b>2,163.1</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>2,507.2</b> | <b>0.0</b>     |
|             | Development Length:            | <b>113.0</b>   | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>445.6</b>   | <b>280.5</b>   |
|             | Erosion Height (ft.):          | <b>5.0</b>     | <b>4.0</b>     |
|             | Revetment Type:                | <b>None</b>    | <b>Rip-Rap</b> |
|             | Revetment length               | <b>0.0</b>     | <b>1,078.0</b> |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>0</b>       | <b>921</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u>   |
|             | Mass Failures:                 |                |                |
|             | Average Height (ft.):          |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Heigh (ft.):           |                |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Number of Gullies              | <b>0</b>       |                |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |                |
|             | Average Height of Gullies      |                |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.5         | Flow Regulation Type:       | <b>None</b>          |
|             | Use:                        |                      |
| 4.7         | Stormwater Inputs           |                      |
|             | Overland Flow               | <b>0</b>             |
|             | Road Ditch                  | <b>1</b>             |
|             | Field Ditch                 | <b>0</b>             |
|             | Tile Drain                  | <b>0</b>             |
|             | Other                       | <b>0</b>             |
|             | Ub Strm Wtr Pipe            | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length (ft.):      | <b>0.0</b>           |
| 5.2         | Migration Features          |                      |
|             | Flood Chutes:               | <b>1</b>             |
|             | Neck Cutoffs:               | <b>0</b>             |
|             | Channel Avulsions:          | <b>0</b>             |
|             | Braiding:                   | <b>1</b>             |
| 5.3         | Steep Riffles and Head Cuts |                      |
|             | Steep Riffles:              | <b>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Length (ft.):               | <b>2,507.1</b>       |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M08 -C**

| <u>Step</u> | <u>Description</u>             | <u>Value</u> |              |
|-------------|--------------------------------|--------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>  |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>   | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>   | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>843.1</b> | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>542.5</b> | <b>177.5</b> |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>  | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>  | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1201</b>  | <b>412</b>   |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>  | <u>Right</u> |
|             | Mass Failures:                 |              |              |
|             | Average Height (ft.):          |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Heigh (ft.):           |              |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | 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:      | <b>0</b>              |
| 4.5         | Flow Regulation Type:       | <b>Large Bypass</b>   |
|             | Use:                        | <b>Hydro-electric</b> |
| 4.7         | Stormwater Inputs           |                       |
|             | Overland Flow               | Road Ditch            |
|             | Field Ditch                 | Tile Drain            |
|             | Other                       | Ub Strm Wtr Pipe      |
| 4.9         | Beaver Dams:                | <b>0</b>              |
|             | Affected length (ft.):      | <b>0.0</b>            |
| 5.2         | Migration Features          |                       |
|             | Flood Chutes:               | <b>0</b>              |
|             | Neck Cutoffs:               | <b>0</b>              |
|             | Channel Avulsions:          | <b>0</b>              |
|             | Braiding:                   | <b>0</b>              |
| 5.3         | Steep Riffles and Head Cuts |                       |
|             | Steep Riffles:              | <b>0</b>              |
|             | Head Cuts:                  | <b>0</b>              |
| 5.4         | Animal Crossings:           | <b>No</b>             |
| 5.5         | Channel Alterations         |                       |
|             | Straightening:              | <b>Straightening</b>  |
|             | Length (ft.):               | <b>887.8</b>          |
|             | Dredging:                   | <b>None</b>           |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M18T3.01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>Yes</b>                    |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>74.8</b> <b>0.0</b>        |
|             | Path Length (ft.):             | <b>133.0</b> <b>0.0</b>       |
|             | Road Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>764.8</b> <b>195.5</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>652.1</b> <b>0.0</b>       |
|             | Erosion Height (ft.):          | <b>3.4</b> <b>0.0</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>322.4</b> <b>298.9</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>775</b> <b>455</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>1</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>0</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>7</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>2</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>Straightening</b>               |
|             | Length (ft.):               | <b>950.5</b>                       |
|             | Dredging:                   | <b>None</b>                        |





Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M18T3.01 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>                  |
|-------------|--------------------------------|-------------------------------|
| 1.2         | Alluvial Fan:                  | <b>Yes</b>                    |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>        |
|             | Berm Length (ft.):             | <b>74.8</b> <b>0.0</b>        |
|             | Path Length (ft.):             | <b>133.0</b> <b>0.0</b>       |
|             | Road Length (ft.):             | <b>0.0</b> <b>0.0</b>         |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>         |
|             | Development Length:            | <b>764.8</b> <b>195.5</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>652.1</b> <b>0.0</b>       |
|             | Erosion Height (ft.):          | <b>3.4</b> <b>0.0</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length               | <b>322.4</b> <b>298.9</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>775</b> <b>455</b>         |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>      |
|             | Mass Failures:                 |                               |
|             | Average Height (ft.):          |                               |
|             | Mass Failures:                 | <b>None</b>                   |
|             | Average Heigh (ft.):           |                               |
|             | Gullies:                       | <b>None</b>                   |
|             | Number of Gullies              | <b>0</b>                      |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                    |
|             | Average Height of Gullies      |                               |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>                       |
|-------------|-----------------------------|------------------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                           |
| 4.5         | Flow Regulation Type:       | <b>None</b>                        |
|             | Use:                        |                                    |
| 4.7         | Stormwater Inputs           |                                    |
|             | Overland Flow               | <b>0</b> Road Ditch <b>0</b>       |
|             | Field Ditch                 | <b>0</b> Tile Drain <b>0</b>       |
|             | Other                       | <b>1</b> Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                           |
|             | Affected length (ft.):      | <b>0.0</b>                         |
| 5.2         | Migration Features          |                                    |
|             | Flood Chutes:               | <b>7</b>                           |
|             | Neck Cutoffs:               | <b>0</b>                           |
|             | Channel Avulsions:          | <b>0</b>                           |
|             | Braiding:                   | <b>0</b>                           |
| 5.3         | Steep Riffles and Head Cuts |                                    |
|             | Steep Riffles:              | <b>2</b>                           |
|             | Head Cuts:                  | <b>0</b>                           |
| 5.4         | Animal Crossings:           | <b>No</b>                          |
| 5.5         | Channel Alterations         |                                    |
|             | Straightening:              | <b>Straightening</b>               |
|             | Length (ft.):               | <b>950.5</b>                       |
|             | Dredging:                   | <b>None</b>                        |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M17 -B**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>               |
|-------------|--------------------------------|----------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Road Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>      |
|             | Development Length:            | <b>0.0</b> <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>37.7</b> <b>0.0</b>     |
|             | Erosion Height (ft.):          | <b>3.0</b> <b>0.0</b>      |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>None</b> |
|             | Revetment length               | <b>365.9</b> <b>0.0</b>    |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1212</b> <b>793</b>     |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>   |
|             | Mass Failures:                 | <b>55.43277</b>            |
|             | Average Height (ft.):          | <b>12.0</b>                |
|             | Mass Failures:                 | <b>One</b>                 |
|             | Average Heigh (ft.):           | <b>12.0</b>                |
|             | Gullies:                       | <b>None</b>                |
|             | Number of Gullies              | <b>0</b>                   |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                 |
|             | Average Height of Gullies      |                            |

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



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M19T4.02 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>               |
|-------------|--------------------------------|----------------------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>                |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u> <u>Both</u>     |
|             | Berm Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Path Length (ft.):             | <b>0.0</b> <b>0.0</b>      |
|             | Road Length (ft.):             | <b>1,618.1</b> <b>0.0</b>  |
|             | Railroad Lenth (ft.):          | <b>0.0</b> <b>0.0</b>      |
|             | Development Length:            | <b>0.0</b> <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>164.4</b> <b>228.0</b>  |
|             | Erosion Height (ft.):          | <b>2.1</b> <b>2.1</b>      |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>None</b> |
|             | Revetment length               | <b>1,091.5</b> <b>0.0</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>1185</b> <b>0</b>       |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u> <u>Right</u>   |
|             | Mass Failures:                 |                            |
|             | Average Height (ft.):          |                            |
|             | Mass Failures:                 | <b>None</b>                |
|             | Average Heigh (ft.):           |                            |
|             | Gullies:                       | <b>None</b>                |
|             | Number of Gullies              | <b>0</b>                   |
|             | Total Length of Gullies (ft.): | <b>0.0</b>                 |
|             | Average Height of Gullies      |                            |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>1</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>7</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>0</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>8</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>0</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>1</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>1,978.8</b>            |
|             | Dredging:                   | <b>None</b>               |



Phase 2 - FIT - Legacy Data Report

Wells River

SGAT Version: 4.56

Reach: **M20 -0**

| <u>Step</u> | <u>Description</u>             | <u>Value</u>   |              |
|-------------|--------------------------------|----------------|--------------|
| 1.2         | Alluvial Fan:                  | <b>None</b>    |              |
| 1.3         | <u>Encroachments - Side</u>    | <u>One</u>     | <u>Both</u>  |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>   |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>   |
|             | Road Length (ft.):             | <b>536.5</b>   | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>   |
|             | Development Length:            | <b>1,102.5</b> | <b>720.4</b> |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>0.0</b>     | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>0.0</b>     | <b>0.0</b>   |
|             | Revetment Type:                | <b>None</b>    | <b>None</b>  |
|             | Revetment length               | <b>0.0</b>     | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> | <b>110</b>     | <b>478</b>   |
| 3.3         | <u>Riparian Corridor</u>       | <u>Left</u>    | <u>Right</u> |
|             | Mass Failures:                 |                |              |
|             | Average Height (ft.):          |                |              |
|             | Mass Failures:                 | <b>None</b>    |              |
|             | Average Heigh (ft.):           |                |              |
|             | Gullies:                       | <b>None</b>    |              |
|             | Number of Gullies              | <b>0</b>       |              |
|             | Total Length of Gullies (ft.): | <b>0.0</b>     |              |
|             | Average Height of Gullies      |                |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>              |
|-------------|-----------------------------|---------------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>                  |
| 4.5         | Flow Regulation Type:       | <b>None</b>               |
|             | Use:                        |                           |
| 4.7         | Stormwater Inputs           |                           |
|             | Overland Flow <b>0</b>      | Road Ditch <b>0</b>       |
|             | Field Ditch <b>0</b>        | Tile Drain <b>0</b>       |
|             | Other <b>1</b>              | Ub Strm Wtr Pipe <b>0</b> |
| 4.9         | Beaver Dams:                | <b>0</b>                  |
|             | Affected length (ft.):      | <b>0.0</b>                |
| 5.2         | Migration Features          |                           |
|             | Flood Chutes:               | <b>2</b>                  |
|             | Neck Cutoffs:               | <b>0</b>                  |
|             | Channel Avulsions:          | <b>0</b>                  |
|             | Braiding:                   | <b>1</b>                  |
| 5.3         | Steep Riffles and Head Cuts |                           |
|             | Steep Riffles:              | <b>1</b>                  |
|             | Head Cuts:                  | <b>0</b>                  |
| 5.4         | Animal Crossings:           | <b>No</b>                 |
| 5.5         | Channel Alterations         |                           |
|             | Straightening:              | <b>Straightening</b>      |
|             | Length (ft.):               | <b>2,112.4</b>            |
|             | Dredging:                   | <b>None</b>               |