



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R16 -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>3,403.8</b> |
|             | Railroad Lenth (ft.):          | <b>0.0</b>     | <b>0.0</b>     |
|             | Development Length:            | <b>2,743.6</b> | <b>150.9</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>1,305.3</b> | <b>104.8</b>   |
|             | Erosion Height (ft.):          | <b>6.2</b>     | <b>8.0</b>     |
|             | Revetment Type:                | <b>None</b>    | <b>Rip-Rap</b> |
|             | Revetment length:              | <b>0.0</b>     | <b>206.2</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                |                |
| 3.3         | <u>Riparian Corridor</u>       |                |                |
|             | Mass Failures:                 | <b>One</b>     |                |
|             | Average Height (ft.):          | <b>30.0</b>    |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Average Height (ft.):          | <b>0.0</b>     |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>1</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R21 -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>9,480.0</b>  | <b>0.0</b>      |
|             | Railroad Lenth (ft.):          | <b>10,758.1</b> | <b>0.0</b>      |
|             | Development Length:            | <b>5,856.8</b>  | <b>0.0</b>      |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>4,533.7</b>  | <b>3,288.3</b>  |
|             | Erosion Height (ft.):          | <b>7.1</b>      | <b>7.3</b>      |
|             | Revetment Type:                | <b>Multiple</b> | <b>Multiple</b> |
|             | Revetment length:              | <b>1,040.3</b>  | <b>1,495.7</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                 |                 |
| 3.3         | <u>Riparian Corridor</u>       |                 |                 |
|             | Mass Failures:                 | <b>None</b>     |                 |
|             | Average Height (ft.):          | <b>0.0</b>      |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | Average Height (ft.):          | <b>0.0</b>      |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>2</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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> |
|             | Dredging:                   | <b>None</b>          |



# Stream Geomorphic Assessment

Agency of Natural Resources



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June, 17 2026

## Phase 2 - FIT - Legacy Data Report

## Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R22 -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>1,697.4</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>3,498.8</b> | <b>0.0</b>     |
|             | Development Length:            | <b>207.6</b>   | <b>795.0</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>1,497.8</b> | <b>407.9</b>   |
|             | Erosion Height (ft.):          | <b>5.9</b>     | <b>5.0</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length:              | <b>393.4</b>   | <b>1,019.4</b> |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                |                |
| 3.3         | <u>Riparian Corridor</u>       |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Height (ft.):          | <b>0.0</b>     |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Average Height (ft.):          | <b>0.0</b>     |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Dredging:                   | <b>None</b>          |



# Stream Geomorphic Assessment

Agency of Natural Resources



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June, 17 2026

## Phase 2 - FIT - Legacy Data Report

## Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R22 -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>2,712.6</b> | <b>482.7</b> |
|             | Railroad Lenth (ft.):          | <b>3,258.0</b> | <b>0.0</b>   |
|             | Development Length:            | <b>2,093.1</b> | <b>78.4</b>  |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u> |
|             | Erosion Length (ft.):          | <b>258.7</b>   | <b>0.0</b>   |
|             | Erosion Height (ft.):          | <b>5.0</b>     | <b>0.0</b>   |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>None</b>  |
|             | Revetment length:              | <b>201.7</b>   | <b>0.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                |              |
| 3.3         | <u>Riparian Corridor</u>       |                |              |
|             | Mass Failures:                 | <b>None</b>    |              |
|             | Average Height (ft.):          | <b>0.0</b>     |              |
|             | Gullies:                       | <b>None</b>    |              |
|             | Average Height (ft.):          | <b>0.0</b>     |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>     |
| 4.7         | Stormwater Inputs           | <b>0</b>     |
| 4.9         | Beaver Dams:                | <b>0</b>     |
|             | Affected length:            | <b>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>  |
|             | Dredging:                   | <b>None</b>  |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R14 -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>2,087.2</b>  | <b>307.1</b> |
|             | Railroad Lenth (ft.):          | <b>1,498.6</b>  | <b>0.0</b>   |
|             | Development Length:            | <b>281.9</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>218.9</b> |
|             | Erosion Height (ft.):          | <b>0.0</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> |                 |              |
| 3.3         | <u>Riparian Corridor</u>       |                 |              |
|             | Mass Failures:                 | <b>Multiple</b> |              |
|             | Average Height (ft.):          | <b>62.5</b>     |              |
|             | Gullies:                       | <b>None</b>     |              |
|             | Average Height (ft.):          | <b>0.0</b>      |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>     |
| 4.7         | Stormwater Inputs           | <b>0</b>     |
| 4.9         | Beaver Dams:                | <b>0</b>     |
|             | Affected length:            | <b>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>  |
|             | Dredging:                   | <b>None</b>  |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R14 -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>2,585.8</b>  | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>2,592.8</b>  | <b>0.0</b>     |
|             | Development Length:            | <b>1,559.4</b>  | <b>1,045.0</b> |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>559.0</b>    | <b>634.8</b>   |
|             | Erosion Height (ft.):          | <b>3.3</b>      | <b>3.3</b>     |
|             | Revetment Type:                | <b>Multiple</b> | <b>Rip-Rap</b> |
|             | Revetment length:              | <b>1,177.5</b>  | <b>228.8</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                 |                |
| 3.3         | <u>Riparian Corridor</u>       |                 |                |
|             | Mass Failures:                 | <b>None</b>     |                |
|             | Average Height (ft.):          | <b>0.0</b>      |                |
|             | Gullies:                       | <b>None</b>     |                |
|             | Average Height (ft.):          | <b>0.0</b>      |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>5</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Dredging:                   | <b>None</b>          |



# Stream Geomorphic Assessment

Agency of Natural Resources



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June, 17 2026

## Phase 2 - FIT - Legacy Data Report

## Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R22 -C**

| <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>     | <u>Both</u>     | 4.7         | Stormwater Inputs           | <b>0</b>     |
|             | Berm Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      | 4.9         | Beaver Dams:                | <b>0</b>     |
|             | Path Length (ft.):             | <b>0.0</b>     | <b>0.0</b>      |             | Affected length:            | <b>0</b>     |
|             | Road Length (ft.):             | <b>136.3</b>   | <b>0.0</b>      | 5.2         | Migration Features          |              |
|             | Railroad Lenth (ft.):          | <b>2,178.6</b> | <b>0.0</b>      |             | Flood Chutes:               | <b>0</b>     |
|             | Development Length:            | <b>621.4</b>   | <b>0.0</b>      |             | Neck Cutoffs:               | <b>0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>    |             | Channel Avulsions:          | <b>0</b>     |
|             | Erosion Length (ft.):          | <b>347.1</b>   | <b>0.0</b>      |             | Braiding:                   | <b>0</b>     |
|             | Erosion Height (ft.):          | <b>5.0</b>     | <b>0.0</b>      | 5.3         | Steep Riffles and Head Cuts |              |
|             | Revetment Type:                | <b>None</b>    | <b>Multiple</b> |             | Steep Riffles:              | <b>0</b>     |
|             | Revetment length:              | <b>0.0</b>     | <b>298.8</b>    |             | Head Cuts:                  | <b>0</b>     |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                |                 | 5.4         | Animal Crossings:           | <b>No</b>    |
| 3.3         | <u>Riparian Corridor</u>       |                |                 | 5.5         | Channel Alterations         |              |
|             | Mass Failures:                 | <b>None</b>    |                 |             | Straightening:              | <b>None</b>  |
|             | Average Height (ft.):          | <b>0.0</b>     |                 |             | Dredging:                   | <b>None</b>  |
|             | Gullies:                       | <b>None</b>    |                 |             |                             |              |
|             | Average Height (ft.):          | <b>0.0</b>     |                 |             |                             |              |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R20 -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>3,660.2</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>3,991.3</b> | <b>0.0</b>     |
|             | Development Length:            | <b>3,076.1</b> | <b>319.1</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>1,556.6</b> | <b>2,670.1</b> |
|             | Erosion Height (ft.):          | <b>4.8</b>     | <b>6.8</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length:              | <b>1,013.5</b> | <b>1,211.5</b> |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                |                |
| 3.3         | <u>Riparian Corridor</u>       |                |                |
|             | Mass Failures:                 | <b>One</b>     |                |
|             | Average Height (ft.):          | <b>35.0</b>    |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Average Height (ft.):          | <b>0.0</b>     |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>2</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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> |
|             | Dredging:                   | <b>Gravel Mining</b> |



# Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov  
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## Phase 2 - FIT - Legacy Data Report

## Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R23 -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>18,984.4</b> | <b>1,707.7</b> |
|             | Railroad Lenth (ft.):          | <b>18,355.1</b> | <b>0.0</b>     |
|             | Development Length:            | <b>8,664.4</b>  | <b>783.5</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>8,083.9</b>  | <b>7,908.9</b> |
|             | Erosion Height (ft.):          | <b>7.8</b>      | <b>8.0</b>     |
|             | Revetment Type:                | <b>Multiple</b> | <b>Rip-Rap</b> |
|             | Revetment length:              | <b>1,001.4</b>  | <b>2,163.7</b> |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                 |                |
| 3.3         | <u>Riparian Corridor</u>       |                 |                |
|             | Mass Failures:                 | <b>None</b>     |                |
|             | Average Height (ft.):          | <b>0.0</b>      |                |
|             | Gullies:                       | <b>None</b>     |                |
|             | Average Height (ft.):          | <b>0.0</b>      |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>9</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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>2</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R22 -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>1,210.8</b> | <b>2,649.1</b> |
|             | Railroad Lenth (ft.):          | <b>3,901.0</b> | <b>0.0</b>     |
|             | Development Length:            | <b>1,981.2</b> | <b>1,414.9</b> |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>    | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>553.0</b>   | <b>1,462.3</b> |
|             | Erosion Height (ft.):          | <b>6.9</b>     | <b>6.9</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b> | <b>Rip-Rap</b> |
|             | Revetment length:              | <b>1,382.3</b> | <b>987.0</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                |                |
| 3.3         | <u>Riparian Corridor</u>       |                |                |
|             | Mass Failures:                 | <b>None</b>    |                |
|             | Average Height (ft.):          | <b>0.0</b>     |                |
|             | Gullies:                       | <b>None</b>    |                |
|             | Average Height (ft.):          | <b>0.0</b>     |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>1</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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>1</b>             |
|             | Head Cuts:                  | <b>0</b>             |
| 5.4         | Animal Crossings:           | <b>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R23 -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>935.2</b> | <b>0.0</b>   |
|             | Railroad Lenth (ft.):          | <b>0.0</b>   | <b>0.0</b>   |
|             | Development Length:            | <b>973.3</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>43.8</b>  |
|             | Erosion Height (ft.):          | <b>0.0</b>   | <b>8.0</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> |              |              |
| 3.3         | <u>Riparian Corridor</u>       |              |              |
|             | Mass Failures:                 | <b>None</b>  |              |
|             | Average Height (ft.):          | <b>0.0</b>   |              |
|             | Gullies:                       | <b>None</b>  |              |
|             | Average Height (ft.):          | <b>0.0</b>   |              |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>0</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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> |
|             | Dredging:                   | <b>Dredging</b>      |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R19 -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>10,053.4</b> | <b>0.0</b>     |
|             | Railroad Lenth (ft.):          | <b>10,053.6</b> | <b>0.0</b>     |
|             | Development Length:            | <b>3,857.5</b>  | <b>0.0</b>     |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>   |
|             | Erosion Length (ft.):          | <b>5,884.8</b>  | <b>5,796.9</b> |
|             | Erosion Height (ft.):          | <b>6.9</b>      | <b>6.9</b>     |
|             | Revetment Type:                | <b>Rip-Rap</b>  | <b>Rip-Rap</b> |
|             | Revetment length:              | <b>922.4</b>    | <b>2,594.0</b> |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                 |                |
| 3.3         | <u>Riparian Corridor</u>       |                 |                |
|             | Mass Failures:                 | <b>None</b>     |                |
|             | Average Height (ft.):          | <b>0.0</b>      |                |
|             | Gullies:                       | <b>None</b>     |                |
|             | Average Height (ft.):          | <b>0.0</b>      |                |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>1</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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> |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R15 -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>13,201.6</b> <b>0.0</b>    |
|             | Railroad Lenth (ft.):          | <b>20,412.5</b> <b>0.0</b>    |
|             | Development Length:            | <b>6,625.2</b> <b>285.9</b>   |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u> <u>Right</u>      |
|             | Erosion Length (ft.):          | <b>1,973.4</b> <b>2,006.0</b> |
|             | Erosion Height (ft.):          | <b>6.1</b> <b>5.0</b>         |
|             | Revetment Type:                | <b>Rip-Rap</b> <b>Rip-Rap</b> |
|             | Revetment length:              | <b>981.4</b> <b>4,138.3</b>   |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                               |
| 3.3         | <u>Riparian Corridor</u>       |                               |
|             | Mass Failures:                 | <b>One</b>                    |
|             | Average Height (ft.):          | <b>120.0</b>                  |
|             | Gullies:                       | <b>Multiple</b>               |
|             | Average Height (ft.):          | <b>15.0</b>                   |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>1</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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>Straightening</b> |
|             | Dredging:                   | <b>None</b>          |



Phase 2 - FIT - Legacy Data Report

Lamoille LCRPC HUC2

SGAT Version: 3

Reach: **R18 -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>14,349.7</b> | <b>2,898.9</b>  |
|             | Railroad Lenth (ft.):          | <b>13,197.2</b> | <b>0.0</b>      |
|             | Development Length:            | <b>7,016.7</b>  | <b>4,509.9</b>  |
| 3.1         | <u>Erosion - Bank</u>          | <u>Left</u>     | <u>Right</u>    |
|             | Erosion Length (ft.):          | <b>9,697.2</b>  | <b>10,201.5</b> |
|             | Erosion Height (ft.):          | <b>6.7</b>      | <b>6.2</b>      |
|             | Revetment Type:                | <b>Multiple</b> | <b>Multiple</b> |
|             | Revetment length:              | <b>3,871.7</b>  | <b>2,375.6</b>  |
| 3.2         | <u>Buffer Less Than 25 ft.</u> |                 |                 |
| 3.3         | <u>Riparian Corridor</u>       |                 |                 |
|             | Mass Failures:                 | <b>None</b>     |                 |
|             | Average Height (ft.):          | <b>0.0</b>      |                 |
|             | Gullies:                       | <b>None</b>     |                 |
|             | Average Height (ft.):          | <b>0.0</b>      |                 |

| <u>Step</u> | <u>Description</u>          | <u>Value</u>         |
|-------------|-----------------------------|----------------------|
| 4.4         | Number of Debris Jams:      | <b>0</b>             |
| 4.7         | Stormwater Inputs           | <b>4</b>             |
| 4.9         | Beaver Dams:                | <b>0</b>             |
|             | Affected length:            | <b>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>No</b>            |
| 5.5         | Channel Alterations         |                      |
|             | Straightening:              | <b>Straightening</b> |
|             | Dredging:                   | <b>None</b>          |