



# Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov  
July, 17 2024

## Phase 1 - FIT - Legacy Data Report

## Mill Brook

SGAT Version: 3

| Reach: <b>M01</b> |                           |                    |                | <u>Step</u>    | <u>Description</u>         | <u>Value</u>       |
|-------------------|---------------------------|--------------------|----------------|----------------|----------------------------|--------------------|
|                   | <u>Step</u>               | <u>Description</u> | <u>Value</u>   | 5.5            | Dredging History:          | <b>None</b>        |
| 3.1               |                           | Alluvial Fan:      | <b>None</b>    | 6.1            | Berms & Roads Data:        | <b>None</b>        |
| 3.2               |                           | Grade Control:     | <b>Ledge</b>   |                |                            |                    |
| 5.2               | # of Bridges or Culverts: | <b>1</b>           |                |                | <u>One Side</u>            | <u>Both Sides</u>  |
|                   | Total Length:             | <b>123.360</b>     |                | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>      |
| 5.3               | Armoring Length           | <u>Left</u>        | <u>Right</u>   | 6.2            | Dev. Length:               | <b>0.0000</b>      |
|                   |                           | <b>0.00000</b>     | <b>0.00000</b> |                | Corridor Development Data: |                    |
|                   | Data Armoring:            | <b>None</b>        |                |                | <u>Old</u>                 | <u>New</u>         |
| 5.4               | Straightening Length:     | <b>0.00000</b>     |                | 7.2            | Bank Erosion:              | <b>Low</b>         |
|                   | Straightening Data:       | <b>None</b>        |                |                | Bank Height:               | <b>Low</b>         |
|                   |                           |                    |                |                |                            | <b>430.2900085</b> |
|                   |                           |                    |                |                |                            | <b>3.000</b>       |

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| Reach: <b>M02</b> |                           |                    |                  | <u>Step</u>    | <u>Description</u>         | <u>Value</u>      |
|-------------------|---------------------------|--------------------|------------------|----------------|----------------------------|-------------------|
|                   | <u>Step</u>               | <u>Description</u> | <u>Value</u>     | 5.5            | Dredging History:          | <b>None</b>       |
| 3.1               |                           | Alluvial Fan:      | <b>None</b>      | 6.1            | Berms & Roads Data:        |                   |
| 3.2               |                           | Grade Control:     | <b>Waterfall</b> |                | <u>One Side</u>            | <u>Both Sides</u> |
| 5.2               | # of Bridges or Culverts: | <b>1</b>           |                  | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>     |
|                   | Total Length:             | <b>71.300</b>      |                  | 6.2            | Dev. Length:               | <b>344.6200</b>   |
| 5.3               | Armoring Length           | <u>Left</u>        | <u>Right</u>     |                | Corridor Development Data: |                   |
|                   |                           | <b>51.0600</b>     | <b>57.0900</b>   |                | <u>Old</u>                 | <u>New</u>        |
|                   |                           | <b>0</b>           | <b>0</b>         | 7.2            | Bank Erosion:              | <b>None</b>       |
|                   | Data Armoring:            |                    |                  |                | Bank Height:               | <b>N.D.</b>       |
| 5.4               | Straightening Length:     | <b>0.00000</b>     |                  |                |                            | <b>0.0000000</b>  |
|                   | Straightening Data:       | <b>None</b>        |                  |                |                            | <b>0.000</b>      |



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| Reach: <b>M03</b> |                           | <u>Step</u>    | <u>Description</u>         | <u>Value</u>                  |
|-------------------|---------------------------|----------------|----------------------------|-------------------------------|
|                   |                           | 5.5            | Dredging History:          | <b>None</b>                   |
|                   |                           | 6.1            | Berms & Roads Data:        | <b>None</b>                   |
| 3.1               | Alluvial Fan:             |                |                            | <b>None</b>                   |
| 3.2               | Grade Control:            |                |                            | <b>None</b>                   |
| 5.2               | # of Bridges or Culverts: |                |                            | <b>0</b>                      |
|                   | Total Length:             |                |                            | <b>0.000</b>                  |
| 5.3               | Armoring Length           | <u>Left</u>    | <u>Right</u>               |                               |
|                   |                           | <b>0.00000</b> | <b>0.00000</b>             |                               |
|                   | Data Armoring:            |                |                            | <b>None</b>                   |
| 5.4               | Straightening Length:     |                |                            | <b>0.00000</b>                |
|                   | Straightening Data:       |                |                            | <b>None</b>                   |
|                   |                           | 6.2            | Dev. Length:               | <b>260.8400</b>               |
|                   |                           |                | Corridor Development Data: |                               |
|                   |                           |                | <u>One Side</u>            | <u>Both Sides</u>             |
|                   |                           |                | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>   |
|                   |                           |                | Dev. Length:               | <b>260.8400</b> <b>0.0000</b> |
|                   |                           |                | <u>Old</u>                 | <u>New</u>                    |
|                   |                           | 7.2            | Bank Erosion:              | <b>None</b> <b>0.0000000</b>  |
|                   |                           |                | Bank Height:               | <b>N.D.</b> <b>0.000</b>      |

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| Reach: <b>M04</b> |                           | <u>Step</u>    | <u>Description</u>         | <u>Value</u>                 |
|-------------------|---------------------------|----------------|----------------------------|------------------------------|
|                   |                           | 5.5            | Dredging History:          | <b>None</b>                  |
|                   |                           | 6.1            | Berms & Roads Data:        | <b>None</b>                  |
| 3.1               | Alluvial Fan:             |                |                            | <b>None</b>                  |
| 3.2               | Grade Control:            |                |                            | <b>Multiple</b>              |
| 5.2               | # of Bridges or Culverts: |                |                            | <b>0</b>                     |
|                   | Total Length:             |                |                            | <b>0.000</b>                 |
| 5.3               | Armoring Length           | <u>Left</u>    | <u>Right</u>               |                              |
|                   |                           | <b>0.00000</b> | <b>0.00000</b>             |                              |
|                   | Data Armoring:            |                |                            | <b>None</b>                  |
| 5.4               | Straightening Length:     |                |                            | <b>0.00000</b>               |
|                   | Straightening Data:       |                |                            | <b>None</b>                  |
|                   |                           | 6.2            | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>  |
|                   |                           |                | Corridor Development Data: |                              |
|                   |                           |                | <u>One Side</u>            | <u>Both Sides</u>            |
|                   |                           |                | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>  |
|                   |                           |                | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>  |
|                   |                           |                | <u>Old</u>                 | <u>New</u>                   |
|                   |                           | 7.2            | Bank Erosion:              | <b>None</b> <b>0.0000000</b> |
|                   |                           |                | Bank Height:               | <b>N.D.</b> <b>0.000</b>     |



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| Reach: <b>M05</b> |                           |                    |                | <u>Step</u> | <u>Description</u>         | <u>Value</u>                 |
|-------------------|---------------------------|--------------------|----------------|-------------|----------------------------|------------------------------|
|                   | <u>Step</u>               | <u>Description</u> | <u>Value</u>   | 5.5         | Dredging History:          | <b>None</b>                  |
| 3.1               | Alluvial Fan:             | <b>None</b>        |                | 6.1         | Berms & Roads Data:        |                              |
| 3.2               | Grade Control:            | <b>Weir</b>        |                |             | <u>One Side</u>            | <u>Both Sides</u>            |
| 5.2               | # of Bridges or Culverts: | <b>2</b>           |                |             | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>  |
|                   | Total Length:             | <b>145.280</b>     |                | 6.2         | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>  |
| 5.3               | Armoring Length           | <u>Left</u>        | <u>Right</u>   |             | Corridor Development Data: |                              |
|                   |                           | <b>48.9400</b>     | <b>180.659</b> |             | <u>Old</u>                 | <u>New</u>                   |
|                   |                           | <b>0</b>           | <b>99</b>      | 7.2         | Bank Erosion:              | <b>None</b> <b>0.0000000</b> |
|                   | Data Armoring:            |                    |                |             | Bank Height:               | <b>N.D.</b> <b>0.000</b>     |
| 5.4               | Straightening Length:     | <b>0.00000</b>     |                |             |                            |                              |
|                   | Straightening Data:       | <b>None</b>        |                |             |                            |                              |

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SGAT Version: 3

| Reach: <b>M06</b> |                           |                    |                | <u>Step</u> | <u>Description</u>         | <u>Value</u>                   |
|-------------------|---------------------------|--------------------|----------------|-------------|----------------------------|--------------------------------|
|                   | <u>Step</u>               | <u>Description</u> | <u>Value</u>   | 5.5         | Dredging History:          | <b>None</b>                    |
| 3.1               | Alluvial Fan:             | <b>None</b>        |                | 6.1         | Berms & Roads Data:        | <b>None</b>                    |
| 3.2               | Grade Control:            | <b>None</b>        |                |             | <u>One Side</u>            | <u>Both Sides</u>              |
| 5.2               | # of Bridges or Culverts: | <b>1</b>           |                |             | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>    |
|                   | Total Length:             | <b>85.900</b>      |                | 6.2         | Dev. Length:               | <b>168.5400</b> <b>0.0000</b>  |
| 5.3               | Armoring Length           | <u>Left</u>        | <u>Right</u>   |             | Corridor Development Data: |                                |
|                   |                           | <b>0.00000</b>     | <b>170.989</b> |             | <u>Old</u>                 | <u>New</u>                     |
|                   |                           |                    | <b>99</b>      | 7.2         | Bank Erosion:              | <b>N.S.</b> <b>521.6400146</b> |
|                   | Data Armoring:            |                    |                |             | Bank Height:               | <b>Low</b> <b>1.621</b>        |
| 5.4               | Straightening Length:     | <b>0.00000</b>     |                |             |                            |                                |
|                   | Straightening Data:       | <b>None</b>        |                |             |                            |                                |



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| Reach: <b>M07</b> |                           | <u>Step</u> | <u>Description</u>         | <u>Value</u>                 |
|-------------------|---------------------------|-------------|----------------------------|------------------------------|
|                   |                           | 5.5         | Dredging History:          | <b>None</b>                  |
| 3.1               | Alluvial Fan:             | 6.1         | Berms & Roads Data:        | <b>None</b>                  |
| 3.2               | Grade Control:            |             | <u>One Side</u>            | <u>Both Sides</u>            |
|                   |                           |             | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>  |
| 5.2               | # of Bridges or Culverts: | 6.2         | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>  |
|                   | Total Length:             |             | Corridor Development Data: |                              |
|                   |                           |             | <u>Old</u>                 | <u>New</u>                   |
| 5.3               | Armoring Length           | 7.2         | Bank Erosion:              | <b>None</b> <b>0.0000000</b> |
|                   |                           |             | Bank Height:               | <b>N.D.</b> <b>0.000</b>     |
|                   |                           |             |                            |                              |
|                   | Data Armoring:            |             |                            |                              |
| 5.4               | Straightening Length:     |             |                            |                              |
|                   | Straightening Data:       |             |                            |                              |

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## Mill Brook

SGAT Version: 3

| Reach: <b>M08</b> |                           | <u>Step</u> | <u>Description</u>         | <u>Value</u>                  |
|-------------------|---------------------------|-------------|----------------------------|-------------------------------|
|                   |                           | 5.5         | Dredging History:          | <b>None</b>                   |
| 3.1               | Alluvial Fan:             | 6.1         | Berms & Roads Data:        | <b>None</b>                   |
| 3.2               | Grade Control:            |             | <u>One Side</u>            | <u>Both Sides</u>             |
|                   |                           |             | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>   |
| 5.2               | # of Bridges or Culverts: | 6.2         | Dev. Length:               | <b>186.1600</b> <b>0.0000</b> |
|                   | Total Length:             |             | Corridor Development Data: |                               |
|                   |                           |             | <u>Old</u>                 | <u>New</u>                    |
| 5.3               | Armoring Length           | 7.2         | Bank Erosion:              | <b>None</b> <b>0.0000000</b>  |
|                   |                           |             | Bank Height:               | <b>N.D.</b> <b>0.000</b>      |
|                   |                           |             |                            |                               |
|                   | Data Armoring:            |             |                            |                               |
| 5.4               | Straightening Length:     |             |                            |                               |
|                   | Straightening Data:       |             |                            |                               |



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SGAT Version: 3

| Reach: <b>M09</b> |                           | <u>Step</u> | <u>Description</u>         | <u>Value</u>                               |
|-------------------|---------------------------|-------------|----------------------------|--|
|                   |                           | 5.5         | Dredging History:          | <b>None</b>                                |
| 3.1               | Alluvial Fan:             | 6.1         | Berms & Roads Data:        |  |
| 3.2               | Grade Control:            |             | <u>One Side</u>            | <u>Both Sides</u>                          |
| 5.2               | # of Bridges or Culverts: |             | Berms & Roads:             | <b>461.2400</b> <b>0.0000</b>              |
|                   | Total Length:             | 6.2         | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>                |
| 5.3               | Armoring Length           |             | Corridor Development Data: |  |
|                   |                           |             | <u>Old</u>                 | <u>New</u>                                 |
|                   |                           |             | 7.2                        | Bank Erosion: <b>Low</b> <b>67.8099976</b> |
|                   | Data Armoring:            |             | Bank Height:               | <b>Low</b> <b>4.000</b>                    |
| 5.4               | Straightening Length:     |             |                            |  |
|                   | Straightening Data:       |             |                            |  |

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| Reach: <b>M10</b> |                           | <u>Step</u> | <u>Description</u>         | <u>Value</u>                 |
|-------------------|---------------------------|-------------|----------------------------|------------------------------|
|                   |                           | 5.5         | Dredging History:          | <b>None</b>                  |
| 3.1               | Alluvial Fan:             | 6.1         | Berms & Roads Data:        | <b>None</b>                  |
| 3.2               | Grade Control:            |             | <u>One Side</u>            | <u>Both Sides</u>            |
| 5.2               | # of Bridges or Culverts: |             | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>  |
|                   | Total Length:             | 6.2         | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>  |
| 5.3               | Armoring Length           |             | Corridor Development Data: |                              |
|                   |                           |             | <u>Old</u>                 | <u>New</u>                   |
|                   | Data Armoring:            | 7.2         | Bank Erosion:              | <b>None</b> <b>0.0000000</b> |
| 5.4               | Straightening Length:     |             | Bank Height:               | <b>N.D.</b> <b>0.000</b>     |
|                   | Straightening Data:       |             |                            |                              |



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## Mill Brook

SGAT Version: 3

| Reach: <b>M11</b> |                                    | <u>Step</u> | <u>Description</u>         | <u>Value</u>                  |
|-------------------|------------------------------------|-------------|----------------------------|-------------------------------|
|                   |                                    | 5.5         | Dredging History:          | <b>None</b>                   |
| 3.1               | Alluvial Fan:                      | 6.1         | Berms & Roads Data:        |                               |
| 3.2               | Grade Control:                     |             | <u>One Side</u>            | <u>Both Sides</u>             |
| 5.2               | # of Bridges or Culverts: <b>1</b> |             | Berms & Roads:             | <b>288.7900</b> <b>0.0000</b> |
|                   | Total Length:                      | 6.2         | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>   |
| 5.3               | Armoring Length                    |             | Corridor Development Data: |                               |
|                   |                                    |             | <u>Old</u>                 | <u>New</u>                    |
|                   |                                    |             |                            |                               |
|                   | Data Armoring:                     | 7.2         | Bank Erosion:              | <b>None</b> <b>0.0000000</b>  |
| 5.4               | Straightening Length:              |             | Bank Height:               | <b>N.D.</b> <b>0.000</b>      |
|                   | Straightening Data:                |             |                            |                               |

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SGAT Version: 3

| Reach: <b>M12</b> |                                    | <u>Step</u> | <u>Description</u>         | <u>Value</u>                   |
|-------------------|------------------------------------|-------------|----------------------------|--------------------------------|
|                   |                                    | 5.5         | Dredging History:          | <b>None</b>                    |
| 3.1               | Alluvial Fan:                      | 6.1         | Berms & Roads Data:        | <b>None</b>                    |
| 3.2               | Grade Control:                     |             | <u>One Side</u>            | <u>Both Sides</u>              |
| 5.2               | # of Bridges or Culverts: <b>1</b> |             | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>    |
|                   | Total Length:                      | 6.2         | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>    |
| 5.3               | Armoring Length                    |             | Corridor Development Data: |                                |
|                   |                                    |             | <u>Old</u>                 | <u>New</u>                     |
|                   |                                    |             |                            |                                |
|                   | Data Armoring:                     | 7.2         | Bank Erosion:              | <b>N.S.</b> <b>913.0100098</b> |
| 5.4               | Straightening Length:              |             | Bank Height:               | <b>Low</b> <b>3.269</b>        |
|                   | Straightening Data:                |             |                            |                                |



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| Reach: <b>M13</b> |                           |                    |                | <u>Step</u> | <u>Description</u>         | <u>Value</u>                   |
|-------------------|---------------------------|--------------------|----------------|-------------|----------------------------|--------------------------------|
|                   | <u>Step</u>               | <u>Description</u> | <u>Value</u>   | 5.5         | Dredging History:          | <b>None</b>                    |
| 3.1               | Alluvial Fan:             | <b>None</b>        |                | 6.1         | Berms & Roads Data:        |                                |
| 3.2               | Grade Control:            | <b>Ledge</b>       |                |             | <u>One Side</u>            | <u>Both Sides</u>              |
| 5.2               | # of Bridges or Culverts: | <b>2</b>           |                |             | Berms & Roads:             | <b>572.7300</b> <b>0.0000</b>  |
|                   | Total Length:             | <b>181.510</b>     |                | 6.2         | Dev. Length:               | <b>390.6100</b> <b>0.0000</b>  |
| 5.3               | Armoring Length           | <u>Left</u>        | <u>Right</u>   |             | Corridor Development Data: |                                |
|                   |                           | <b>337.480</b>     | <b>152.630</b> |             | <u>Old</u>                 | <u>New</u>                     |
|                   |                           | <b>01</b>          | <b>00</b>      | 7.2         | Bank Erosion:              | <b>N.S.</b> <b>284.3299866</b> |
|                   | Data Armoring:            |                    |                |             | Bank Height:               | <b>Low</b> <b>3.000</b>        |
| 5.4               | Straightening Length:     | <b>0.00000</b>     |                |             |                            |                                |
|                   | Straightening Data:       | <b>None</b>        |                |             |                            |                                |

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| Reach: <b>M14</b> |                           |                    |                | <u>Step</u> | <u>Description</u>         | <u>Value</u>                  |
|-------------------|---------------------------|--------------------|----------------|-------------|----------------------------|-------------------------------|
|                   | <u>Step</u>               | <u>Description</u> | <u>Value</u>   | 5.5         | Dredging History:          | <b>None</b>                   |
| 3.1               | Alluvial Fan:             | <b>None</b>        |                | 6.1         | Berms & Roads Data:        |                               |
| 3.2               | Grade Control:            | <b>Waterfall</b>   |                |             | <u>One Side</u>            | <u>Both Sides</u>             |
| 5.2               | # of Bridges or Culverts: | <b>0</b>           |                |             | Berms & Roads:             | <b>250.0900</b> <b>0.0000</b> |
|                   | Total Length:             | <b>0.000</b>       |                | 6.2         | Dev. Length:               | <b>246.4100</b> <b>0.0000</b> |
| 5.3               | Armoring Length           | <u>Left</u>        | <u>Right</u>   |             | Corridor Development Data: |                               |
|                   |                           | <b>0.00000</b>     | <b>0.00000</b> |             | <u>Old</u>                 | <u>New</u>                    |
|                   | Data Armoring:            | <b>None</b>        |                | 7.2         | Bank Erosion:              | <b>None</b> <b>0.0000000</b>  |
| 5.4               | Straightening Length:     | <b>0.00000</b>     |                |             | Bank Height:               | <b>N.D.</b> <b>0.000</b>      |
|                   | Straightening Data:       | <b>None</b>        |                |             |                            |                               |



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| Reach: <b>M15</b> |                           | <u>Step</u>                   | <u>Description</u>         | <u>Value</u>                 |
|-------------------|---------------------------|-------------------------------|----------------------------|------------------------------|
|                   |                           | 5.5                           | Dredging History:          | <b>None</b>                  |
|                   |                           | 6.1                           | Berms & Roads Data:        | <b>None</b>                  |
|                   |                           |                               | <u>One Side</u>            | <u>Both Sides</u>            |
|                   |                           |                               | Berms & Roads:             | <b>0.0000</b> <b>0.0000</b>  |
|                   |                           | 6.2                           | Dev. Length:               | <b>0.0000</b> <b>0.0000</b>  |
|                   |                           |                               | Corridor Development Data: |                              |
|                   |                           |                               | <u>Old</u>                 | <u>New</u>                   |
|                   |                           | 7.2                           | Bank Erosion:              | <b>None</b> <b>0.0000000</b> |
|                   |                           |                               | Bank Height:               | <b>N.D.</b> <b>0.000</b>     |
| Step              | Description               | Value                         |                            |                              |
| 3.1               | Alluvial Fan:             | <b>None</b>                   |                            |                              |
| 3.2               | Grade Control:            | <b>None</b>                   |                            |                              |
| 5.2               | # of Bridges or Culverts: | <b>0</b>                      |                            |                              |
|                   | Total Length:             | <b>0.000</b>                  |                            |                              |
| 5.3               | Armoring Length           | <u>Left</u> <u>Right</u>      |                            |                              |
|                   |                           | <b>0.00000</b> <b>0.00000</b> |                            |                              |
|                   | Data Armoring:            | <b>None</b>                   |                            |                              |
| 5.4               | Straightening Length:     | <b>0.00000</b>                |                            |                              |
|                   | Straightening Data:       | <b>None</b>                   |                            |                              |