



# Stream Geomorphic Assessment

Agency of Natural Resources

VT DEC

Vermont.gov  
May, 20 2024

## Phase 1 - FIT - Legacy Data Report

## Elmore Pond Brook

SGAT Version: 4.56

Reach: **R19S1.01**

| <u>Step</u> | <u>Description</u>        | <u>Value</u>     |              |
|-------------|---------------------------|------------------|--------------|
| 3.1         | Alluvial Fan:             | <b>None</b>      |              |
| 3.2         | Grade Control:            | <b>None</b>      |              |
| 4.3         | Buffer Less Than 25 ft    | <u>Left</u>      | <u>Right</u> |
|             |                           | 0                | 0            |
| 5.1         | Flow Regulation - Type:   | <b>None</b>      |              |
|             | Use:                      |                  |              |
| 5.2         | # of Bridges or Culverts: | <b>1</b>         |              |
|             | Total Length:             | <b>150.000</b>   |              |
| 5.3         | Armoring Length           | <u>Left</u>      | <u>Right</u> |
|             |                           | 30.3100          | 0.00000      |
|             |                           | 0                |              |
|             | Data Armoring:            |                  |              |
| 5.4         | Straightening Length:     | <b>156.33000</b> |              |
|             | Straightening Data:       |                  |              |

| <u>Step</u> | <u>Description</u>         | <u>Value</u>       |                    |
|-------------|----------------------------|--------------------|--------------------|
| 5.5         | Dredging History:          | <b>None</b>        |                    |
| 6.1         | Berms & Roads Data:        |                    |                    |
|             |                            | <u>One Side</u>    | <u>Both Sides</u>  |
|             | Berms & Roads:             | <b>22.9500</b>     | <b>96.2100</b>     |
|             | Berm:                      | <b>22.9500</b>     | <b>96.2100</b>     |
|             | Path:                      | <b>0.000</b>       | <b>0.000</b>       |
|             | Road:                      | <b>0.0000</b>      | <b>0.00000</b>     |
|             | Railroad:                  | <b>0.0000</b>      | <b>0.00</b>        |
| 6.2         | Corridor Development Data: |                    |                    |
|             | Length:                    | <b>0.0000</b>      | <b>0.0000</b>      |
| 6.4         | Miander Migration:         | <b>Flood Chute</b> |                    |
|             |                            | <u>Old</u>         | <u>New</u>         |
| 7.2         | Bank Erosion:              | <b>None</b>        | <b>196.4499969</b> |
|             | Bank Height:               | <b>N.D.</b>        | <b>4.000</b>       |

Reach: **R19S1.02**

| <u>Step</u> | <u>Description</u>        | <u>Value</u>   |              |
|-------------|---------------------------|----------------|--------------|
| 3.1         | Alluvial Fan:             | <b>None</b>    |              |
| 3.2         | Grade Control:            | <b>Ledge</b>   |              |
| 4.3         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |
|             |                           | 0              | 0            |
| 5.1         | Flow Regulation - Type:   | <b>None</b>    |              |
|             | Use:                      |                |              |
| 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> |
|             |                           | 0.00000        | 0.00000      |
|             | Data Armoring:            | <b>None</b>    |              |
| 5.4         | Straightening Length:     | <b>0.00000</b> |              |
|             | Straightening Data:       | <b>None</b>    |              |

| <u>Step</u> | <u>Description</u>         | <u>Value</u>       |                   |
|-------------|----------------------------|--------------------|-------------------|
| 5.5         | Dredging History:          | <b>None</b>        |                   |
| 6.1         | Berms & Roads Data:        |                    |                   |
|             |                            | <u>One Side</u>    | <u>Both Sides</u> |
|             | Berms & Roads:             | <b>0.0000</b>      | <b>0.0000</b>     |
|             | Berm:                      | <b>0.0000</b>      | <b>0.0000</b>     |
|             | Path:                      | <b>0.000</b>       | <b>0.000</b>      |
|             | Road:                      | <b>0.0000</b>      | <b>0.00000</b>    |
|             | Railroad:                  | <b>0.0000</b>      | <b>0.00</b>       |
| 6.2         | Corridor Development Data: |                    |                   |
|             | Length:                    | <b>0.0000</b>      | <b>0.0000</b>     |
| 6.4         | Miander Migration:         | <b>Flood Chute</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>R19S1.02S1.01</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>                 | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                         | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                         | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                             |                           |                |              |             | Berm:                      |                   |
| 5.1                         | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                             | Use:                      |                |              |             | Road:                      |                   |
| 5.2                         | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                             | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                             | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                         | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                             | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                             |                           |                |              |             | Bank Height:               |                   |

|                             |                           |                |              |             |                            |                   |
|-----------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.02S1.02</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>                 | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                         | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                         | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                             |                           |                |              |             | Berm:                      |                   |
| 5.1                         | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                             | Use:                      |                |              |             | Road:                      |                   |
| 5.2                         | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                             | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                             | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                         | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                             | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                             |                           |                |              |             | Bank Height:               |                   |



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|                             |                           |                |                |                |                            |                   |                  |
|-----------------------------|---------------------------|----------------|----------------|----------------|----------------------------|-------------------|------------------|
| Reach: <b>R19S1.02S1.03</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>None</b>    |                |                | <u>One Side</u>            | <u>Both Sides</u> |                  |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u>   | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>     |                  |
|                             |                           | <b>0</b>       | <b>0</b>       | Berm:          | <b>0.0000</b>              | <b>0.0000</b>     |                  |
| 5.1                         | Flow Regulation - Type:   | <b>None</b>    |                | Path:          | <b>0.000</b>               | <b>0.000</b>      |                  |
|                             | Use:                      |                |                | Road:          | <b>0.0000</b>              | <b>0.00000</b>    |                  |
| 5.2                         | # of Bridges or Culverts: | <b>1</b>       |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>       |                  |
|                             | Total Length:             | <b>50.000</b>  |                | 6.2            | Corridor Development Data: |                   |                  |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u>   | Length:        | <b>0.0000</b>              | <b>0.0000</b>     |                  |
|                             |                           | <b>0.00000</b> | <b>0.00000</b> | 6.4            | Miander Migration:         |                   |                  |
|                             | Data Armoring:            | <b>None</b>    |                |                | <u>Old</u>                 | <u>New</u>        |                  |
| 5.4                         | Straightening Length:     | <b>0.00000</b> |                | 7.2            | Bank Erosion:              | <b>None</b>       | <b>0.0000000</b> |
|                             | Straightening Data:       | <b>None</b>    |                |                | Bank Height:               | <b>N.D.</b>       | <b>0.000</b>     |

|                        |                           |                  |                |                |                            |                    |                   |
|------------------------|---------------------------|------------------|----------------|----------------|----------------------------|--------------------|-------------------|
| Reach: <b>R19S1.03</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>  |                   |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>      | <u>Right</u>   | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>      |                   |
|                        |                           | <b>0</b>         | <b>0</b>       | Berm:          | <b>0.0000</b>              | <b>0.0000</b>      |                   |
| 5.1                    | Flow Regulation - Type:   | <b>None</b>      |                | Path:          | <b>0.000</b>               | <b>0.000</b>       |                   |
|                        | Use:                      |                  |                | Road:          | <b>0.0000</b>              | <b>0.00000</b>     |                   |
| 5.2                    | # of Bridges or Culverts: | <b>0</b>         |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>        |                   |
|                        | Total Length:             | <b>0.000</b>     |                | 6.2            | Corridor Development Data: |                    |                   |
| 5.3                    | Armoring Length           | <u>Left</u>      | <u>Right</u>   | Length:        | <b>0.0000</b>              | <b>0.0000</b>      |                   |
|                        |                           | <b>0.00000</b>   | <b>0.00000</b> | 6.4            | Miander Migration:         | <b>Flood Chute</b> |                   |
|                        | Data Armoring:            | <b>None</b>      |                |                | <u>Old</u>                 | <u>New</u>         |                   |
| 5.4                    | Straightening Length:     | <b>0.00000</b>   |                | 7.2            | Bank Erosion:              | <b>None</b>        | <b>88.4100037</b> |
|                        | Straightening Data:       | <b>None</b>      |                |                | Bank Height:               | <b>N.D.</b>        | <b>14.596</b>     |



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|                        |                           |                  |                |                |                            |                                   |
|------------------------|---------------------------|------------------|----------------|----------------|----------------------------|-----------------------------------|
| Reach: <b>R19S1.04</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> |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>      | <u>Right</u>   | Berms & Roads: | <b>132.9300</b>            | <b>0.0000</b>                     |
|                        |                           | <b>0</b>         | <b>535</b>     | Berm:          | <b>0.0000</b>              | <b>0.0000</b>                     |
| 5.1                    | Flow Regulation - Type:   | <b>None</b>      |                | Path:          | <b>0.000</b>               | <b>0.000</b>                      |
|                        | Use:                      |                  |                | Road:          | <b>132.9300</b>            | <b>0.00000</b>                    |
| 5.2                    | # of Bridges or Culverts: | <b>1</b>         |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>                       |
|                        | Total Length:             | <b>170.000</b>   |                | 6.2            | Corridor Development Data: |                                   |
| 5.3                    | Armoring Length           | <u>Left</u>      | <u>Right</u>   | Length:        | <b>254.5700</b>            | <b>297.3200</b>                   |
|                        |                           | <b>502.070</b>   | <b>655.700</b> | 6.4            | Miander Migration:         | <b>Flood Chute</b>                |
|                        |                           | <b>01</b>        | <b>01</b>      |                |                            | <u>Old</u> <u>New</u>             |
|                        | Data Armoring:            |                  |                | 7.2            | Bank Erosion:              | <b>None</b> <b>140.5000000</b>    |
| 5.4                    | Straightening Length:     | <b>378.82001</b> |                | Bank Height:   | <b>N.D.</b>                | <b>5.199</b>                      |
|                        | Straightening Data:       |                  |                |                |                            |                                   |

|                        |                           |                |                |                |                            |                 |                   |
|------------------------|---------------------------|----------------|----------------|----------------|----------------------------|-----------------|-------------------|
| Reach: <b>R19S1.06</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>None</b>    |                |                |                            | <u>One Side</u> | <u>Both Sides</u> |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u>   | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>   |                   |
|                        |                           | <b>0</b>       | <b>0</b>       | Berm:          | <b>0.0000</b>              | <b>0.0000</b>   |                   |
| 5.1                    | Flow Regulation - Type:   | <b>None</b>    |                | Path:          | <b>0.000</b>               | <b>0.000</b>    |                   |
|                        | Use:                      |                |                | Road:          | <b>0.0000</b>              | <b>0.00000</b>  |                   |
| 5.2                    | # of Bridges or Culverts: | <b>1</b>       |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>     |                   |
|                        | Total Length:             | <b>40.000</b>  |                | 6.2            | Corridor Development Data: |                 |                   |
| 5.3                    | Armoring Length           | <u>Left</u>    | <u>Right</u>   | Length:        | <b>0.0000</b>              | <b>26.3200</b>  |                   |
|                        |                           | <b>0.00000</b> | <b>0.00000</b> | 6.4            | Miander Migration:         |                 |                   |
|                        | Data Armoring:            | <b>None</b>    |                |                |                            | <u>Old</u>      | <u>New</u>        |
| 5.4                    | Straightening Length:     | <b>0.00000</b> |                | 7.2            | Bank Erosion:              | <b>None</b>     | <b>0.0000000</b>  |
|                        | Straightening Data:       | <b>None</b>    |                | Bank Height:   | <b>N.D.</b>                | <b>0.000</b>    |                   |



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|                        |                           |                |              |             |                            |                   |
|------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.07</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>            | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                    | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                    | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                        |                           |                |              |             | Berm:                      |                   |
| 5.1                    | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                        | Use:                      |                |              |             | Road:                      |                   |
| 5.2                    | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                        | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                    | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                        | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                    | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                        | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                        |                           |                |              |             | Bank Height:               |                   |

|                        |                           |                |              |             |                            |                   |
|------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.08</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>            | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                    | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                    | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                        |                           |                |              |             | Berm:                      |                   |
| 5.1                    | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                        | Use:                      |                |              |             | Road:                      |                   |
| 5.2                    | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                        | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                    | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                        | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                    | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                        | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                        |                           |                |              |             | Bank Height:               |                   |



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|                        |                           |                |              |             |                            |                   |
|------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.09</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>            | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                    | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                    | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                        |                           |                |              |             | Berm:                      |                   |
| 5.1                    | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                        | Use:                      |                |              |             | Road:                      |                   |
| 5.2                    | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                        | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                    | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                        | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                    | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                        | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                        |                           |                |              |             | Bank Height:               |                   |

|                        |                           |                |              |             |                            |                   |
|------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.10</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>            | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                    | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                    | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                        |                           |                |              |             | Berm:                      |                   |
| 5.1                    | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                        | Use:                      |                |              |             | Road:                      |                   |
| 5.2                    | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                        | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                    | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                        | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                    | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                        | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                        |                           |                |              |             | Bank Height:               |                   |



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|                        |                           |                |              |             |                            |                   |
|------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.12</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>            | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                    | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                    | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                    | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                        |                           |                |              |             | Berm:                      |                   |
| 5.1                    | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                        | Use:                      |                |              |             | Road:                      |                   |
| 5.2                    | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                        | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                    | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                        | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                    | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                        | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                        |                           |                |              |             | Bank Height:               |                   |

|                             |                           |                |              |             |                            |                   |
|-----------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.06S1.01</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>                 | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                         | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                         | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                             |                           |                |              |             | Berm:                      |                   |
| 5.1                         | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                             | Use:                      |                |              |             | Road:                      |                   |
| 5.2                         | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                             | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                             | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                         | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                             | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                             |                           |                |              |             | Bank Height:               |                   |



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| Reach: <b>R19S1.06S1.02</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>Yes</b>     |                | 6.1            | Berms & Roads Data:        |                   |                  |
| 3.2                         | Grade Control:            | <b>None</b>    |                |                | <u>One Side</u>            | <u>Both Sides</u> |                  |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u>   | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>     |                  |
|                             |                           | <b>0</b>       | <b>0</b>       | Berm:          | <b>0.0000</b>              | <b>0.0000</b>     |                  |
| 5.1                         | Flow Regulation - Type:   | <b>None</b>    |                | Path:          | <b>0.000</b>               | <b>0.000</b>      |                  |
|                             | Use:                      |                |                | Road:          | <b>0.0000</b>              | <b>0.00000</b>    |                  |
| 5.2                         | # of Bridges or Culverts: | <b>0</b>       |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>       |                  |
|                             | Total Length:             | <b>0.000</b>   |                | 6.2            | Corridor Development Data: |                   |                  |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u>   | Length:        | <b>0.0000</b>              | <b>0.0000</b>     |                  |
|                             |                           | <b>0.00000</b> | <b>0.00000</b> | 6.4            | Miander Migration:         |                   |                  |
|                             | Data Armoring:            | <b>None</b>    |                |                | <u>Old</u>                 | <u>New</u>        |                  |
| 5.4                         | Straightening Length:     | <b>0.00000</b> |                | 7.2            | Bank Erosion:              | <b>None</b>       | <b>0.0000000</b> |
|                             | Straightening Data:       | <b>None</b>    |                |                | Bank Height:               | <b>N.D.</b>       | <b>0.000</b>     |

|                             |                           |                |                |                |                            |                   |                  |
|-----------------------------|---------------------------|----------------|----------------|----------------|----------------------------|-------------------|------------------|
| Reach: <b>R19S1.06S1.03</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>None</b>    |                |                | <u>One Side</u>            | <u>Both Sides</u> |                  |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u>   | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>     |                  |
|                             |                           | <b>54</b>      | <b>184</b>     | Berm:          | <b>0.0000</b>              | <b>0.0000</b>     |                  |
| 5.1                         | Flow Regulation - Type:   | <b>None</b>    |                | Path:          | <b>0.000</b>               | <b>0.000</b>      |                  |
|                             | Use:                      |                |                | Road:          | <b>0.0000</b>              | <b>0.00000</b>    |                  |
| 5.2                         | # of Bridges or Culverts: | <b>1</b>       |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>       |                  |
|                             | Total Length:             | <b>240.000</b> |                | 6.2            | Corridor Development Data: |                   |                  |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u>   | Length:        | <b>130.7200</b>            | <b>57.0000</b>    |                  |
|                             |                           | <b>0.00000</b> | <b>0.00000</b> | 6.4            | Miander Migration:         |                   |                  |
|                             | Data Armoring:            | <b>None</b>    |                |                | <u>Old</u>                 | <u>New</u>        |                  |
| 5.4                         | Straightening Length:     | <b>0.00000</b> |                | 7.2            | Bank Erosion:              | <b>None</b>       | <b>0.0000000</b> |
|                             | Straightening Data:       | <b>None</b>    |                |                | Bank Height:               | <b>N.D.</b>       | <b>0.000</b>     |



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| Reach: <b>R19S1.06S1.04</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>Yes</b>     |                | 6.1            | Berms & Roads Data:        |                   |                  |
| 3.2                         | Grade Control:            | <b>None</b>    |                |                | <u>One Side</u>            | <u>Both Sides</u> |                  |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u>   | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>     |                  |
|                             |                           | <b>0</b>       | <b>0</b>       | Berm:          | <b>0.0000</b>              | <b>0.0000</b>     |                  |
| 5.1                         | Flow Regulation - Type:   | <b>None</b>    |                | Path:          | <b>0.000</b>               | <b>0.000</b>      |                  |
|                             | Use:                      |                |                | Road:          | <b>0.0000</b>              | <b>0.00000</b>    |                  |
| 5.2                         | # of Bridges or Culverts: | <b>0</b>       |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>       |                  |
|                             | Total Length:             | <b>0.000</b>   |                | 6.2            | Corridor Development Data: |                   |                  |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u>   | Length:        | <b>0.0000</b>              | <b>0.0000</b>     |                  |
|                             |                           | <b>0.00000</b> | <b>0.00000</b> | 6.4            | Miander Migration:         |                   |                  |
|                             | Data Armoring:            | <b>None</b>    |                |                | <u>Old</u>                 | <u>New</u>        |                  |
| 5.4                         | Straightening Length:     | <b>0.00000</b> |                | 7.2            | Bank Erosion:              | <b>None</b>       | <b>0.0000000</b> |
|                             | Straightening Data:       | <b>None</b>    |                |                | Bank Height:               | <b>N.D.</b>       | <b>0.000</b>     |

|                             |                           |                  |                |                |                            |                   |                  |
|-----------------------------|---------------------------|------------------|----------------|----------------|----------------------------|-------------------|------------------|
| Reach: <b>R19S1.06S1.05</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>None</b>      |                |                | <u>One Side</u>            | <u>Both Sides</u> |                  |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>      | <u>Right</u>   | Berms & Roads: | <b>250.2800</b>            | <b>0.0000</b>     |                  |
|                             |                           | <b>1258</b>      | <b>531</b>     | Berm:          | <b>0.0000</b>              | <b>0.0000</b>     |                  |
| 5.1                         | Flow Regulation - Type:   | <b>None</b>      |                | Path:          | <b>0.000</b>               | <b>0.000</b>      |                  |
|                             | Use:                      |                  |                | Road:          | <b>250.2800</b>            | <b>0.00000</b>    |                  |
| 5.2                         | # of Bridges or Culverts: | <b>2</b>         |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>       |                  |
|                             | Total Length:             | <b>195.000</b>   |                | 6.2            | Corridor Development Data: |                   |                  |
| 5.3                         | Armoring Length           | <u>Left</u>      | <u>Right</u>   | Length:        | <b>107.8500</b>            | <b>70.5600</b>    |                  |
|                             |                           | <b>0.00000</b>   | <b>0.00000</b> | 6.4            | Miander Migration:         |                   |                  |
|                             | Data Armoring:            | <b>None</b>      |                |                | <u>Old</u>                 | <u>New</u>        |                  |
| 5.4                         | Straightening Length:     | <b>351.04999</b> |                | 7.2            | Bank Erosion:              | <b>None</b>       | <b>0.0000000</b> |
|                             | Straightening Data:       |                  |                |                | Bank Height:               | <b>N.D.</b>       | <b>0.000</b>     |



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| Reach: <b>R19S1.05S1.01</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>None</b>        |                |                |                            | <u>One Side</u> | <u>Both Sides</u> |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>        | <u>Right</u>   | Berms & Roads: | <b>0.0000</b>              | <b>0.0000</b>   |                   |
|                             |                           | <b>444</b>         | <b>410</b>     | Berm:          | <b>0.0000</b>              | <b>0.0000</b>   |                   |
| 5.1                         | Flow Regulation - Type:   | <b>None</b>        |                | Path:          | <b>0.000</b>               | <b>0.000</b>    |                   |
|                             | Use:                      |                    |                | Road:          | <b>0.0000</b>              | <b>0.00000</b>  |                   |
| 5.2                         | # of Bridges or Culverts: | <b>1</b>           |                | Railroad:      | <b>0.0000</b>              | <b>0.00</b>     |                   |
|                             | Total Length:             | <b>100.000</b>     |                | 6.2            | Corridor Development Data: |                 |                   |
| 5.3                         | Armoring Length           | <u>Left</u>        | <u>Right</u>   | Length:        | <b>254.0600</b>            | <b>51.6400</b>  |                   |
|                             |                           | <b>0.00000</b>     | <b>0.00000</b> | 6.4            | Miander Migration:         |                 |                   |
|                             | Data Armoring:            | <b>None</b>        |                |                |                            | <u>Old</u>      | <u>New</u>        |
| 5.4                         | Straightening Length:     | <b>0.00000</b>     |                | 7.2            | Bank Erosion:              | <b>None</b>     | <b>0.0000000</b>  |
|                             | Straightening Data:       | <b>None</b>        |                |                | Bank Height:               | <b>N.D.</b>     | <b>0.000</b>      |

|                             |                           |                    |              |             |                                    |                   |
|-----------------------------|---------------------------|--------------------|--------------|-------------|------------------------------------|-------------------|
| Reach: <b>R19S1.05S1.02</b> |                           |                    |              | <u>Step</u> | <u>Description</u>                 | <u>Value</u>      |
|                             | <u>Step</u>               | <u>Description</u> | <u>Value</u> | 5.5         | Dredging History:                  |                   |
| 3.1                         | Alluvial Fan:             | <b>No Data</b>     |              | 6.1         | Berms & Roads Data: <b>No Data</b> |                   |
| 3.2                         | Grade Control:            | <b>No Data</b>     |              |             | <u>One Side</u>                    | <u>Both Sides</u> |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>        | <u>Right</u> |             | Berms & Roads:                     |                   |
|                             |                           |                    |              |             | Berm:                              |                   |
| 5.1                         | Flow Regulation - Type:   |                    |              |             | Path:                              |                   |
|                             | Use:                      |                    |              |             | Road:                              |                   |
| 5.2                         | # of Bridges or Culverts: |                    |              |             | Railroad:                          |                   |
|                             | Total Length:             |                    |              | 6.2         | Corridor Development Data:         | <b>No Data</b>    |
| 5.3                         | Armoring Length           | <u>Left</u>        | <u>Right</u> |             | Length:                            |                   |
|                             |                           |                    |              | 6.4         | Miander Migration:                 |                   |
|                             | Data Armoring:            |                    |              |             | <u>Old</u>                         | <u>New</u>        |
| 5.4                         | Straightening Length:     |                    |              | 7.2         | Bank Erosion:                      |                   |
|                             | Straightening Data:       |                    |              |             | Bank Height:                       |                   |



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| Reach: <b>R19S1.05S1.03</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>                 | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                         | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                         | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                             |                           |                |              |             | Berm:                      |                   |
| 5.1                         | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                             | Use:                      |                |              |             | Road:                      |                   |
| 5.2                         | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                             | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                             | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                         | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                             | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                             |                           |                |              |             | Bank Height:               |                   |

|                             |                           |                |              |             |                            |                   |
|-----------------------------|---------------------------|----------------|--------------|-------------|----------------------------|-------------------|
| Reach: <b>R19S1.05S1.04</b> |                           |                |              | <u>Step</u> | <u>Description</u>         | <u>Value</u>      |
| <u>Step</u>                 | <u>Description</u>        | <u>Value</u>   |              | 5.5         | Dredging History:          |                   |
| 3.1                         | Alluvial Fan:             | <b>No Data</b> |              | 6.1         | Berms & Roads Data:        | <b>No Data</b>    |
| 3.2                         | Grade Control:            | <b>No Data</b> |              |             | <u>One Side</u>            | <u>Both Sides</u> |
| 4.3                         | Buffer Less Than 25 ft    | <u>Left</u>    | <u>Right</u> |             | Berms & Roads:             |                   |
|                             |                           |                |              |             | Berm:                      |                   |
| 5.1                         | Flow Regulation - Type:   |                |              |             | Path:                      |                   |
|                             | Use:                      |                |              |             | Road:                      |                   |
| 5.2                         | # of Bridges or Culverts: |                |              |             | Railroad:                  |                   |
|                             | Total Length:             |                |              | 6.2         | Corridor Development Data: | <b>No Data</b>    |
| 5.3                         | Armoring Length           | <u>Left</u>    | <u>Right</u> |             | Length:                    |                   |
|                             | Data Armoring:            |                |              | 6.4         | Miander Migration:         |                   |
| 5.4                         | Straightening Length:     |                |              |             | <u>Old</u>                 | <u>New</u>        |
|                             | Straightening Data:       |                |              | 7.2         | Bank Erosion:              |                   |
|                             |                           |                |              |             | Bank Height:               |                   |