



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
June, 17 2026

Phase 1 - FIT - Legacy Data Report

East Branch Passumpsic

SGAT Version: 4.56

Reach: **T101**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|-------------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | None | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 1157 | 3793 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 2 | |
| | Total Length: | 146.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 505.560 | 92.1900 |
| | | 00 | 0 |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 1252.81006 | |
| | Straightening Data: | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|------------------|--------------------|
| 5.5 | Dredging History: | Dredging | |
| 6.1 | Berms & Roads Data: | | |
| | | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 3664.9102 | 617.3400 |
| | Berm: | 0.0000 | 0.0000 |
| | Path: | 0.000 | 0.000 |
| | Road: | 3664.9102 | 617.34003 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 647.2000 | 0.0000 |
| 6.4 | Miander Migration: | None | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 2413.409912 |
| | | | 1 |
| | Bank Height: | N.D. | 4.708 |



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VT DEC

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Reach: **T102**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|-------------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | None | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 2765 | 728 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 3 | |
| | Total Length: | 243.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 115.040 | 0.00000 |
| | | 00 | |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 2509.42993 | |
| | Straightening Data: | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|--------------------|--------------------|
| 5.5 | Dredging History: | Dredging | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 5972.2700 | 0.0000 |
| | Berm: | 122.7600 | 0.0000 |
| | Path: | 0.000 | 0.000 |
| | Road: | 5849.5103 | 0.00000 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 1150.7400 | 0.0000 |
| 6.4 | Miander Migration: | Flood Chute | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 1416.630004 |
| | | | 9 |
| | Bank Height: | N.D. | 4.333 |

Reach: **T103**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|-------------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | None | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 0 | 0 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 0 | |
| | Total Length: | 0.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 1342.59 | 0.00000 |
| | | 998 | |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 1421.13000 | |
| | Straightening Data: | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|--------------------|-------------------|
| 5.5 | Dredging History: | Dredging | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 2085.6799 | 0.0000 |
| | Berm: | 0.0000 | 0.0000 |
| | Path: | 0.000 | 0.000 |
| | Road: | 2085.6799 | 0.00000 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 0.0000 | 0.0000 |
| 6.4 | Miander Migration: | Flood Chute | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 0.0000000 |
| | Bank Height: | N.D. | 0.000 |



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VT DEC

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June, 17 2026

Reach: **T104**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|----------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | None | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 0 | 0 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 0 | |
| | Total Length: | 0.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 525.700 | 0.00000 |
| | | 01 | |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 0.00000 | |
| | Straightening Data: | None | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|------------------|-------------------|
| 5.5 | Dredging History: | None | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 1392.8501 | 0.0000 |
| | Berm: | 0.0000 | 0.0000 |
| | Path: | 0.000 | 0.000 |
| | Road: | 1392.8501 | 0.00000 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 900.5900 | 0.0000 |
| 6.4 | Miander Migration: | Multiple | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 0.0000000 |
| | Bank Height: | N.D. | 0.000 |

Reach: **T105**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|-----------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | Multiple | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 0 | 0 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 1 | |
| | Total Length: | 42.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 184.670 | 145.899 |
| | | 00 | 99 |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 0.00000 | |
| | Straightening Data: | None | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|------------------|--------------------|
| 5.5 | Dredging History: | None | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 1957.9200 | 0.0000 |
| | Berm: | 0.0000 | 0.0000 |
| | Path: | 0.000 | 0.000 |
| | Road: | 1957.9200 | 0.00000 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 2463.3301 | 0.0000 |
| 6.4 | Miander Migration: | | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 564.7199707 |
| | Bank Height: | N.D. | 8.000 |



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Vermont.gov
June, 17 2026

Reach: **T106**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|-------------------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | Ledge | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 1863 | 1509 |
| 5.1 | Flow Regulation - Type: | Small Withdrawal | |
| | Use: | Recreation | |
| 5.2 | # of Bridges or Culverts: | 1 | |
| | Total Length: | 72.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 117.840 | 117.730 |
| | | 00 | 00 |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 2198.71997 | |
| | Straightening Data: | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|--------------------|--------------------|
| 5.5 | Dredging History: | None | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 357.8700 | 0.0000 |
| | Berm: | 0.0000 | 0.0000 |
| | Path: | 357.870 | 0.000 |
| | Road: | 0.0000 | 0.00000 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 0.0000 | 0.0000 |
| 6.4 | Miander Migration: | Flood Chute | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 2923.580078 |
| | | | 1 |
| | Bank Height: | N.D. | 3.520 |

Reach: **T107**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|----------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | None | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 0 | 1103 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 4 | |
| | Total Length: | 198.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 742.390 | 1397.22 |
| | | 01 | 998 |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 0.00000 | |
| | Straightening Data: | None | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|--------------------|--------------------|
| 5.5 | Dredging History: | Dredging | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 4122.6699 | 0.0000 |
| | Berm: | 0.0000 | 0.0000 |
| | Path: | 0.000 | 0.000 |
| | Road: | 4122.6699 | 0.00000 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 93.9800 | 0.0000 |
| 6.4 | Miander Migration: | Flood Chute | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 457.7600098 |
| | Bank Height: | N.D. | 3.716 |



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VT DEC

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June, 17 2026

Reach: **T108**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|------------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | None | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 0 | 0 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 0 | |
| | Total Length: | 0.000 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 191.860 | 191.840 |
| | | 00 | 00 |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 968.56000 | |
| | Straightening Data: | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|------------------|-------------------|
| 5.5 | Dredging History: | None | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 3034.9199 | 0.0000 |
| | Berm: | 0.0000 | 0.0000 |
| | Path: | 0.000 | 0.000 |
| | Road: | 3034.9199 | 0.00000 |
| | Railroad: | 0.0000 | 0.00 |
| 6.2 | Corridor Development Data: | | |
| | Length: | 1699.0300 | 0.0000 |
| 6.4 | Miander Migration: | None | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | 0.0000000 |
| | Bank Height: | N.D. | 0.000 |

Reach: **T109**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|----------------|----------------|
| 3.1 | Alluvial Fan: | None | |
| 3.2 | Grade Control: | None | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> |
| | | 1899 | 2136 |
| 5.1 | Flow Regulation - Type: | None | |
| | Use: | | |
| 5.2 | # of Bridges or Culverts: | 2 | |
| | Total Length: | 127.290 | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> |
| | | 125.000 | 122.790 |
| | | 00 | 00 |
| | Data Armoring: | | |
| 5.4 | Straightening Length: | 0.00000 | |
| | Straightening Data: | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|----------------------------|------------------|-------------------|
| 5.5 | Dredging History: | None | |
| 6.1 | Berms & Roads Data: | <u>One Side</u> | <u>Both Sides</u> |
| | Berms & Roads: | 4188.9102 | 0.0000 |
| | Berm: | | |
| | Path: | | |
| | Road: | | |
| | Railroad: | | |
| 6.2 | Corridor Development Data: | | |
| | Length: | 588.9300 | 0.0000 |
| 6.4 | Miander Migration: | None | |
| | | <u>Old</u> | <u>New</u> |
| 7.2 | Bank Erosion: | None | |
| | Bank Height: | N.D. | |



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June, 17 2026

Reach: **T110**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | | <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|---------------------------|--------------|--------------|-------------|----------------------------|-----------------|-------------------|
| 3.1 | Alluvial Fan: | | | 5.5 | Dredging History: | | |
| 3.2 | Grade Control: | | | 6.1 | Berms & Roads Data: | | |
| 4.3 | Buffer Less Than 25 ft | <u>Left</u> | <u>Right</u> | | Berms & Roads: | <u>One Side</u> | <u>Both Sides</u> |
| 5.1 | Flow Regulation - Type: | | | | Berm: | | |
| | Use: | | | | Path: | | |
| 5.2 | # of Bridges or Culverts: | | | | Road: | | |
| | Total Length: | | | | Railroad: | | |
| 5.3 | Armoring Length | <u>Left</u> | <u>Right</u> | 6.2 | Corridor Development Data: | | |
| | Data Armoring: | | | | Length: | | |
| 5.4 | Straightening Length: | | | 6.4 | Miander Migration: | <u>Old</u> | <u>New</u> |
| | Straightening Data: | | | 7.2 | Bank Erosion: | | |
| | | | | | Bank Height: | | |