



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 1 - FIT - Legacy Data Report

East Branch Passumpsic

SGAT Version: 4.56

Reach: **T101**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None		5.5	Dredging History:	Dredging	
3.2	Grade Control:	None		6.1	Berms & Roads Data:		
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>			<u>One Side</u>	<u>Both Sides</u>
		1157	3793		Berms & Roads:	3664.9102	617.3400
5.1	Flow Regulation - Type:	None			Berm:	0.0000	0.0000
	Use:				Path:	0.000	0.000
5.2	# of Bridges or Culverts:	2			Road:	3664.9102	617.34003
	Total Length:	146.000			Railroad:	0.0000	0.00
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Corridor Development Data:		
		505.560	92.1900		Length:	647.2000	0.0000
		00	0	6.4	Miander Migration:	None	
	Data Armoring:					<u>Old</u>	<u>New</u>
5.4	Straightening Length:	1252.81006		7.2	Bank Erosion:	None	2413.409912
	Straightening Data:						1
					Bank Height:	N.D.	4.708



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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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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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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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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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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:		