



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 1 - FIT - Legacy Data Report

Willard Stream

SGAT Version: 3

Reach: **M01**

<u>Step</u>	<u>Description</u>	<u>Value</u>
3.1	Alluvial Fan:	Yes
3.2	Grade Control:	None
5.2	# of Bridges or Culverts:	1
	Total Length:	469.000
5.3	Armoring Length	<u>Left</u> <u>Right</u>
		95.0000 75.0000
		0 0
	Data Armoring:	
5.4	Straightening Length:	1386.00000
	Straightening Data:	

<u>Step</u>	<u>Description</u>	<u>Value</u>
5.5	Dredging History:	None
6.1	Berms & Roads Data:	None
		<u>One Side</u> <u>Both Sides</u>
	Berms & Roads:	
6.2	Dev. Length:	
	Corridor Development Data:	
		<u>Old</u> <u>New</u>
7.2	Bank Erosion:	High 1542.5000000
	Bank Height:	Medium 5.986

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Reach: **M02**

<u>Step</u>	<u>Description</u>	<u>Value</u>
3.1	Alluvial Fan:	
3.2	Grade Control:	
5.2	# of Bridges or Culverts:	0
	Total Length:	
5.3	Armoring Length	<u>Left</u> <u>Right</u>
	Data Armoring:	Not Evaluated
5.4	Straightening Length:	
	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:	
6.2	Dev. Length:	
	Corridor Development Data:	
		<u>Old</u> <u>New</u>
7.2	Bank Erosion:	
	Bank Height:	



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Reach: M03			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1		Alluvial Fan:	5.5	Dredging History:	None
3.2		Grade Control:	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:		6.2	Dev. Length:	
5.3	Armoring Length	<u>Left</u>		Corridor Development Data:	
		<u>Right</u>		<u>Old</u>	<u>New</u>
	Data Armoring:	Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:			Bank Height:	
	Straightening Data:	None			

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Reach: M04			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1		Alluvial Fan:	5.5	Dredging History:	None
3.2		Grade Control:	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:		6.2	Dev. Length:	
5.3	Armoring Length	<u>Left</u>		Corridor Development Data:	
		<u>Right</u>		<u>Old</u>	<u>New</u>
	Data Armoring:	Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:			Bank Height:	
	Straightening Data:	None			



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Reach: M05			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1		Alluvial Fan:	5.5	Dredging History:	None
3.2		Grade Control:	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:		6.2	Dev. Length:	
5.3	Armoring Length	<u>Left</u>		Corridor Development Data:	
		<u>Right</u>		<u>Old</u>	<u>New</u>
	Data Armoring:	Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:			Bank Height:	
	Straightening Data:	None			

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SGAT Version: **3**

Reach: M06			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1		Alluvial Fan:	5.5	Dredging History:	None
3.2		Grade Control:	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:		6.2	Dev. Length:	
5.3	Armoring Length	<u>Left</u>		Corridor Development Data:	
		<u>Right</u>		<u>Old</u>	<u>New</u>
	Data Armoring:	Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:			Bank Height:	
	Straightening Data:	None			



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SGAT Version: **3**

Reach: M07		<u>Step</u>	<u>Description</u>	<u>Value</u>
		5.5	Dredging History:	None
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: 2		Berms & Roads:	
	Total Length: 486.000	6.2	Dev. Length:	
5.3	Armoring Length		Corridor Development Data:	
	<u>Left</u> <u>Right</u>		<u>Old</u> <u>New</u>	
	Data Armoring: Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:		Bank Height:	
	Straightening Data: None			

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SGAT Version: **3**

Reach: M08		<u>Step</u>	<u>Description</u>	<u>Value</u>
		5.5	Dredging History:	None
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: 0		Berms & Roads:	
	Total Length:	6.2	Dev. Length:	
5.3	Armoring Length		Corridor Development Data:	
	<u>Left</u> <u>Right</u>		<u>Old</u> <u>New</u>	
	Data Armoring: Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:		Bank Height:	
	Straightening Data: None			



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SGAT Version: **3**

Reach: M09		<u>Step</u>	<u>Description</u>	<u>Value</u>
		5.5	Dredging History:	None
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: 1		Berms & Roads:	
	Total Length: 420.000	6.2	Dev. Length:	
5.3	Armoring Length		Corridor Development Data:	
			<u>Old</u>	<u>New</u>
	Data Armoring: Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:		Bank Height:	
	Straightening Data: None			

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SGAT Version: **3**

Reach: M10		<u>Step</u>	<u>Description</u>	<u>Value</u>
		5.5	Dredging History:	None
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: 0		Berms & Roads:	
	Total Length:	6.2	Dev. Length:	
5.3	Armoring Length		Corridor Development Data:	
			<u>Old</u>	<u>New</u>
	Data Armoring: Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:		Bank Height:	
	Straightening Data: None			



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Reach: M11			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1		Alluvial Fan:	5.5	Dredging History:	None
3.2		Grade Control:	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	1		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	189.000		Berms & Roads:	
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	
	Data Armoring:	Not Evaluated		Corridor Development Data:	
5.4	Straightening Length:			<u>Old</u>	<u>New</u>
	Straightening Data:	None	7.2	Bank Erosion:	
				Bank Height:	

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Reach: M12			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1		Alluvial Fan:	5.5	Dredging History:	None
3.2		Grade Control:	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	1		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	151.000		Berms & Roads:	
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	
	Data Armoring:	Not Evaluated		Corridor Development Data:	
5.4	Straightening Length:			<u>Old</u>	<u>New</u>
	Straightening Data:	None	7.2	Bank Erosion:	
				Bank Height:	



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SGAT Version: **3**

Reach: M13		<u>Step</u>	<u>Description</u>	<u>Value</u>
		5.5	Dredging History:	None
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: 1		Berms & Roads:	
	Total Length: 171.000	6.2	Dev. Length:	
5.3	Armoring Length		Corridor Development Data:	
	<u>Left</u>		<u>Old</u>	<u>New</u>
	<u>Right</u>			
	Data Armoring: Not Evaluated	7.2	Bank Erosion:	
5.4	Straightening Length:		Bank Height:	
	Straightening Data: None			