



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
May, 20 2024

Phase 1 - FIT - Legacy Data Report

Leach Stream

SGAT Version: 4.56

Reach: M01

<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:	Not Evaluated	
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>
		1786	0		Berms & Roads:	1776.7200	0.0000
5.1	Flow Regulation - Type:	None			Berm:	476.3800	0.0000
	Use:				Path:	0.000	0.000
5.2	# of Bridges or Culverts:	2			Road:	1300.3400	0.00000
	Total Length:	75.000			Railroad:	0.0000	0.00
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Corridor Development Data:		
		42.6900	82.1600		Length:	546.7800	0.0000
		0	0	6.4	Miander Migration:	No Data	
	Data Armoring:					<u>Old</u>	<u>New</u>
5.4	Straightening Length:	2954.44995		7.2	Bank Erosion:	None	329.3699951
	Straightening Data:				Bank Height:	N.D.	7.650



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Reach: M02				<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>		5.5	Dredging History:	Not Evaluated
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000
		3617	8114	Berm:	0.0000	0.0000
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000
	Use:			Road:	0.0000	0.00000
5.2	# of Bridges or Culverts:	3		Railroad:	0.0000	0.00
	Total Length:	655.000		6.2	Corridor Development Data:	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	1340.1500	0.0000
		0.00000	560.270	6.4	Miander Migration:	Multiple
			02		<u>Old</u>	<u>New</u>
	Data Armoring:			7.2	Bank Erosion:	None
5.4	Straightening Length:	4360.24023				1059.349975
						6
	Straightening Data:			Bank Height:	N.D.	10.355

Reach: M03				<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>		5.5	Dredging History:	None
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000
		1228	631	Berm:	0.0000	0.0000
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000
	Use:			Road:	0.0000	0.00000
5.2	# of Bridges or Culverts:	0		Railroad:	0.0000	0.00
	Total Length:	0.000		6.2	Corridor Development Data:	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	0.0000	0.0000
		0.00000	0.00000	6.4	Miander Migration:	None
	Data Armoring:	None			<u>Old</u>	<u>New</u>
5.4	Straightening Length:	1823.69995		7.2	Bank Erosion:	None
						0.0000000
	Straightening Data:			Bank Height:	N.D.	0.000



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Reach: M05				<u>Step</u>	<u>Description</u>	<u>Value</u>	
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Not Evaluated	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	Dam			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	520.1800	371.4600	
		0	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	520.1800	371.45999	
5.2	# of Bridges or Culverts:	1		Railroad:	0.0000	0.00	
	Total Length:	30.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	171.0300	0.0000	
		269.780	0.00000	6.4	Miander Migration:	Not Evaluated	
		00			<u>Old</u>	<u>New</u>	
	Data Armoring:			7.2	Bank Erosion:	None	0.0000000
5.4	Straightening Length:	1511.00000		Bank Height:	N.D.	0.000	
	Straightening Data:						

Reach: M07				<u>Step</u>	<u>Description</u>	<u>Value</u>	
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Not Evaluated	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	223.5000	0.0000	
		519	469	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	223.5000	0.00000	
5.2	# of Bridges or Culverts:	1		Railroad:	0.0000	0.00	
	Total Length:	318.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	375.8600	125.6300	
		0.00000	0.00000	6.4	Miander Migration:	None	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	1591.22998		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:			Bank Height:	N.D.	0.000	



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Reach: M08				<u>Step</u>	<u>Description</u>	<u>Value</u>	
<u>Step</u>	<u>Description</u>	<u>Value</u>		5.5	Dredging History:	Not Evaluated	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	2264.7800	0.0000	
		114	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	2264.7800	0.00000	
5.2	# of Bridges or Culverts:	1		Railroad:	0.0000	0.00	
	Total Length:	20.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	0.0000	0.0000	
		250.590	0.00000	6.4	Miander Migration:	None	
		00			<u>Old</u>	<u>New</u>	
	Data Armoring:			7.2	Bank Erosion:	None	0.0000000
5.4	Straightening Length:	3028.39990			Bank Height:	N.D.	0.000
	Straightening Data:						

Reach: M09				<u>Step</u>	<u>Description</u>	<u>Value</u>	
<u>Step</u>	<u>Description</u>	<u>Value</u>		5.5	Dredging History:	Not Evaluated	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	Ledge			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000	
		0	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	0.0000	0.00000	
5.2	# of Bridges or Culverts:	1		Railroad:	0.0000	0.00	
	Total Length:	15.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	376.7500	0.0000	
		0.00000	0.00000	6.4	Miander Migration:	None	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	376.84000		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:				Bank Height:	N.D.	0.000



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Reach: **M09S1.01**

<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>
		93 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>
		832.060 0.00000
		00
	Data Armoring:	
5.4	Straightening Length:	830.15997
	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:	906.5100 0.0000
	Berm:	0.0000 0.0000
	Path:	0.000 0.000
	Road:	906.5100 0.00000
	Railroad:	0.0000 0.00
6.2	Corridor Development Data:	
	Length:	0.0000 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: **M09S1.02**

<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>
		152 0
5.1	Flow Regulation - Type:	None
	Use:	
5.2	# of Bridges or Culverts:	2
	Total Length:	120.000
5.3	Armoring Length	<u>Left</u> <u>Right</u>
		0.00000 0.00000
	Data Armoring:	None
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:	1400.8600 0.0000
	Berm:	0.0000 0.0000
	Path:	0.000 0.000
	Road:	1400.8600 0.00000
	Railroad:	0.0000 0.00
6.2	Corridor Development Data:	
	Length:	460.5200 0.0000
6.4	Miander Migration:	No Data
		<u>Old</u> <u>New</u>
7.2	Bank Erosion:	None 0.0000000
	Bank Height:	N.D. 0.000



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Reach: M10				<u>Step</u>	<u>Description</u>	<u>Value</u>	
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Not Evaluated	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000	
		0	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	0.0000	0.00000	
5.2	# of Bridges or Culverts:	1		Railroad:	0.0000	0.00	
	Total Length:	20.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	0.0000	0.0000	
		0.00000	0.00000	6.4	Miander Migration:	None	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	240.61000		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:			Bank Height:	N.D.	0.000	

Reach: M10S1.01				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	None			<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:	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:		
				6.4	Miander Migration:	No Data
	Data Armoring:	None			<u>Old</u>	<u>New</u>
5.4	Straightening Length:			7.2	Bank Erosion:	0.0000000
	Straightening Data:	None		Bank Height:		0.000



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Reach: **M10S1.02**

<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	172
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	70.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	160.17000
	Data Armoring:		
5.4	Straightening Length:	319.31000	
	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:	338.0700	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	338.0700	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	No Data	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000

Reach: **M11**

<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:	1	
	Total Length:	35.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
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:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	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:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000



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Reach: M13				<u>Step</u>	<u>Description</u>	<u>Value</u>	
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000	
		0	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	0.0000	0.00000	
5.2	# of Bridges or Culverts:	1		Railroad:	0.0000	0.00	
	Total Length:	20.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	283.2300	0.0000	
		0.00000	0.00000	6.4	Miander Migration:	None	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	0.00000		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:	None			Bank Height:	N.D.	0.000

Reach: M14				<u>Step</u>	<u>Description</u>	<u>Value</u>	
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	No Data	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<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:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:			
				6.4	Miander Migration:	None	
	Data Armoring:	No Data			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:			7.2	Bank Erosion:	0.0000000	
	Straightening Data:	None			Bank Height:	0.000	



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Reach: T2.01				<u>Step</u>	<u>Description</u>	<u>Value</u>	
<u>Step</u>	<u>Description</u>	<u>Value</u>		5.5	Dredging History:	None	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000	
		0	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	0.0000	0.00000	
5.2	# of Bridges or Culverts:	2		Railroad:	0.0000	0.00	
	Total Length:	240.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	241.1100	0.0000	
		0.00000	0.00000	6.4	Miander Migration:	No Data	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	0.00000		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:	None			Bank Height:	N.D.	0.000

Reach: T2.02				<u>Step</u>	<u>Description</u>	<u>Value</u>	
<u>Step</u>	<u>Description</u>	<u>Value</u>		5.5	Dredging History:	None	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000	
		0	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	0.0000	0.00000	
5.2	# of Bridges or Culverts:	2		Railroad:	0.0000	0.00	
	Total Length:	85.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	206.9500	0.0000	
		0.00000	0.00000	6.4	Miander Migration:	No Data	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	0.00000		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:	None			Bank Height:	N.D.	0.000



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Reach: T1.01				<u>Step</u>	<u>Description</u>	<u>Value</u>	
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	1106.4900	0.0000	
		2565	1852	Berm:	253.5100	0.0000	
5.1	Flow Regulation - Type:	None		Path:	350.250	0.000	
	Use:			Road:	502.7300	0.00000	
5.2	# of Bridges or Culverts:	3		Railroad:	0.0000	0.00	
	Total Length:	406.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	452.4100	735.0800	
		0.00000	0.00000	6.4	Miander Migration:	None	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	2590.14014		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:				Bank Height:	N.D.	0.000

Reach: T1.02				<u>Step</u>	<u>Description</u>	<u>Value</u>	
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	1172.8101	0.0000	
		0	0	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	None		Path:	0.000	0.000	
	Use:			Road:	1172.8101	0.00000	
5.2	# of Bridges or Culverts:	0		Railroad:	0.0000	0.00	
	Total Length:	0.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	0.0000	0.0000	
		0.00000	0.00000	6.4	Miander Migration:	None	
	Data Armoring:	None			<u>Old</u>	<u>New</u>	
5.4	Straightening Length:	0.00000		7.2	Bank Erosion:	None	0.0000000
	Straightening Data:	None			Bank Height:	N.D.	0.000