



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T4.03 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	716.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	294.0	27.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,908.6	2,918.9
	Erosion Height (ft.):	5.5	5.5
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length	576.7	374.9
3.2	<u>Buffer Less Than 25 ft.</u>	6241	8363
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 0
	Field Ditch 4	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	2
	Affected length (ft.):	1,196.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	2
	Channel Avulsions:	5
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	940.2
	Dredging:	None



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<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	716.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	294.0	27.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,908.6	2,918.9
	Erosion Height (ft.):	5.5	5.5
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length	576.7	374.9
3.2	<u>Buffer Less Than 25 ft.</u>	6241	8363
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 1
	Field Ditch 0	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	2
	Affected length (ft.):	1,196.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	2
	Channel Avulsions:	5
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	940.2
	Dredging:	None



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Reach: **T4.03 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	716.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	294.0	27.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,908.6	2,918.9
	Erosion Height (ft.):	5.5	5.5
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length	576.7	374.9
3.2	<u>Buffer Less Than 25 ft.</u>	6241	8363
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 0
	Field Ditch 0	Tile Drain 1
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	2
	Affected length (ft.):	1,196.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	2
	Channel Avulsions:	5
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	940.2
	Dredging:	None



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Reach: **T4.04 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	340.8 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	485.3 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	389.1 512.2
	Erosion Height (ft.):	3.9 4.9
	Revetment Type:	Rip-Rap None
	Revetment length	21.8 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	1683 2133
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	None
	Average Heigh (ft.):	
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	4
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	1
	Affected length (ft.):	171.0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	1
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	2
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	401.4
	Dredging:	None



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July, 17 2024

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Reach: **T5.02 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	165.1	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	215.4	45.3
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	205.8	110.0
	Erosion Height (ft.):	4.5	5.0
	Revetment Type:	None	Rip-Rap
	Revetment length	0.0	41.4
3.2	<u>Buffer Less Than 25 ft.</u>	579	252
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	2
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	0
	Channel Avulsions:	2
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	1
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	240.2
	Dredging:	None



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Reach: **T8.02 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	1
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None
		<u>Both</u>		Use:	
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs	
	Path Length (ft.):	0.0	Overland Flow	Road Ditch	
	Road Length (ft.):	0.0	Field Ditch	Tile Drain	
	Railroad Lenth (ft.):	0.0	Other	Ub Strm Wtr Pipe	
	Development Length:	0.0	4.9	Beaver Dams:	0
		128.1		Affected length (ft.):	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	5.2	Migration Features	
	Erosion Length (ft.):	100.0		Flood Chutes:	2
	Erosion Height (ft.):	3.7		Neck Cutoffs:	0
	Revetment Type:	Multiple		Channel Avulsions:	0
	Revetment length	228.0		Braiding:	1
3.2	<u>Buffer Less Than 25 ft.</u>	169	5.3	Steep Riffles and Head Cuts	
	Mass Failures:	139.68		Steep Riffles:	1
	Average Height (ft.):	33.0		Head Cuts:	0
	Mass Failures:	One	5.4	Animal Crossings:	Yes
	Average Heigh (ft.):	33.0	5.5	Channel Alterations	
	Gullies:	None		Straightening:	Straightening
	Number of Gullies	0		Length (ft.):	103.0
	Total Length of Gullies (ft.):	0.0		Dredging:	None
	Average Height of Gullies				



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Reach: **M03 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,802.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	241.8	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,404.5	540.7
	Erosion Height (ft.):	10.0	9.5
	Revetment Type:	Multiple	None
	Revetment length	201.8	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	3
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 2
	Field Ditch 0	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	3.7
	Dredging:	None



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SGAT Version: 4.56

Reach: M03 -A

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	0	
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None	
		<u>Both</u>		Use:		
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs		
	Path Length (ft.):	0.0	Overland Flow	0	Road Ditch	0
	Road Length (ft.):	0.0	Field Ditch	1	Tile Drain	0
	Railroad Lenth (ft.):	0.0	Other	0	Ub Strm Wtr Pipe	0
	Development Length:	0.0	4.9	Beaver Dams:	0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	0.0	
	Erosion Length (ft.):	0.0	5.2	Migration Features		
	Erosion Height (ft.):	0.0	Flood Chutes:	0		
	Revetment Type:	None	Neck Cutoffs:	0		
	Revetment length	0.0	Channel Avulsions:	0		
3.2	<u>Buffer Less Than 25 ft.</u>	0	Braiding:	0		
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts		
	Mass Failures:		Steep Riffles:	0		
	Average Height (ft.):		Head Cuts:	0		
	Mass Failures:	None	5.4	Animal Crossings:	No	
	Average Heigh (ft.):		5.5	Channel Alterations		
	Gullies:	None	Straightening:	Straightening		
	Number of Gullies	0	Length (ft.):	1,491.0		
	Total Length of Gullies (ft.):	0.0	Dredging:	None		
	Average Height of Gullies					



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Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	2,280.2 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	741.6 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	0.0 351.2
	Erosion Height (ft.):	0.0 7.0
	Revetment Type:	None Rip-Rap
	Revetment length	0.0 1,332.8
3.2	<u>Buffer Less Than 25 ft.</u>	0 671
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	195.65 30.4
	Average Height (ft.):	30.3 15.0
	Mass Failures:	Multiple
	Average Heigh (ft.):	23.3
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 0
	Field Ditch 1	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	2,133.3
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: 4.56

Reach: **M04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	2,280.2 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	741.6 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	0.0 351.2
	Erosion Height (ft.):	0.0 7.0
	Revetment Type:	None Rip-Rap
	Revetment length	0.0 1,332.8
3.2	<u>Buffer Less Than 25 ft.</u>	0 671
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	195.65 30.4
	Average Height (ft.):	30.3 15.0
	Mass Failures:	Multiple
	Average Heigh (ft.):	23.3
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	0 Road Ditch 1
	Field Ditch	0 Tile Drain 0
	Other	0 Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	2,133.3
	Dredging:	None



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July, 17 2024

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Reach: **T4.04 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	82.2	123.3
	Erosion Height (ft.):	6.9	6.0
	Revetment Type:	None	None
	Revetment length	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	1843	1842
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	1
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	6
	Affected length (ft.):	240.0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Length (ft.):	0.0
	Dredging:	None



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Agency of Natural Resources



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Black

SGAT Version: **4.56**

Reach: **T12.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	261.4	384.8
	Erosion Height (ft.):	5.3	4.3
	Revetment Type:	None	None
	Revetment length	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	197	350
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Length (ft.):	0.0
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M03 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	1
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None
		<u>Both</u>		Use:	
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs	
	Path Length (ft.):	0.0		Overland Flow	Road Ditch
	Road Length (ft.):	0.0		Field Ditch	Tile Drain
	Railroad Lenth (ft.):	0.0		Other	Ub Strm Wtr Pipe
	Development Length:	323.9	4.9	Beaver Dams:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	0.0
	Erosion Length (ft.):	0.0	5.2	Migration Features	
	Erosion Height (ft.):	0.0		Flood Chutes:	0
	Revetment Type:	Rip-Rap		Neck Cutoffs:	0
	Revetment length	162.3		Channel Avulsions:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0		Braiding:	0
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts	
	Mass Failures:			Steep Riffles:	0
	Average Height (ft.):			Head Cuts:	0
	Mass Failures:	None	5.4	Animal Crossings:	No
	Average Heigh (ft.):		5.5	Channel Alterations	
	Gullies:	None		Straightening:	Straightening
	Number of Gullies	0		Length (ft.):	2,752.0
	Total Length of Gullies (ft.):	0.0		Dredging:	None
	Average Height of Gullies				



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M24 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None
	Berm Length (ft.):	0.0		Use:	
	Path Length (ft.):	0.0	4.7	Stormwater Inputs	
	Road Length (ft.):	874.1		Overland Flow	Road Ditch
	Railroad Lenth (ft.):	0.0		Field Ditch	Tile Drain
	Development Length:	0.0		Other	Ub Strm Wtr Pipe
3.1	<u>Erosion - Bank</u>	<u>Left</u>	4.9	Beaver Dams:	0
	Erosion Length (ft.):	288.5		Affected length (ft.):	0.0
	Erosion Height (ft.):	3.5	5.2	Migration Features	
	Revetment Type:	Rip-Rap		Flood Chutes:	1
	Revetment length	584.0		Neck Cutoffs:	0
3.2	<u>Buffer Less Than 25 ft.</u>	2521		Channel Avulsions:	0
	Mass Failures:	154.52		Braiding:	0
	Average Height (ft.):	25.0	5.3	Steep Riffles and Head Cuts	
	Mass Failures:	One		Steep Riffles:	0
	Average Heigh (ft.):	25.0		Head Cuts:	0
	Gullies:	None	5.4	Animal Crossings:	No
	Number of Gullies	0	5.5	Channel Alterations	
	Total Length of Gullies (ft.):	0.0		Straightening:	Straightening
	Average Height of Gullies			Length (ft.):	741.3
				Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M07 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None
		<u>Both</u>		Use:	
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs	
	Path Length (ft.):	0.0	Overland Flow	Road Ditch	
	Road Length (ft.):	0.0	Field Ditch	Tile Drain	
	Railroad Lenth (ft.):	0.0	Other	Ub Strm Wtr Pipe	
	Development Length:	0.0	4.9	Beaver Dams:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	0.0
	Erosion Length (ft.):	61.0	5.2	Migration Features	
	Erosion Height (ft.):	7.0	Flood Chutes:	2	
	Revetment Type:	Rip-Rap	Neck Cutoffs:	0	
	Revetment length	387.6	Channel Avulsions:	0	
3.2	<u>Buffer Less Than 25 ft.</u>	796	Braiding:	0	
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts	
	Mass Failures:		Steep Riffles:	0	
	Average Height (ft.):		Head Cuts:	0	
	Mass Failures:	None	5.4	Animal Crossings:	No
	Average Heigh (ft.):		5.5	Channel Alterations	
	Gullies:	None	Straightening:	Straightening	
	Number of Gullies	0	Length (ft.):	2,145.9	
	Total Length of Gullies (ft.):	0.0	Dredging:	None	
	Average Height of Gullies				



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T8.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	168.1	255.0
	Erosion Height (ft.):	3.5	4.0
	Revetment Type:	None	None
	Revetment length	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	1207	844
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	1
	Affected length (ft.):	290.0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Length (ft.):	0.0
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T1.04 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	436.4	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	333.4	10.8
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	None	None
	Revetment length	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	339	608
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	1
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	329.3
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T12.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	0.0 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	0.0 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	55.5 97.2
	Erosion Height (ft.):	5.0 4.0
	Revetment Type:	None None
	Revetment length	0.0 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	407 246
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	61.94
	Average Height (ft.):	10.0
	Mass Failures:	One
	Average Heigh (ft.):	10.0
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	2
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	None
	Length (ft.):	0.0
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T1.04 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	1,175.1 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	469.5 22.2
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	156.8 0.0
	Erosion Height (ft.):	3.4 0.0
	Revetment Type:	Rip-Rap Rip-Rap
	Revetment length	94.7 644.4
3.2	<u>Buffer Less Than 25 ft.</u>	1194 1175
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	None
	Average Heigh (ft.):	
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 2
	Field Ditch 0	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	2
	Affected length (ft.):	320.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	1
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	2,170.5
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: 4.56

Reach: **M23 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	2,119.5	1,171.9
	Erosion Height (ft.):	5.2	4.8
	Revetment Type:	None	None
	Revetment length	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	3073	0
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 0
	Field Ditch 0	Tile Drain 1
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	1
	Affected length (ft.):	100.0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	2,550.7
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T6.02 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	107.1	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	171.8	266.9
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	116.6	39.8
	Erosion Height (ft.):	4.0	5.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length	11.0	62.7
3.2	<u>Buffer Less Than 25 ft.</u>	357	98
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Length (ft.):	0.0
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: 4.56

Reach: T6.02 -A

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	17.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	None	None
	Revetment length	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Length (ft.):	0.0
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M29 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	4	
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None	
		<u>Both</u>		Use:		
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs		
	Path Length (ft.):	0.0	Overland Flow	0	Road Ditch	0
	Road Length (ft.):	0.0	Field Ditch	2	Tile Drain	0
	Railroad Lenth (ft.):	0.0	Other	0	Ub Strm Wtr Pipe	0
	Development Length:	0.0	4.9	Beaver Dams:	0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	0.0	
	Erosion Length (ft.):	5,289.4	5.2	Migration Features		
	Erosion Height (ft.):	6.8	Flood Chutes:	1		
	Revetment Type:	None	Neck Cutoffs:	0		
	Revetment length	0.0	Channel Avulsions:	0		
3.2	<u>Buffer Less Than 25 ft.</u>	3117	Braiding:	0		
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts		
	Mass Failures:		Steep Riffles:	0		
	Average Height (ft.):		Head Cuts:	0		
	Mass Failures:	None	5.4	Animal Crossings:	Yes	
	Average Heigh (ft.):		5.5	Channel Alterations		
	Gullies:	None	Straightening:	Straightening		
	Number of Gullies	0	Length (ft.):	822.4		
	Total Length of Gullies (ft.):	0.0	Dredging:	None		
	Average Height of Gullies					



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M29 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	4	
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None	
		<u>Both</u>		Use:		
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs		
	Path Length (ft.):	0.0	Overland Flow	0	Road Ditch	0
	Road Length (ft.):	0.0	Field Ditch	0	Tile Drain	1
	Railroad Lenth (ft.):	0.0	Other	0	Ub Strm Wtr Pipe	0
	Development Length:	0.0	4.9	Beaver Dams:	0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	0.0	
	Erosion Length (ft.):	5,289.4	5.2	Migration Features		
	Erosion Height (ft.):	6.8	Flood Chutes:	1		
	Revetment Type:	None	Neck Cutoffs:	0		
	Revetment length	0.0	Channel Avulsions:	0		
3.2	<u>Buffer Less Than 25 ft.</u>	3117	Braiding:	0		
		4289	5.3	Steep Riffles and Head Cuts		
3.3	<u>Riparian Corridor</u>	<u>Left</u>	Steep Riffles:	0		
	Mass Failures:		Head Cuts:	0		
	Average Height (ft.):		5.4	Animal Crossings:	Yes	
	Mass Failures:	None	5.5	Channel Alterations		
	Average Heigh (ft.):		Straightening:	Straightening		
	Gullies:	None	Length (ft.):	822.4		
	Number of Gullies	0	Dredging:	None		
	Total Length of Gullies (ft.):	0.0				
	Average Height of Gullies					



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T2.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	14.8	0.0
	Erosion Height (ft.):	3.0	0.0
	Revetment Type:	None	Rip-Rap
	Revetment length	0.0	30.8
3.2	<u>Buffer Less Than 25 ft.</u>	97	591
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	3
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	8
	Affected length (ft.):	1,780.0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Length (ft.):	0.0
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M03 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	1,802.0 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	565.8 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	1,404.5 540.7
	Erosion Height (ft.):	10.0 9.5
	Revetment Type:	Multiple None
	Revetment length	364.1 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0 515
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	None
	Average Heigh (ft.):	
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	4
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 0
	Field Ditch 1	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	4,246.7
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M03 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,802.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	565.8	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,404.5	540.7
	Erosion Height (ft.):	10.0	9.5
	Revetment Type:	Multiple	None
	Revetment length	364.1	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	515
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	None	
	Average Heigh (ft.):		
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	4
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 2
	Field Ditch 0	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	4,246.7
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T4.03 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	0.0 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	565.2 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	686.9 687.7
	Erosion Height (ft.):	4.5 4.8
	Revetment Type:	Rip-Rap Rip-Rap
	Revetment length	244.6 58.0
3.2	<u>Buffer Less Than 25 ft.</u>	2396 2543
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	None
	Average Heigh (ft.):	
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	1
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	32.0
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M08 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	240.2	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	180.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,283.7	535.2
	Erosion Height (ft.):	4.4	4.6
	Revetment Type:	None	Rip-Rap
	Revetment length	0.0	621.0
3.2	<u>Buffer Less Than 25 ft.</u>	1621	868
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:	238.31	80.75
	Average Height (ft.):	25.0	35.0
	Mass Failures:	Multiple	
	Average Heigh (ft.):	30.0	
	Gullies:	None	
	Number of Gullies	0	
	Total Length of Gullies (ft.):	0.0	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow 0	Road Ditch 1
	Field Ditch 0	Tile Drain 0
	Other 0	Ub Strm Wtr Pipe 0
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	3
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	4,813.7
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M16 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	0.0 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	0.0 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	1,916.1 856.6
	Erosion Height (ft.):	7.4 7.1
	Revetment Type:	Rip-Rap None
	Revetment length	34.5 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	344 422
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	170.52 251.87
	Average Height (ft.):	60.0 13.0
	Mass Failures:	Multiple
	Average Heigh (ft.):	29.0
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	3
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	4,742.9
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T2.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	4
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None
		<u>Both</u>		Use:	
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs	
	Path Length (ft.):	0.0	Overland Flow	Road Ditch	
	Road Length (ft.):	249.0	Field Ditch	Tile Drain	
	Railroad Lenth (ft.):	0.0	Other	Ub Strm Wtr Pipe	
	Development Length:	361.3	4.9	Beaver Dams:	5
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	790.0
		<u>Right</u>	5.2	Migration Features	
	Erosion Length (ft.):	747.8	Flood Chutes:	3	
	Erosion Height (ft.):	4.0	Neck Cutoffs:	0	
	Revetment Type:	Rip-Rap	Channel Avulsions:	0	
	Revetment length	81.2	Braiding:	0	
		43.8	5.3	Steep Riffles and Head Cuts	
3.2	<u>Buffer Less Than 25 ft.</u>	5729	Steep Riffles:	0	
		5074	Head Cuts:	0	
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.4	Animal Crossings:	Yes
		<u>Right</u>	5.5	Channel Alterations	
	Mass Failures:		Straightening:	Straightening	
	Average Height (ft.):		Length (ft.):	1,295.0	
	Mass Failures:	None	Dredging:	None	
	Average Heigh (ft.):				
	Gullies:	None			
	Number of Gullies	0			
	Total Length of Gullies (ft.):	0.0			
	Average Height of Gullies				



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T6.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	2
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None
		<u>Both</u>		Use:	
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs	
	Path Length (ft.):	0.0		Overland Flow	Road Ditch
	Road Length (ft.):	0.0		Field Ditch	Tile Drain
	Railroad Lenth (ft.):	0.0		Other	Ub Strm Wtr Pipe
	Development Length:	0.0	4.9	Beaver Dams:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	0.0
	Erosion Length (ft.):	102.4	5.2	Migration Features	
	Erosion Height (ft.):	3.0		Flood Chutes:	0
	Revetment Type:	Rip-Rap		Neck Cutoffs:	0
	Revetment length	63.6		Channel Avulsions:	1
3.2	<u>Buffer Less Than 25 ft.</u>	804		Braiding:	1
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts	
	Mass Failures:	20.45		Steep Riffles:	0
	Average Height (ft.):	12.0		Head Cuts:	0
	Mass Failures:	One	5.4	Animal Crossings:	Yes
	Average Heigh (ft.):	12.0	5.5	Channel Alterations	
	Gullies:	None		Straightening:	None
	Number of Gullies	0		Length (ft.):	0.0
	Total Length of Gullies (ft.):	0.0		Dredging:	None
	Average Height of Gullies				



Stream Geomorphic Assessment

Agency of Natural Resources

VT DEC

Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **T2.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	371.7 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	0.0 50.1
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	72.9 52.9
	Erosion Height (ft.):	3.3 4.0
	Revetment Type:	None None
	Revetment length	0.0 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	191 81
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	122.72
	Average Height (ft.):	18.0
	Mass Failures:	Multiple
	Average Heigh (ft.):	18.0
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	5
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	2
	Affected length (ft.):	390.0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	1
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	224.5
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M12 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	3,763.7 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	131.6 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	255.8 274.5
	Erosion Height (ft.):	7.1 5.0
	Revetment Type:	None Rip-Rap
	Revetment length	0.0 158.1
3.2	<u>Buffer Less Than 25 ft.</u>	962 1053
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	None
	Average Heigh (ft.):	
	Gullies:	None
	Number of Gullies	0
	Total Length of Gullies (ft.):	0.0
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.5	Flow Regulation Type:	None
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	0
	Affected length (ft.):	0.0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	2
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Length (ft.):	1,527.4
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 2 - FIT - Legacy Data Report

Black

SGAT Version: **4.56**

Reach: **M05 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	None
		<u>Both</u>		Use:	
	Berm Length (ft.):	0.0	4.7	Stormwater Inputs	
	Path Length (ft.):	0.0		Overland Flow	Road Ditch
	Road Length (ft.):	0.0		Field Ditch	Tile Drain
	Railroad Lenth (ft.):	0.0		Other	Ub Strm Wtr Pipe
	Development Length:	0.0	4.9	Beaver Dams:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	0.0
	Erosion Length (ft.):	388.8	5.2	Migration Features	
	Erosion Height (ft.):	8.9		Flood Chutes:	1
	Revetment Type:	None		Neck Cutoffs:	0
	Revetment length	0.0		Channel Avulsions:	0
3.2	<u>Buffer Less Than 25 ft.</u>	404		Braiding:	0
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts	
	Mass Failures:			Steep Riffles:	0
	Average Height (ft.):			Head Cuts:	0
	Mass Failures:	None	5.4	Animal Crossings:	No
	Average Heigh (ft.):		5.5	Channel Alterations	
	Gullies:	None		Straightening:	Straightening
	Number of Gullies	0		Length (ft.):	2,226.7
	Total Length of Gullies (ft.):	0.0		Dredging:	None
	Average Height of Gullies				