



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: **4.53**

Reach: **MNY10T1.09 -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.):	927.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	221.1	0.0
	Railroad Lenth (ft.):	1,663.4	0.0
	Development Length:	87.9	33.3
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	47.7	47.9
	Erosion Height (ft.):	2.0	2.5
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	748.9	1,161.5
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	10
4.7	Stormwater Inputs	2
4.9	Beaver Dams:	0
	Affected length:	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:	1
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	Dredging



Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: 4.53

Reach: **MNY10T1.08 -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.):	737.3	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	966.5	216.0
	Railroad Lenth (ft.):	173.6	0.0
	Development Length:	208.1	253.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	177.0	175.2
	Erosion Height (ft.):	2.5	2.2
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	496.0	2,145.9
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	3
4.7	Stormwater Inputs	2
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	6
	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
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: **4.53**

Reach: **MNY10T1.08 -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	143.7
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	665.6	0.0
	Railroad Lenth (ft.):	1,839.2	0.0
	Development Length:	0.0	135.6
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,090.6	353.6
	Erosion Height (ft.):	3.3	3.5
	Revetment Type:	Multiple	Multiple
	Revetment length:	592.6	1,428.3
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	1
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	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
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: 4.53

Reach: **MNY10T1.07 -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.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	197.2	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	357.2	701.6
	Erosion Height (ft.):	1.1	2.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	92.8	168.2
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	2
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	1
	Affected length:	5
5.2	Migration Features	
	Flood Chutes:	8
	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
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: 4.53

Reach: **MNY10T1.07 -D**

<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.):	0.0	6.1
	Erosion Height (ft.):	0.0	3.0
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	202.5
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	3
	Affected length:	1000
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:	1
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: 4.53

Reach: **MNY10T1.09 -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.):	330.0	0.0
	Development Length:	84.2	46.5
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	200.0	125.1
	Erosion Height (ft.):	2.6	2.2
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	42.7	110.7
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	8.0	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	7
4.7	Stormwater Inputs	1
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	7
	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
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: 4.53

Reach: **MNY10T1.10 -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.):	115.5	0.0
	Path Length (ft.):	54.7	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	1,412.5	0.0
	Development Length:	0.0	61.3
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	118.7
	Erosion Height (ft.):	0.0	2.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	30.8	211.3
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	1
4.9	Beaver Dams:	0
	Affected length:	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:	3
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

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Reach: **MNY10T1.07 -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.):	1,430.4	0.0
	Development Length:	0.0	59.9
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:	Rip-Rap	Rip-Rap
	Revetment length:	368.4	1,430.4
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	0
	Affected length:	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:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	Dredging



Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: 4.53

Reach: **MNY10T1.11 -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.):	98.9	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	116.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	210.6	92.8
	Erosion Height (ft.):	2.6	2.4
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	250.7	217.8
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	2
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	7
	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
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: **4.53**

Reach: **MNY10T1.10 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	Yes	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	799.3	77.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	23.1	73.9
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	797.3	608.9
	Erosion Height (ft.):	1.6	1.2
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	884.9	336.4
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	1
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	6
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	4
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: **4.53**

Reach: **MNY10T1.07 -E**

<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.):	161.6	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	342.4	0.0
	Railroad Lenth (ft.):	4,695.7	0.0
	Development Length:	116.9	158.7
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,101.8	321.9
	Erosion Height (ft.):	3.4	3.6
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	831.4	3,802.2
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	6
	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
	Dredging:	Dredging



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: **4.53**

Reach: **MNY10T1.07 -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.):	1,237.4	0.0
	Development Length:	0.0	24.2
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	248.5	297.3
	Erosion Height (ft.):	3.5	3.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	55.9	164.9
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	0
	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:	Yes
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: 4.53

Reach: **MNY10T1.09 -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.):	709.9	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	65.0	0.0
	Erosion Height (ft.):	4.0	0.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	65.7	459.2
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	2
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	0
	Affected length:	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
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



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April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mettowee - Indian River

SGAT Version: **4.53**

Reach: **MNY10T1.11 -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.):	66.7	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.):	37.3	36.8
	Erosion Height (ft.):	2.0	2.0
	Revetment Type:	Rip-Rap	None
	Revetment length:	64.2	0.0
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	0
4.9	Beaver Dams:	0
	Affected length:	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
	Dredging:	None