



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.07 -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.):	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.):	269.3	82.9
	Erosion Height (ft.):	2.4	3.3
	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>		
	Mass Failures:	One	
	Average Height (ft.):	20.0	
	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	
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:	7
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.08 -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.):	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.):	161.7	214.9
	Erosion Height (ft.):	5.4	3.6
	Revetment Type:	Rip-Rap	None
	Revetment length:	23.4	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	20.0	
	Gullies:	Multiple	
	Average Height (ft.):	4.7	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	4
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	8
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	4
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	15
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.07 -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.):	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.):	696.8	956.8
	Erosion Height (ft.):	4.3	4.6
	Revetment Type:	Multiple	Multiple
	Revetment length:	187.5	190.6
3.2	<u>Buffer Less Than 25 ft.</u>	179	1810
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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	10
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R24 -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.):	861.7	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,365.7	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	363.7	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	849.9	1,480.9
	Erosion Height (ft.):	6.7	7.2
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	309.2	547.1
3.2	<u>Buffer Less Than 25 ft.</u>	3624	2192
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	30.0	
	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	
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.03 -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.):	1,659.7	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	381.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	2,132.7	593.2
	Erosion Height (ft.):	9.3	6.2
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	1,949.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	1825
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	37.5	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	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:	With Windrowing
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.03 -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.):	1,659.7	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	381.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	2,132.7	593.2
	Erosion Height (ft.):	9.3	6.2
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	1,949.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	1825
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	37.5	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	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:	With Windrowing
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.01 -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	17.9
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	192.5	59.0
	Erosion Height (ft.):	5.4	3.0
	Revetment Type:	Multiple	None
	Revetment length:	161.3	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	186	35
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	
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:	1
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R33 -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	336.5
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	336.5
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:	336.5	336.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
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:	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

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R33 -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.):	110.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	150.4	637.2
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	1,214.4
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:	1,199.3	1,214.4
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
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	2
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:	Straightening
	Dredging:	None



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R22 -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.):	4,461.8	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,478.7	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	410.9	303.0
	Erosion Height (ft.):	9.0	7.2
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	2,196.4
3.2	<u>Buffer Less Than 25 ft.</u>	982	4375
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	25.0	
	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	5
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R29 -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.):	3,353.6	2,100.1
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,465.4	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	520.0
	Erosion Height (ft.):	0.0	6.8
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	443.1	423.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
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:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	3
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

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.06 -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.):	1,116.2	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.):	260.9	463.6
	Erosion Height (ft.):	3.7	3.6
	Revetment Type:	Multiple	Multiple
	Revetment length:	282.7	230.9
3.2	<u>Buffer Less Than 25 ft.</u>	446	125
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	15.0	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	2
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	7
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.06 -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.):	1,116.2	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.):	260.9	463.6
	Erosion Height (ft.):	3.7	3.6
	Revetment Type:	Multiple	Multiple
	Revetment length:	282.7	230.9
3.2	<u>Buffer Less Than 25 ft.</u>	446	125
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	15.0	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	2
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	7
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.06 -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.):	9.1 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	1,185.1 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	184.6 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	347.9 619.2
	Erosion Height (ft.):	3.3 3.2
	Revetment Type:	Rip-Rap None
	Revetment length:	420.1 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	396 0
3.3	<u>Riparian Corridor</u>	
	Mass Failures:	Multiple
	Average Height (ft.):	90.0
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	5
	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:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.06 -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.):	9.1 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	1,185.1 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	184.6 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	347.9 619.2
	Erosion Height (ft.):	3.3 3.2
	Revetment Type:	Rip-Rap None
	Revetment length:	420.1 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	396 0
3.3	<u>Riparian Corridor</u>	
	Mass Failures:	Multiple
	Average Height (ft.):	90.0
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	5
	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:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.08 -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.):	40.2	101.6
	Erosion Height (ft.):	5.7	2.8
	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>		
	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:	4
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	5
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	2
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R31 -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.):	1,584.5	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	682.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,732.8	1,614.9
	Erosion Height (ft.):	6.7	6.8
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	258.1
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	12.5	
	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:	1
	Neck Cutoffs:	2
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	2
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R18 -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.):	1,882.8	407.3
	Railroad Lenth (ft.):	443.6	0.0
	Development Length:	995.5	327.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	240.8	957.5
	Erosion Height (ft.):	25.0	10.4
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,463.2	1,263.5
3.2	<u>Buffer Less Than 25 ft.</u>	1487	812
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	2
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	1
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

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R26 -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.):	3,556.1	23.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,642.0	39.2
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	251.5	570.5
	Erosion Height (ft.):	5.3	5.3
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,352.6	698.3
3.2	<u>Buffer Less Than 25 ft.</u>	2259	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	70.0	
	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	
4.9	Beaver Dams:	0
	Affected length:	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:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.01 -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.):	719.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	807.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	145.8
	Erosion Height (ft.):	0.0	5.1
	Revetment Type:	Multiple	Multiple
	Revetment length:	603.9	641.7
3.2	<u>Buffer Less Than 25 ft.</u>	280	280
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	
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:	2
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.01 -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.):	719.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	807.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	145.8
	Erosion Height (ft.):	0.0	5.1
	Revetment Type:	Multiple	Multiple
	Revetment length:	603.9	641.7
3.2	<u>Buffer Less Than 25 ft.</u>	280	280
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	
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:	2
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.04 -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.):	14.1	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	997.7	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.):	610.7	187.2
	Erosion Height (ft.):	9.1	4.4
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	156.4	983.7
3.2	<u>Buffer Less Than 25 ft.</u>	0	845
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	55.0	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	0
	Channel Avulsions:	2
	Braiding:	2
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



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.04 -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.):	14.1	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	997.7	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.):	610.7	187.2
	Erosion Height (ft.):	9.1	4.4
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	156.4	983.7
3.2	<u>Buffer Less Than 25 ft.</u>	0	845
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	55.0	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	0
	Channel Avulsions:	2
	Braiding:	2
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



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.02 -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.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	658.5	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	121.8	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,217.3	1,533.4
	Erosion Height (ft.):	4.2	4.4
	Revetment Type:	Multiple	Multiple
	Revetment length:	731.7	177.2
3.2	<u>Buffer Less Than 25 ft.</u>	123	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	68.3	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	13
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	6
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	9
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.05 -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.):	887.8	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.):	504.6	208.2
	Erosion Height (ft.):	3.9	3.3
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	32.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	336
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	30.0	
	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	
4.9	Beaver Dams:	0
	Affected length:	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:	1
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R22 -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.):	3,828.9	555.1
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,571.6	144.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,010.2	1,342.6
	Erosion Height (ft.):	7.7	8.1
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,858.7	798.0
3.2	<u>Buffer Less Than 25 ft.</u>	2920	2690
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	40.0	
	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	4
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R22 -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.):	3,828.9	555.1
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,571.6	144.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,010.2	1,342.6
	Erosion Height (ft.):	7.7	8.1
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,858.7	798.0
3.2	<u>Buffer Less Than 25 ft.</u>	2920	2690
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	40.0	
	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	4
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.06 -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.):	459.3	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.):	72.5	219.9
	Erosion Height (ft.):	3.5	3.8
	Revetment Type:	Rip-Rap	None
	Revetment length:	136.6	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	404	0
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	
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R32 -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.):	2,548.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	334.4	331.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	994.8	0.0
	Erosion Height (ft.):	5.6	0.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	474.9	779.4
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
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	3
4.9	Beaver Dams:	0
	Affected length:	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:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.08 -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	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	166.2	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.):	312.0	276.0
	Erosion Height (ft.):	3.4	4.7
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	70.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	44
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	
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:	2
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R30 -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.):	4,423.5	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,229.3	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	4,866.6	2,960.3
	Erosion Height (ft.):	5.4	6.8
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,174.5	1,211.4
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	35.0	
	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	3
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	3
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	4
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R31 -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.):	713.9	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.):	875.1	938.1
	Erosion Height (ft.):	8.6	8.2
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	127.9
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	14.0	
	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	4
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	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
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R20 -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.):	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>	2388	628
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	
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:	Straightening
	Dredging:	None



Stream Geomorphic Assessment

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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R23 -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.):	3,656.7	338.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,323.9	847.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,776.9	1,871.8
	Erosion Height (ft.):	9.3	9.8
	Revetment Type:	Rip-Rap	Multiple
	Revetment length:	439.4	1,675.7
3.2	<u>Buffer Less Than 25 ft.</u>	7315	9227
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	43.0	
	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	
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:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R23 -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.):	3,656.7	338.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,323.9	847.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,776.9	1,871.8
	Erosion Height (ft.):	9.3	9.8
	Revetment Type:	Rip-Rap	Multiple
	Revetment length:	439.4	1,675.7
3.2	<u>Buffer Less Than 25 ft.</u>	7315	9227
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	43.0	
	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	
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.02 -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.):	842.1	107.5
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	270.3	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	795.1	233.9
	Erosion Height (ft.):	4.0	5.4
	Revetment Type:	Multiple	Multiple
	Revetment length:	531.0	386.4
3.2	<u>Buffer Less Than 25 ft.</u>	153	324
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	15.8	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	3
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	3
	Head Cuts:	1
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.07 -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.):	143.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	268.9	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	83.7
	Erosion Height (ft.):	0.0	4.5
	Revetment Type:	Multiple	Multiple
	Revetment length:	115.7	168.8
3.2	<u>Buffer Less Than 25 ft.</u>	0	82
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	21.0	
	Gullies:	One	
	Average Height (ft.):	2.0	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	2
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	1
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R28 -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.):	3,042.4	502.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	244.8	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,032.1	1,044.3
	Erosion Height (ft.):	6.3	6.6
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	410.3	938.4
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	40.0	
	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	3
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	1
	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

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.01 -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.):	690.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	332.0	253.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	328.3	13.2
	Erosion Height (ft.):	4.8	8.0
	Revetment Type:	Multiple	Multiple
	Revetment length:	249.0	253.0
3.2	<u>Buffer Less Than 25 ft.</u>	168	629
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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	0
	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
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.01 -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.):	690.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	332.0	253.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	328.3	13.2
	Erosion Height (ft.):	4.8	8.0
	Revetment Type:	Multiple	Multiple
	Revetment length:	249.0	253.0
3.2	<u>Buffer Less Than 25 ft.</u>	168	629
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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	0
	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
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.08 -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.):	16.9	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	100.1	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.):	616.3	545.8
	Erosion Height (ft.):	7.6	7.1
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	18.7	9.3
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	21.0	
	Gullies:	Multiple	
	Average Height (ft.):	3.5	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	1
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	17
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	5
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	14
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R30 -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:	519.7	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	2,830.1	1,428.2
	Erosion Height (ft.):	5.0	5.4
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	1,123.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	19.3	
	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	2
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	3
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	3
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R21 -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.):	867.1	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	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	Rip-Rap	None
	Revetment length:	895.5	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	162	0
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	
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:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R21 -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.):	3,390.0	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.):	42.4	424.9
	Erosion Height (ft.):	5.0	5.7
	Revetment Type:	Rip-Rap	None
	Revetment length:	2,451.5	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	930
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	
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:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R34 -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.):	3,921.1	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	808.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	65.9	0.0
	Erosion Height (ft.):	5.0	0.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,126.2	1,168.4
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
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	2
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:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R18 -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.):	2,039.3	7,101.3
	Railroad Lenth (ft.):	7,276.8	0.0
	Development Length:	2,616.6	4,849.7
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:	Multiple	Multiple
	Revetment length:	7,775.7	6,757.7
3.2	<u>Buffer Less Than 25 ft.</u>	8197	7275
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	9
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:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R19 -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.):	627.7	1,484.8
	Railroad Lenth (ft.):	814.5	0.0
	Development Length:	990.2	2,120.8
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	75.5	108.6
	Erosion Height (ft.):	8.0	10.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,439.6	2,297.4
3.2	<u>Buffer Less Than 25 ft.</u>	683	1954
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	2
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:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.02 -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.):	610.2	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	137.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	702.5	49.6
	Erosion Height (ft.):	3.9	2.6
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	311.7
3.2	<u>Buffer Less Than 25 ft.</u>	0	264
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	67.5	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	6
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	3
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	2
	Head Cuts:	1
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.05 -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.):	472.2	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.):	740.8	645.2
	Erosion Height (ft.):	6.5	3.2
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	24.4
3.2	<u>Buffer Less Than 25 ft.</u>	0	154
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	28.0	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	5
	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
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R27 -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	1,460.2
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	1,652.2
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:	Multiple	Multiple
	Revetment length:	549.2	439.1
3.2	<u>Buffer Less Than 25 ft.</u>	1011	1524
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	
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:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.03 -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.):	35.5	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,199.4	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	410.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	797.2	739.4
	Erosion Height (ft.):	4.6	5.6
	Revetment Type:	Multiple	Multiple
	Revetment length:	759.1	1,044.9
3.2	<u>Buffer Less Than 25 ft.</u>	517	208
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	62.5	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	11
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	2
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	10
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.05 -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.):	1,454.4	246.2
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	244.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,842.6	1,757.1
	Erosion Height (ft.):	5.8	4.6
	Revetment Type:	Multiple	Multiple
	Revetment length:	602.6	884.7
3.2	<u>Buffer Less Than 25 ft.</u>	788	903
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	36.3	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	3
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	6
	Head Cuts:	1
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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SGAT Version: 3

Reach: **R25 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Value</u>
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	322.4	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	2,382.4	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	570.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	3,703.0	2,422.9
	Erosion Height (ft.):	9.9	8.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,886.4	1,534.1
3.2	<u>Buffer Less Than 25 ft.</u>	2974	1489
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	46.3	
	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:	3
	Channel Avulsions:	1
	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



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SGAT Version: 3

Reach: **M3.04 -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.):	257.5	32.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	31.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	573.1	589.2
	Erosion Height (ft.):	3.4	3.0
	Revetment Type:	Multiple	Multiple
	Revetment length:	89.1	29.3
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	20.8	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	5
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **M3.04 -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.):	257.5	32.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	31.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	573.1	589.2
	Erosion Height (ft.):	3.4	3.0
	Revetment Type:	Multiple	Multiple
	Revetment length:	89.1	29.3
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	20.8	
	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	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	9
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	5
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R32 -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.):	2,059.1	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.):	44.0	0.0
	Erosion Height (ft.):	6.0	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>		
	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:	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



Stream Geomorphic Assessment

Agency of Natural Resources



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Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R27 -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.):	1,809.3	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	916.6	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	114.5	205.0
	Erosion Height (ft.):	4.0	4.6
	Revetment Type:	Multiple	Rip-Rap
	Revetment length:	95.2	175.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	2219
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	
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R27 -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.):	1,809.3	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	916.6	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	114.5	205.0
	Erosion Height (ft.):	4.0	4.6
	Revetment Type:	Multiple	Rip-Rap
	Revetment length:	95.2	175.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	2219
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	
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:	Straightening
	Dredging:	None



Phase 2 - FIT - Legacy Data Report

Winooski - Montpelier to Cabot

SGAT Version: 3

Reach: **R33 -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.):	741.5	343.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	357.4	645.3
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:	1,114.0	1,114.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
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:	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