



Phase 2 - FIT - Legacy Data Report

Winooski Lower - LC up to Alder

SGAT Version: 4.53

Reach: R05 -0

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>8,611.6</b>	<b>1,169.7</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>2,244.6</b>	<b>1,883.1</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>800.4</b>	<b>1,103.8</b>
	Erosion Height (ft.):	<b>10.0</b>	<b>0.0</b>
	Revetment Type:	<b>None</b>	<b>Rip-Rap</b>
	Revetment length:	<b>0.0</b>	<b>1,384.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	
	Gullies:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	

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



Phase 2 - FIT - Legacy Data Report

Winooski Lower - LC up to Alder

SGAT Version: 4.53

Reach: **R02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>2,616.9</b>	<b>488.8</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>2,286.0</b>	<b>816.7</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length:	<b>1,964.1</b>	<b>107.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	
	Gullies:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	

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



Phase 2 - FIT - Legacy Data Report

Winooski Lower - LC up to Alder

SGAT Version: 4.53

Reach: **R02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>438.2</b>	<b>5,378.9</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>5,817.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>1,174.1</b>	<b>1,028.1</b>
	Erosion Height (ft.):	<b>25.0</b>	<b>0.0</b>
	Revetment Type:	<b>None</b>	<b>Rip-Rap</b>
	Revetment length:	<b>0.0</b>	<b>1,425.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	
	Gullies:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	

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



Phase 2 - FIT - Legacy Data Report

Winooski Lower - LC up to Alder

SGAT Version: 4.53

Reach: **R01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>21,113.2</b>	<b>3,560.7</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>14,982.0</b>	<b>1,335.7</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>4,173.2</b>	<b>6,633.3</b>
	Erosion Height (ft.):	<b>10.4</b>	<b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Multiple</b>
	Revetment length:	<b>1,370.3</b>	<b>3,059.5</b>
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	
	Gullies:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	

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



Phase 2 - FIT - Legacy Data Report

Winooski Lower - LC up to Alder

SGAT Version: 4.53

Reach: **R06 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>10,032.2</b>	<b>6,024.0</b>
	Railroad Lenth (ft.):	<b>2,412.3</b>	<b>0.0</b>
	Development Length:	<b>13,092.1</b>	<b>1,557.6</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>390.4</b>	<b>192.3</b>
	Erosion Height (ft.):	<b>10.0</b>	<b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length:	<b>183.3</b>	<b>1,621.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	
	Gullies:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	

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



Phase 2 - FIT - Legacy Data Report

Winooski Lower - LC up to Alder

SGAT Version: 4.53

Reach: **R04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>2,686.6</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>2,592.8</b> <b>155.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>408.7</b> <b>1,099.3</b>
	Erosion Height (ft.):	<b>10.0</b> <b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>None</b>
	Revetment length:	<b>410.3</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	
3.3	<u>Riparian Corridor</u>	
	Mass Failures:	<b>None</b>
	Average Height (ft.):	<b>0.0</b>
	Gullies:	<b>None</b>
	Average Height (ft.):	<b>0.0</b>

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



# Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov  
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## Phase 2 - FIT - Legacy Data Report

## Winooski Lower - LC up to Alder

SGAT Version: **4.53**

Reach: **R03 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>984.3</b>	<b>2,758.5</b>
	Railroad Lenth (ft.):	<b>1,799.8</b>	<b>0.0</b>
	Development Length:	<b>2,670.9</b>	<b>820.9</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>699.2</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length:	<b>80.1</b>	<b>309.5</b>
3.2	<u>Buffer Less Than 25 ft.</u>		
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	
	Gullies:	<b>None</b>	
	Average Height (ft.):	<b>0.0</b>	

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