



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.02 -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.): | 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> | 0 | 245 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.09 -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.): | 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 | Rip-Rap |
| | Revetment length | 50.6 | 62.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02 -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.): | 195.2 | 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.): | 412.4 | 217.5 |
| | Erosion Height (ft.): | 1.0 | 4.8 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 48 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | One | |
| | Number of Gullies | 1 | |
| | Total Length of Gullies (ft.): | 30.0 | |
| | Average Height of Gullies | 3.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 62.4 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **M02.02 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 3,747.1 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 174.1 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 430.6 178.6 |
| | Erosion Height (ft.): | 3.3 3.8 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 121.8 64.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 2 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,909.4 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.04 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|-----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 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.): | 258.8 | 408.7 |
| | Erosion Height (ft.): | 5.2 | 6.0 |
| | Revetment Type: | Rip-Rap | Multiple |
| | Revetment length | 57.3 | 36.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 44 | 131 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 1 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.06 -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.): | 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.): | 438.0 | 88.0 |
| | Erosion Height (ft.): | 8.2 | 5.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 218.2 | |
| | Average Height (ft.): | 41.0 | |
| | Mass Failures: | Multiple | |
| | Average Heigh (ft.): | 36.3 | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 14 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.01 -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.): | 0.0 578.8 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 253.0 1,225.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 509.0 498.5 |
| | Erosion Height (ft.): | 4.1 4.3 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 1,837.0 1,321.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1013 919 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 0 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 2 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,991.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.01 -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.): | 0.0 578.8 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 253.0 1,225.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 509.0 498.5 |
| | Erosion Height (ft.): | 4.1 4.3 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 1,837.0 1,321.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1013 919 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 2 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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 |
| | Length (ft.): | 1,991.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.01 -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.): | 0.0 578.8 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 253.0 1,225.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 509.0 498.5 |
| | Erosion Height (ft.): | 4.1 4.3 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 1,837.0 1,321.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1013 919 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 |
| | Road Ditch | 0 |
| | Field Ditch | 0 |
| | Tile Drain | 1 |
| | Other | 0 |
| | Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,991.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.01 -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 | 578.8 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 253.0 | 1,225.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 509.0 | 498.5 |
| | Erosion Height (ft.): | 4.1 | 4.3 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 1,837.0 | 1,321.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1013 | 919 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 6 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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 |
| | Length (ft.): | 1,991.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.04 -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.): | 95.3 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.): | 95.6 443.7 |
| | Erosion Height (ft.): | 3.0 3.2 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 479 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 41.75 |
| | Average Height (ft.): | 9.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 9.0 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 52.0 |
| | Average Height of Gullies | 5.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 9 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 8 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02 -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.): | 114.8 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: | 15.2 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 300.9 326.7 |
| | Erosion Height (ft.): | 2.6 3.7 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 533 90 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 20.06441 |
| | Average Height (ft.): | 12.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 12.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 4 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 608.2 |
| | Dredging: | Dredging, Gravel Mining |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.01 -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.): | 814.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 284.3 | 430.9 |
| 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: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 199 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | Small Store and Release |
| | Use: | Other |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 1 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 862.5 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02 -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.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 213.1 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 188.6 | 403.8 |
| | Erosion Height (ft.): | 2.2 | 3.4 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 216 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.01 -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.): | 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.): | 987.0 978.2 |
| | Erosion Height (ft.): | 1.5 1.7 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 126 265 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 54.88546 |
| | Average Height (ft.): | 12.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 12.0 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 25.0 |
| | Average Height of Gullies | 2.5 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 2 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 12 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 12 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.03 -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.): | 1,302.2 1,663.4 |
| | Erosion Height (ft.): | 2.5 2.5 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 52.84823 145.5325 |
| | Average Height (ft.): | 12.0 14.9 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 12.8 |
| | Gullies: | Multiple |
| | Number of Gullies | 2 |
| | Total Length of Gullies (ft.): | 340.0 |
| | Average Height of Gullies | 3.5 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 20 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 2 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 33 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02-S1.01 -F**

| <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.): | 153.3 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.): | 619.9 387.3 |
| | Erosion Height (ft.): | 1.6 1.5 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 70 57 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 67.5457 |
| | Average Height (ft.): | 50.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 50.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 111.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.02 -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.): | 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> | 0 | 228 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.02 -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.): | 94.7 | 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.): | 183.1 | 101.2 |
| | Erosion Height (ft.): | 5.0 | 12.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length | 0.0 | 91.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.02 -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.): | 94.7 | 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.): | 183.1 | 101.2 |
| | Erosion Height (ft.): | 5.0 | 12.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length | 0.0 | 91.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 7 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.06 -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.): | 24.1 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.): | 752.5 411.2 |
| | Erosion Height (ft.): | 2.2 2.9 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 39.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 66.70895 |
| | Average Height (ft.): | 15.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 15.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 1 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 2 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 43.9 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.03 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 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> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R10.S3.07 -0

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | | |
| | Path Length (ft.): | | |
| | Road Length (ft.): | | |
| | Railroad Lenth (ft.): | | |
| | Development Length: | | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | | |
| | Erosion Height (ft.): | | |
| | Revetment Type: | | |
| | Revetment length | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | | |
| | Average Heigh (ft.): | | |
| | Gullies: | | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | |
| 4.5 | Flow Regulation Type: | |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | |
| | Affected length (ft.): | |
| 5.2 | Migration Features | |
| | Flood Chutes: | |
| | Neck Cutoffs: | |
| | Channel Avulsions: | |
| | Braiding: | |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | |
| | Head Cuts: | |
| 5.4 | Animal Crossings: | |
| 5.5 | Channel Alterations | |
| | Straightening: | |
| | Length (ft.): | 0.0 |
| | Dredging: | |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S1.03 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 819.2 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 440.3 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 431.5 794.0 |
| | Erosion Height (ft.): | 3.6 5.3 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 136.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 1769 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 17.95 |
| | Average Height (ft.): | 8.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 8.0 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 3.0 |
| | Average Height of Gullies | 3.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 1 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 3,384.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R12 -0

| Step | Description | Value |
|------|--------------------------------|-----------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | Encroachments - Side | One Both |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 3,873.8 8,175.5 |
| | Railroad Lenth (ft.): | 6,105.5 0.0 |
| | Development Length: | 5,227.5 2,310.9 |
| 3.1 | Erosion - Bank | Left Right |
| | Erosion Length (ft.): | 3,338.0 2,181.8 |
| | Erosion Height (ft.): | 5.8 4.3 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 3,262.0 1,383.7 |
| 3.2 | Buffer Less Than 25 ft. | 8724 2846 |
| 3.3 | Riparian Corridor | Left Right |
| | Mass Failures: | 67.51814 |
| | Average Height (ft.): | 25.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 25.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| Step | Description | Value |
|------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 1 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 6,402.9 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R13.S1.02-S1.01 -C

| Step | Description | Value |
|------|--------------------------------|---------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | Encroachments - Side | One Both |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 1,522.6 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 368.4 0.0 |
| 3.1 | Erosion - Bank | Left Right |
| | Erosion Length (ft.): | 1,276.8 220.9 |
| | Erosion Height (ft.): | 4.0 3.3 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 531.9 |
| 3.2 | Buffer Less Than 25 ft. | 0 758 |
| 3.3 | Riparian Corridor | Left Right |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| Step | Description | Value |
|------|-----------------------------|--------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 2 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 200.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,186.2 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.05 -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.): | 192.3 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 104.6 | 59.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 717.3 | 431.7 |
| | Erosion Height (ft.): | 3.6 | 3.8 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 151.8 | 176.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 452 | 543 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 16 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 3,420.4 |
| | Dredging: | Gravel Mining |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.03 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 76.7 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 1,148.9 1,083.9 |
| | Erosion Height (ft.): | 3.0 2.9 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 79.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 311 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 13.46466 |
| | Average Height (ft.): | 8.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 8.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 1 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 285.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 21 |
| | Neck Cutoffs: | 3 |
| | Channel Avulsions: | 1 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 19 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 226.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.09 -D**

| <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.): | 108.8 | 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.): | 109.9 | 168.3 |
| | Erosion Height (ft.): | 2.5 | 2.5 |
| | Revetment Type: | Hard Bank | Hard Bank |
| | Revetment length | 30.5 | 30.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 3 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 4 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 2 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 19 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 161.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02 -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.): | 320.3 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 230.8 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 725.1 1,054.9 |
| | Erosion Height (ft.): | 3.3 3.6 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 570 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 199.3638 249.5739 |
| | Average Height (ft.): | 15.0 27.4 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 23.8 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | |
| | Average Height of Gullies | 2.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 1 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 9 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.06 -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.): | 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.): | 437.3 | 99.1 |
| | Erosion Height (ft.): | 14.6 | 5.4 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 361.23 | |
| | Average Height (ft.): | 27.3 | |
| | Mass Failures: | Multiple | |
| | Average Heigh (ft.): | 25.0 | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 1 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.03 -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.): | 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.): | 181.6 | 0.0 |
| | Erosion Height (ft.): | 6.2 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 43.73 | |
| | Average Height (ft.): | 25.0 | |
| | Mass Failures: | One | |
| | Average Heigh (ft.): | 25.0 | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 9 |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.04 -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.): | 138.9 | 200.9 |
| | Erosion Height (ft.): | 9.3 | 8.1 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 89 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | Small Withdrawal Recreation |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 89.4 |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 704.0 191.3 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 1,180.9 43.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 299.6 769.8 |
| | Erosion Height (ft.): | 4.5 3.8 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 448.6 523.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1170 422 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 23.66 |
| | Average Height (ft.): | 10.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 10.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 6 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 1 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 2 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 10 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,098.7 |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|-------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 704.0 191.3 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 1,180.9 43.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 299.6 769.8 |
| | Erosion Height (ft.): | 4.5 3.8 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 448.6 523.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1170 422 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 23.66 |
| | Average Height (ft.): | 10.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 10.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 6 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 2 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 2 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 10 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,098.7 |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.04 -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.): | 57.8 | 146.0 |
| | Erosion Height (ft.): | 5.0 | 5.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 85 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 83.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.08 -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.): | 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.): | 501.7 422.7 |
| | Erosion Height (ft.): | 2.6 3.6 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 63.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 62 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 155.5676 62.39115 |
| | Average Height (ft.): | 21.8 10.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 16.8 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 75.0 |
| | Average Height of Gullies | 1.5 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 1 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 5 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02-S1.01 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 63.2 231.3 |
| | Erosion Height (ft.): | 3.0 3.5 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 98.0432 |
| | Average Height (ft.): | 14.1 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 13.5 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 100.0 |
| | Average Height of Gullies | 2.0 |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.03 -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.): | 59.3 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 522.1 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 717.2 | 400.5 |
| | Erosion Height (ft.): | 4.6 | 3.2 |
| | Revetment Type: | Rip-Rap | None |
| | Revetment length | 137.8 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1077 | 321 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,893.2 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02-S1.01 -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.): | 775.9 | 942.2 |
| | Erosion Height (ft.): | 2.5 | 2.7 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 59.0 | 28.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1061 | 830 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 1 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 943.4 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02 -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.): | 113.2 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 294.4 | 320.9 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 1,031.1 | 144.3 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 27.9 | 33.7 |
| | Erosion Height (ft.): | 6.0 | 4.4 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 407.6 | 775.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 543 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 4 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,047.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02 -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.): | 113.2 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 294.4 | 320.9 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 1,031.1 | 144.3 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 27.9 | 33.7 |
| | Erosion Height (ft.): | 6.0 | 4.4 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 407.6 | 775.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 543 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 2 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,047.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.06 -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.): | 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> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02-S1.01 -G**

| <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.): | 613.1 736.0 |
| | Erosion Height (ft.): | 1.5 1.8 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 47 149 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 37.50131 34.51685 |
| | Average Height (ft.): | 15.0 10.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 12.5 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.01 -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.): | 91.8 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 525.6 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 147.5 50.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 681.5 267.2 |
| | Erosion Height (ft.): | 3.8 3.1 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 13.8 129.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 46 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 704.4 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.02 -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.): | 146.1 226.2 |
| | Erosion Height (ft.): | 1.1 1.2 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 71.64204 |
| | Average Height (ft.): | 12.2 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 11.7 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 6 |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R13.S1.02-S1.07 -0

| <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.): | 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.): | 331.9 641.1 |
| | Erosion Height (ft.): | 3.8 3.1 |
| | Revetment Type: | None Multiple |
| | Revetment length | 0.0 310.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 37 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 109.8759 |
| | Average Height (ft.): | 9.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 9.7 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 82.0 |
| | Average Height of Gullies | 1.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 1 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 2 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02-S1.01 -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.): | 285.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 3,084.6 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 328.5 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 464.4 458.9 |
| | Erosion Height (ft.): | 3.8 2.6 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 602.3 626.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1627 1593 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 53.26961 |
| | Average Height (ft.): | 17.2 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 16.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 5 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,218.7 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02 -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.): | 257.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 569.9 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 44.1 10.3 |
| | Erosion Height (ft.): | 10.0 5.0 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 212.5 214.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 91 137 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 39.38 |
| | Average Height (ft.): | 9.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 9.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.03 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 416.0 | 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.): | 21.0 | 58.6 |
| | Erosion Height (ft.): | 1.0 | 7.0 |
| | Revetment Type: | Rip-Rap | None |
| | Revetment length | 391.6 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 415 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 1 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 382.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02 -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.): | 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: | 137.2 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 185.4 | 98.9 |
| | Erosion Height (ft.): | 2.4 | 2.7 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 126.4 | 44.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 679 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 1 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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 |
| | Length (ft.): | 679.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.09 -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.): | 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.): | 213.0 185.2 |
| | Erosion Height (ft.): | 2.4 2.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 19.1 30.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 59 61 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 10 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.02 -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.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 1,018.9 771.0 |
| | Erosion Height (ft.): | 1.5 1.5 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 13.2 17.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 202 51 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 101.0598 93.71518 |
| | Average Height (ft.): | 10.1 12.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 10.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 2 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 3 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 3 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 94.2 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.02 -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.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 31.4 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 351.8 372.0 |
| | Erosion Height (ft.): | 1.8 1.6 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 13.7 27.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 67 80 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 61.64129 |
| | Average Height (ft.): | 20.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 20.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | Small |
| | Use: | Withdrawal |
| | Use: | Other |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 1 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 5 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 98.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.02 -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.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 31.4 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 351.8 | 372.0 |
| | Erosion Height (ft.): | 1.8 | 1.6 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 13.7 | 27.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 67 | 80 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 61.64129 | |
| | Average Height (ft.): | 20.0 | |
| | Mass Failures: | One | |
| | Average Heigh (ft.): | 20.0 | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|-------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | Small Withdrawal |
| | Use: | Other |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 |
| | Road Ditch | 2 |
| | Field Ditch | 0 |
| | Tile Drain | 0 |
| | Other | 0 |
| | Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 5 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 98.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.03-S1.01 -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.): | 224.2 | 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.): | 97.7 | 171.3 |
| | Erosion Height (ft.): | 3.3 | 3.8 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 307.5 | 259.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 265 | 831 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 1 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 831.9 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.03-S1.01 -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.): | 73.5 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.): | 343.1 268.6 |
| | Erosion Height (ft.): | 4.2 3.8 |
| | Revetment Type: | Rip-Rap None |
| | Revetment length | 91.4 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 466 44 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 140.8271 |
| | Average Height (ft.): | 8.6 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 8.7 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | |
| | Average Height of Gullies | 3.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 1 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 690.3 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.06 -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.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 790.2 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.): | 996.1 856.4 |
| | Erosion Height (ft.): | 3.1 2.9 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 325.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 558 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 37.20098 174.4141 |
| | Average Height (ft.): | 10.0 20.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 15.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 6 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 8 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 3,218.5 |
| | Dredging: | Commercial Mining |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.01 -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.): | 46.9 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 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 521.9 361.7 |
| | Erosion Height (ft.): | 3.7 2.1 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 62.26292 |
| | Average Height (ft.): | 10.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 10.0 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 300.0 |
| | Average Height of Gullies | 10.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 4 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 46.9 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **M02.01 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 2,991.2 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 1,146.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 344.5 692.9 |
| | Erosion Height (ft.): | 4.6 15.5 |
| | Revetment Type: | Multiple Rip-Rap |
| | Revetment length | 667.0 651.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 596 840 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 108.4944 |
| | Average Height (ft.): | 40.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 40.0 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 65.0 |
| | Average Height of Gullies | 4.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | Small Withdrawal |
| | Use: | Recreation |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 2 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 6 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 4 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,266.7 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **M02.01 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 2,991.2 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 1,146.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 344.5 692.9 |
| | Erosion Height (ft.): | 4.6 15.5 |
| | Revetment Type: | Multiple Rip-Rap |
| | Revetment length | 667.0 651.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 596 840 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 108.4944 |
| | Average Height (ft.): | 40.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 40.0 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 65.0 |
| | Average Height of Gullies | 4.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | Small Withdrawal |
| | Use: | Recreation |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 4 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 6 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 4 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,266.7 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.08 -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.): | 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.): | 100.5 111.8 |
| | Erosion Height (ft.): | 3.4 2.0 |
| | Revetment Type: | None Rip-Rap |
| | Revetment length | 0.0 165.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 42.76156 |
| | Average Height (ft.): | 12.6 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 11.5 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **M02.04 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|-----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 890.5 | 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 | 65.1 |
| | Erosion Height (ft.): | 0.0 | 4.0 |
| | Revetment Type: | None | Multiple |
| | Revetment length | 0.0 | 151.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 145 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 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 |
| | Length (ft.): | 159.6 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.09 -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.): | 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> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 1 |
| | Affected length (ft.): | 300.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02-S1.01 -A**

| <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.): | 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.): | 264.6 326.1 |
| | Erosion Height (ft.): | 1.8 2.4 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 249 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **M02.03 -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.): | 931.0 | 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> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **M02.03 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 1,990.6 | 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> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 1 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.04 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 141.4 | 0.0 |
| | Erosion Height (ft.): | 5.0 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02-S1.01 -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.): | 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.): | 694.4 892.8 |
| | Erosion Height (ft.): | 2.7 2.3 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 87.3 95.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1741 1880 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 272.8298 |
| | Average Height (ft.): | 29.3 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 27.5 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 65.0 |
| | Average Height of Gullies | 4.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 0 |
| | Field Ditch | 2 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,138.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R11 -A

| Step | Description | Value |
|------|--------------------------------|-----------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | Encroachments - Side | One Both |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 12,856.8 |
| | Railroad Lenth (ft.): | 12,856.8 0.0 |
| | Development Length: | 4,642.0 393.7 |
| 3.1 | Erosion - Bank | Left Right |
| | Erosion Length (ft.): | 1,500.8 1,085.1 |
| | Erosion Height (ft.): | 9.1 7.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 664.1 3,675.8 |
| 3.2 | Buffer Less Than 25 ft. | 2603 5404 |
| 3.3 | Riparian Corridor | Left Right |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| Step | Description | Value |
|------|-----------------------------|--------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 1 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 8,454.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R11 -A

| Step | Description | Value |
|------|--------------------------------|-----------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | Encroachments - Side | One Both |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 12,856.8 |
| | Railroad Lenth (ft.): | 12,856.8 0.0 |
| | Development Length: | 4,642.0 393.7 |
| 3.1 | Erosion - Bank | Left Right |
| | Erosion Length (ft.): | 1,500.8 1,085.1 |
| | Erosion Height (ft.): | 9.1 7.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 664.1 3,675.8 |
| 3.2 | Buffer Less Than 25 ft. | 2603 5404 |
| 3.3 | Riparian Corridor | Left Right |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| Step | Description | Value |
|------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 1 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 8,454.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R14 -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.): | 937.8 | 15,268.5 |
| | Railroad Lenth (ft.): | 12,698.0 | 0.0 |
| | Development Length: | 13,534.6 | 861.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 2,234.8 | 2,103.2 |
| | Erosion Height (ft.): | 5.1 | 5.9 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 1,377.1 | 2,697.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 2557 | 1867 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 2 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 6 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 2 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 4 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,127.7 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.01 -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.): | 1,749.1 197.3 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 583.9 281.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 39.3 95.8 |
| | Erosion Height (ft.): | 2.0 2.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 1,637.5 1,145.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1425 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 29.59 |
| | Average Height (ft.): | 20.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 20.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 2 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,690.7 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.01 -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.): | 1,749.1 197.3 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 583.9 281.8 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 39.3 95.8 |
| | Erosion Height (ft.): | 2.0 2.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 1,637.5 1,145.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1425 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 29.59 |
| | Average Height (ft.): | 20.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 20.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 0 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,690.7 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S1.03 -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.): | 230.1 474.9 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 134.5 36.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 261.4 526.4 |
| | Erosion Height (ft.): | 2.3 2.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 142.8 423.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 70 1903 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 141.13 |
| | Average Height (ft.): | 11.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 11.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 1 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 8 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,173.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R13 -0

| Step | Description | Value |
|------|--------------------------------|-------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | Encroachments - Side | One Both |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 2,473.9 17,694.4 |
| | Railroad Lenth (ft.): | 13,325.4 0.0 |
| | Development Length: | 6,504.7 11,204.9 |
| 3.1 | Erosion - Bank | Left Right |
| | Erosion Length (ft.): | 5,956.5 4,259.6 |
| | Erosion Height (ft.): | 5.6 5.8 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 5,191.0 8,132.1 |
| 3.2 | Buffer Less Than 25 ft. | 11004 6799 |
| 3.3 | Riparian Corridor | Left Right |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| Step | Description | Value |
|------|-----------------------------|--------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 2 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 19,534.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R13 -0

| Step | Description | Value |
|------|--------------------------------|-------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | Encroachments - Side | One Both |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 2,473.9 17,694.4 |
| | Railroad Lenth (ft.): | 13,325.4 0.0 |
| | Development Length: | 6,504.7 11,204.9 |
| 3.1 | Erosion - Bank | Left Right |
| | Erosion Length (ft.): | 5,956.5 4,259.6 |
| | Erosion Height (ft.): | 5.6 5.8 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 5,191.0 8,132.1 |
| 3.2 | Buffer Less Than 25 ft. | 11004 6799 |
| 3.3 | Riparian Corridor | Left Right |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| Step | Description | Value |
|------|-----------------------------|--------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 1 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 19,534.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R13 -0

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 2,473.9 | 17,694.4 |
| | Railroad Lenth (ft.): | 13,325.4 | 0.0 |
| | Development Length: | 6,504.7 | 11,204.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 5,956.5 | 4,259.6 |
| | Erosion Height (ft.): | 5.6 | 5.8 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 5,191.0 | 8,132.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 11004 | 6799 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 |
| | Road Ditch | 4 |
| | Field Ditch | 0 |
| | Tile Drain | 0 |
| | Other | 0 |
| | Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 19,534.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: R13 -0

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 2,473.9 | 17,694.4 |
| | Railroad Lenth (ft.): | 13,325.4 | 0.0 |
| | Development Length: | 6,504.7 | 11,204.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 5,956.5 | 4,259.6 |
| | Erosion Height (ft.): | 5.6 | 5.8 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 5,191.0 | 8,132.1 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 11004 | 6799 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 2 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 19,534.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.01 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 539.2 | 464.8 |
| | Erosion Height (ft.): | 3.6 | 3.7 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 432.0 | 211.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 954 | 650 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 1 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,575.2 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S2.02 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | | |
| | Path Length (ft.): | | |
| | Road Length (ft.): | | |
| | Railroad Lenth (ft.): | | |
| | Development Length: | | |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | | |
| | Erosion Height (ft.): | | |
| | Revetment Type: | | |
| | Revetment length | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | | |
| | Average Heigh (ft.): | | |
| | Gullies: | | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | |
| 4.5 | Flow Regulation Type: | |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | |
| | Affected length (ft.): | |
| 5.2 | Migration Features | |
| | Flood Chutes: | |
| | Neck Cutoffs: | |
| | Channel Avulsions: | |
| | Braiding: | |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | |
| | Head Cuts: | |
| 5.4 | Animal Crossings: | |
| 5.5 | Channel Alterations | |
| | Straightening: | |
| | Length (ft.): | 0.0 |
| | Dredging: | |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.02 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|---------------------------|
| 1.2 | Alluvial Fan: | None |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> |
| | Berm Length (ft.): | 0.0 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 0.0 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 296.0 803.0 |
| | Erosion Height (ft.): | 2.0 2.4 |
| | Revetment Type: | None None |
| | Revetment length | 0.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 129.1136 |
| | Average Height (ft.): | 9.1 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 9.0 |
| | Gullies: | One |
| | Number of Gullies | 1 |
| | Total Length of Gullies (ft.): | 93.0 |
| | Average Height of Gullies | 3.0 |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.02 -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.): | 339.0 | 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> | 0 | 71 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.02 -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.): | 339.0 | 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> | 0 | 71 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.02 -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.): | 368.8 | 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.): | 25.4 | 0.0 |
| | Erosion Height (ft.): | 5.0 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 229 | 546 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R11 -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.): | 587.4 | 4,134.0 |
| | Railroad Lenth (ft.): | 3,467.4 | 0.0 |
| | Development Length: | 2,056.1 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 300.9 | 655.2 |
| | Erosion Height (ft.): | 5.0 | 3.6 |
| | Revetment Type: | Multiple | None |
| | Revetment length | 339.9 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | Large Run of River |
| | Use: | Hydro-electric |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.01 -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: | 323.7 | 156.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 147.1 | 70.2 |
| | Erosion Height (ft.): | 1.2 | 2.1 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 89.7 | 172.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 272 | 707 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 1 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 526.2 |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.01 -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: | 323.7 | 156.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 147.1 | 70.2 |
| | Erosion Height (ft.): | 1.2 | 2.1 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 89.7 | 172.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 272 | 707 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 1 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 5 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 526.2 |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.04 -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.): | 175.7 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 753.7 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 1,326.2 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 78.5 | 342.2 |
| | Erosion Height (ft.): | 5.0 | 4.4 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length | 591.9 | 620.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 393 | 292 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 |
| | Road Ditch | 1 |
| | Field Ditch | 0 |
| | Tile Drain | 0 |
| | Other | 0 |
| | Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,702.4 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.01 -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.): | 78.7 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.): | 767.9 997.3 |
| | Erosion Height (ft.): | 1.6 1.6 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 159.5 81.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 692 334 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 25.9401 101.1877 |
| | Average Height (ft.): | 25.0 11.2 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 15.8 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 1 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 20 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 438.9 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03-S1.01 -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.): | 78.7 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.): | 767.9 997.3 |
| | Erosion Height (ft.): | 1.6 1.6 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 159.5 81.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 692 334 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 25.9401 101.1877 |
| | Average Height (ft.): | 25.0 11.2 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 15.8 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 0 |
| | Field Ditch | 1 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 20 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 438.9 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.01 -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.): | 175.7 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.): | 31.6 704.1 |
| | Erosion Height (ft.): | 5.0 5.0 |
| | Revetment Type: | Rip-Rap None |
| | Revetment length | 31.6 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 154 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 56.63 |
| | Average Height (ft.): | 40.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 40.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 1 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length (ft.): | 300.0 |
| 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: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 1,335.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.01 -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.): | 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.): | 544.9 | 625.8 |
| | Erosion Height (ft.): | 3.1 | 4.3 |
| | 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> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 158.5 | |
| | Average Height (ft.): | 13.8 | |
| | Mass Failures: | Multiple | |
| | Average Heigh (ft.): | 11.0 | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

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



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02-S1.01 -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.): | 2,518.3 147.8 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 775.9 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 751.2 304.4 |
| | Erosion Height (ft.): | 2.9 2.7 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 466.6 1,448.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1155 3208 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 73.23997 |
| | Average Height (ft.): | 18.5 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 17.5 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 1 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 3,123.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.02-S1.01 -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.): | 2,518.3 147.8 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 775.9 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 751.2 304.4 |
| | Erosion Height (ft.): | 2.9 2.7 |
| | Revetment Type: | Multiple Multiple |
| | Revetment length | 466.6 1,448.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1155 3208 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 73.23997 |
| | Average Height (ft.): | 18.5 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 17.5 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 |
| | Road Ditch | 3 |
| | Field Ditch | 0 |
| | Tile Drain | 0 |
| | Other | 0 |
| | Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 3,123.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.01 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 767.1 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 428.8 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 341.6 | 809.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 203.8 | 149.7 |
| | Erosion Height (ft.): | 5.1 | 5.6 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 803.5 | 860.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 801 | 1156 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 1 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | 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: | With Windrowing |
| | Length (ft.): | 1,830.3 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.01 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|-----------------|-----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 767.1 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 428.8 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 341.6 | 809.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 203.8 | 149.7 |
| | Erosion Height (ft.): | 5.1 | 5.6 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length | 803.5 | 860.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 801 | 1156 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 3 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | 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: | With Windrowing |
| | Length (ft.): | 1,830.3 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.03 -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.): | 152.4 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 107.0 | 762.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 302.1 | 233.9 |
| | Erosion Height (ft.): | 3.4 | 3.1 |
| | Revetment Type: | Multiple | Rip-Rap |
| | Revetment length | 407.3 | 283.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 783 | 582 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 3 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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 |
| | Length (ft.): | 822.3 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.03 -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.): | 152.4 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 107.0 | 762.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 302.1 | 233.9 |
| | Erosion Height (ft.): | 3.4 | 3.1 |
| | Revetment Type: | Multiple | Rip-Rap |
| | Revetment length | 407.3 | 283.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 783 | 582 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 4 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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 |
| | Length (ft.): | 822.3 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **M02.04 -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.): | 2,454.7 | 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.): | 686.3 | 243.7 |
| | Erosion Height (ft.): | 1.9 | 6.2 |
| | Revetment Type: | Hard Bank | Multiple |
| | Revetment length | 32.9 | 78.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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: | None |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.02 -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.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 128.0 | 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.): | 40.4 | 40.3 |
| | Erosion Height (ft.): | 8.0 | 20.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | 72.49 | |
| | Average Height (ft.): | 20.0 | |
| | Mass Failures: | One | |
| | Average Heigh (ft.): | 20.0 | |
| | Gullies: | None | |
| | Number of Gullies | | |
| | Total Length of Gullies (ft.): | | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 18 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 11 |
| | 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 |
| | Length (ft.): | 0.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.03 -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.): | 697.5 163.2 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 0.0 48.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 1,107.5 353.6 |
| | Erosion Height (ft.): | 3.2 2.7 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 301.7 132.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 989 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 94.16 |
| | Average Height (ft.): | 9.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 9.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 11 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 13 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 2,662.2 |
| | Dredging: | Commercial Mining |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.04 -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.): | 322.3 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 107.0 284.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 65.5 309.7 |
| | Erosion Height (ft.): | 4.6 4.0 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 301.1 151.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 450 592 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 43.7 51.7 |
| | Average Height (ft.): | 12.0 10.2 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 10.7 |
| | Gullies: | Multiple |
| | Number of Gullies | 2 |
| | Total Length of Gullies (ft.): | 24.0 |
| | Average Height of Gullies | 2.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|---------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| Overland Flow | 1 Road Ditch | 0 |
| Field Ditch | 0 Tile Drain | 0 |
| Other | 0 Ub Strm Wtr Pipe | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 620.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.04 -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.): | 322.3 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 107.0 284.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 65.5 309.7 |
| | Erosion Height (ft.): | 4.6 4.0 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 301.1 151.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 450 592 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 43.7 51.7 |
| | Average Height (ft.): | 12.0 10.2 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 10.7 |
| | Gullies: | Multiple |
| | Number of Gullies | 2 |
| | Total Length of Gullies (ft.): | 24.0 |
| | Average Height of Gullies | 2.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 3 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 620.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.04 -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.): | 322.3 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 107.0 284.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 65.5 309.7 |
| | Erosion Height (ft.): | 4.6 4.0 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 301.1 151.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 450 592 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 43.7 51.7 |
| | Average Height (ft.): | 12.0 10.2 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 10.7 |
| | Gullies: | Multiple |
| | Number of Gullies | 2 |
| | Total Length of Gullies (ft.): | 24.0 |
| | Average Height of Gullies | 2.0 |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 0 |
| | Field Ditch 0 | Tile Drain 1 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 6 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 620.8 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R10.S3.05 -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 93.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 432.0 244.3 |
| | Erosion Height (ft.): | 24.9 8.0 |
| | Revetment Type: | Rip-Rap Multiple |
| | Revetment length | 29.9 64.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 83 80 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 288.62 |
| | Average Height (ft.): | 40.0 |
| | Mass Failures: | Multiple |
| | Average Heigh (ft.): | 40.0 |
| | Gullies: | None |
| | Number of Gullies | |
| | Total Length of Gullies (ft.): | |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow 0 | Road Ditch 4 |
| | Field Ditch 0 | Tile Drain 0 |
| | Other 0 | Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 5 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 174.1 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.05 -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.): | 101.2 | 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.): | 21.7 | 0.0 |
| | Erosion Height (ft.): | 4.0 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> | <u>Right</u> |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Mass Failures: | None | |
| | Average Heigh (ft.): | | |
| | Gullies: | None | |
| | Number of Gullies | 0 | |
| | Total Length of Gullies (ft.): | 0.0 | |
| | Average Height of Gullies | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 771.5 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R13.S1.02-S1.02-S1.01 -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.): | 69.4 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: | 270.9 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 633.2 478.7 |
| | Erosion Height (ft.): | 2.4 3.0 |
| | Revetment Type: | Rip-Rap Multiple |
| | Revetment length | 183.7 52.2 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 333 284 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 9 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Length (ft.): | 338.2 |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.03 -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.): | 440.9 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 119.7 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 344.6 128.4 |
| | Erosion Height (ft.): | 2.2 2.4 |
| | Revetment Type: | Rip-Rap None |
| | Revetment length | 53.0 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 614 263 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | |
| | Average Height (ft.): | |
| | Mass Failures: | None |
| | Average Heigh (ft.): | |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | Road Ditch |
| | Field Ditch | Tile Drain |
| | Other | Ub Strm Wtr Pipe |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Length (ft.): | 803.0 |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Winooski Mid, Alder to Montp

SGAT Version: 4.56

Reach: **R16.S2.03-S1.01 -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.): | 722.9 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 277.1 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 621.2 368.1 |
| | Erosion Height (ft.): | 2.8 2.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length | 576.8 80.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 1316 213 |
| 3.3 | <u>Riparian Corridor</u> | <u>Left</u> <u>Right</u> |
| | Mass Failures: | 66.75571 |
| | Average Height (ft.): | 8.0 |
| | Mass Failures: | One |
| | Average Heigh (ft.): | 8.0 |
| | Gullies: | None |
| | Number of Gullies | 0 |
| | Total Length of Gullies (ft.): | 0.0 |
| | Average Height of Gullies | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.5 | Flow Regulation Type: | None |
| | Use: | |
| 4.7 | Stormwater Inputs | |
| | Overland Flow | 0 Road Ditch 1 |
| | Field Ditch | 0 Tile Drain 0 |
| | Other | 0 Ub Strm Wtr Pipe 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length (ft.): | 0.0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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 |
| | Length (ft.): | 263.7 |
| | Dredging: | None |