



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: T02.11-s1.01 -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.): | 1,307.9 | 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.): | 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> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|---|
| 4.4 | Number of Debris Jams: | 1 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Dredging, Gravel Mining, Gravel Mining |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09-s1.04 -B**

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



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Castleton River

SGAT Version: 3

Reach: **T02.09-s1.04 -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.): | 526.8 | 250.6 |
| | Erosion Height (ft.): | 4.0 | 4.4 |
| | Revetment Type: | Rip-Rap | None |
| | Revetment length: | 21.5 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

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



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Castleton River

SGAT Version: 3

Reach: **T02.09-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.): | 1,402.1 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 86.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 147.0 | 57.7 |
| | Erosion Height (ft.): | 5.0 | 2.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 56.5 | 252.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 2 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



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Castleton River

SGAT Version: 3

Reach: **T02.11-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.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 32.9 | 26.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 20.8 |
| | Erosion Height (ft.): | 0.0 | 1.0 |
| | Revetment Type: | Hard Bank | Hard Bank |
| | Revetment length: | 14.6 | 15.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 6 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



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Castleton River

SGAT Version: 3

Reach: **T02.04 -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.): | 979.3 | 340.4 |
| | Railroad Lenth (ft.): | 2,582.2 | 0.0 |
| | Development Length: | 507.8 | 407.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 65.8 | 76.0 |
| | Erosion Height (ft.): | 5.0 | 4.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 805.7 | 266.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

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



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Castleton River

SGAT Version: 3

Reach: **T02.08-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.): | 44.6 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 479.5 | 0.0 |
| | Development Length: | 0.0 | 42.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 73.4 | 71.6 |
| | Erosion Height (ft.): | 1.0 | 3.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 16.9 | 92.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

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



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Castleton River

SGAT Version: 3

Reach: **T02.09 -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 | 373.7 |
| | Railroad Lenth (ft.): | 386.7 | 0.0 |
| | Development Length: | 1,140.1 | 309.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 945.8 | 880.7 |
| | Erosion Height (ft.): | 2.9 | 3.1 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 96.5 | 434.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 6 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 6 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 1 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



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Castleton River

SGAT Version: 3

Reach: **T02.09-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.): | 14.7 | 0.0 |
| | Railroad Lenth (ft.): | 1,605.8 | 0.0 |
| | Development Length: | 748.2 | 708.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 183.5 | 489.3 |
| | Erosion Height (ft.): | 5.0 | 4.3 |
| | Revetment Type: | Multiple | Hard Bank |
| | Revetment length: | 1,842.0 | 502.8 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

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



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Castleton River

SGAT Version: 3

Reach: **T02.08-s1.05 -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.): | 10.0 | 157.7 |
| | Erosion Height (ft.): | 2.0 | 2.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 1 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: T02.01 -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.): | 283.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 307.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 124.1 | 114.6 |
| | Erosion Height (ft.): | 8.0 | 16.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | Multiple | |
| | Average Height (ft.): | 15.5 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 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: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.06 -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.): | 475.4 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 212.6 | 101.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,972.3 | 1,047.0 |
| | Erosion Height (ft.): | 4.0 | 4.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 292.7 | 813.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 7 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length: | 550 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.01 -C**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------|--------------|-------------|-----------------------------|--------------|
| 1.2 | Alluvial Fan: | None | | 4.4 | Number of Debris Jams: | 2 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> | 4.7 | Stormwater Inputs | 2 |
| | Berm Length (ft.): | 0.0 | 0.0 | 4.9 | Beaver Dams: | 0 |
| | Path Length (ft.): | 0.0 | 0.0 | | Affected length: | 0 |
| | Road Length (ft.): | 0.0 | 0.0 | 5.2 | Migration Features | |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | | Flood Chutes: | 0 |
| | Development Length: | 283.4 | 0.0 | | Neck Cutoffs: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | | Channel Avulsions: | 0 |
| | Erosion Length (ft.): | 0.0 | 0.0 | | Braiding: | 0 |
| | Erosion Height (ft.): | 0.0 | 0.0 | 5.3 | Steep Riffles and Head Cuts | |
| | Revetment Type: | None | None | | Steep Riffles: | 0 |
| | Revetment length: | 0.0 | 0.0 | | Head Cuts: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | | 5.4 | Animal Crossings: | No |
| 3.3 | <u>Riparian Corridor</u> | | | 5.5 | Channel Alterations | |
| | Mass Failures: | None | | | Straightening: | None |
| | Average Height (ft.): | 0.0 | | | Dredging: | None |
| | Gullies: | None | | | | |
| | Average Height (ft.): | 0.0 | | | | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09-s1.05 -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 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 278.8 | 306.3 |
| | Erosion Height (ft.): | 1.8 | 1.7 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 81.9 | 37.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 1 |
| | Affected length: | 200 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.11-s1.04 -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: | 35.1 | 15.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 68.3 | 0.0 |
| | Erosion Height (ft.): | 4.7 | 0.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 26.8 | 17.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 5 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09-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.): | 1,322.1 0.0 |
| | Railroad Lenth (ft.): | 0.0 0.0 |
| | Development Length: | 53.7 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 496.6 684.4 |
| | Erosion Height (ft.): | 1.6 2.0 |
| | Revetment Type: | Rip-Rap None |
| | Revetment length: | 49.3 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 0 |
| 3.3 | <u>Riparian Corridor</u> | |
| | Mass Failures: | One |
| | Average Height (ft.): | 20.0 |
| | Gullies: | None |
| | Average Height (ft.): | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 10 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.11-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.): | 74.4 | 0.0 |
| | Road Length (ft.): | 56.7 | 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.): | 226.4 | 141.6 |
| | Erosion Height (ft.): | 2.8 | 3.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4 | Number of Debris Jams: | 7 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-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.): | 217.9 | 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 | 56.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 37.0 | 0.0 |
| | Erosion Height (ft.): | 2.0 | 0.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 28.1 | 82.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 7 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 5 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 3 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.02 -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.): | 985.7 | 0.0 |
| | Railroad Lenth (ft.): | 1,100.9 | 0.0 |
| | Development Length: | 1,126.4 | 95.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 189.5 | 340.4 |
| | Erosion Height (ft.): | 5.2 | 4.4 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 2,382.1 | 437.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | One | |
| | Average Height (ft.): | 12.0 | |
| | Gullies: | One | |
| | Average Height (ft.): | 12.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 6 |
| 4.7 | Stormwater Inputs | 5 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.12 -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.): | 4,023.4 | 683.6 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 2,897.9 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 51.5 | 461.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 59.2 | 197.1 |
| | Erosion Height (ft.): | 2.0 | 1.2 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 260.3 | 226.3 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 8 |
| 4.7 | Stormwater Inputs | 3 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09-s1.04 -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 | 626.1 |
| | 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.): | 254.4 | 336.6 |
| | Erosion Height (ft.): | 3.0 | 3.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|------------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | With Windrowing |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.03 -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.): | 517.4 | 1,013.6 |
| | Railroad Lenth (ft.): | 907.1 | 0.0 |
| | Development Length: | 242.2 | 1,717.5 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 0.0 |
| | Erosion Height (ft.): | 0.0 | 0.0 |
| | Revetment Type: | Multiple | Multiple |
| | Revetment length: | 1,012.9 | 1,063.6 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

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



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09 -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.): | 432.7 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 401.7 | 0.0 |
| | Railroad Lenth (ft.): | 792.1 | 0.0 |
| | Development Length: | 715.9 | 238.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 487.4 | 327.5 |
| | Erosion Height (ft.): | 5.7 | 4.2 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 1,231.5 | 749.4 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

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



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.11-s1.02 -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.): | 199.8 | 273.7 |
| | Path Length (ft.): | 410.4 | 0.0 |
| | Road Length (ft.): | 385.2 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 27.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 76.4 | 120.9 |
| | Erosion Height (ft.): | 4.0 | 3.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 27.9 | 28.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.05 -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.): | 3,461.4 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 2,121.7 | 1,849.7 |
| | Erosion Height (ft.): | 3.8 | 3.5 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 51.8 | 407.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | One | |
| | Average Height (ft.): | 25.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 15 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 1 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.11-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.): | 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 | 72.7 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 70.3 | 33.4 |
| | Erosion Height (ft.): | 2.0 | 2.5 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | Multiple | |
| | Average Height (ft.): | 6.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4 | Number of Debris Jams: | 7 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 4 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.07 -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> | | |
| | Mass Failures: | | |
| | Average Height (ft.): | | |
| | Gullies: | | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4 | Number of Debris Jams: | |
| 4.7 | Stormwater Inputs | |
| 4.9 | Beaver Dams: | |
| | Affected length: | |
| 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: | |
| | Dredging: | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08 -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.): | 1,324.6 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 923.5 | 57.5 |
| | Railroad Lenth (ft.): | 2,890.5 | 0.0 |
| | Development Length: | 54.9 | 223.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,235.0 | 1,611.2 |
| | Erosion Height (ft.): | 3.4 | 3.4 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 958.9 | 580.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.7 | Stormwater Inputs | |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 2 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08 -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.): | 1,324.6 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 923.5 | 57.5 |
| | Railroad Lenth (ft.): | 2,890.5 | 0.0 |
| | Development Length: | 54.9 | 223.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,235.0 | 1,611.2 |
| | Erosion Height (ft.): | 3.4 | 3.4 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 958.9 | 580.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.7 | Stormwater Inputs | |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 2 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08 -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.): | 1,324.6 0.0 |
| | Path Length (ft.): | 0.0 0.0 |
| | Road Length (ft.): | 923.5 57.5 |
| | Railroad Lenth (ft.): | 2,890.5 0.0 |
| | Development Length: | 54.9 223.9 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> |
| | Erosion Length (ft.): | 1,235.0 1,611.2 |
| | Erosion Height (ft.): | 3.4 3.4 |
| | Revetment Type: | Rip-Rap Rip-Rap |
| | Revetment length: | 958.9 580.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | |
| 3.3 | <u>Riparian Corridor</u> | |
| | Mass Failures: | None |
| | Average Height (ft.): | |
| | Gullies: | None |
| | Average Height (ft.): | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.7 | Stormwater Inputs | |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 8 |
| | Neck Cutoffs: | 2 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.02 -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: | 353.1 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 2,256.5 | 1,869.3 |
| | Erosion Height (ft.): | 9.9 | 21.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length: | 0.0 | 85.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | Multiple | |
| | Average Height (ft.): | 26.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

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



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.02 -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.): | 598.5 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 1,132.3 | 446.1 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 1,740.5 | 1,433.7 |
| | Erosion Height (ft.): | 23.3 | 33.6 |
| | Revetment Type: | Rip-Rap | Multiple |
| | Revetment length: | 352.5 | 823.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | Multiple | |
| | Average Height (ft.): | 36.1 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4 | Number of Debris Jams: | 4 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.04 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------------------|-------------|-----------------------------|--------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 2 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> | 4.7 | Stormwater Inputs | 0 |
| | Berm Length (ft.): | 0.0 0.0 | 4.9 | Beaver Dams: | 0 |
| | Path Length (ft.): | 0.0 0.0 | | Affected length: | 0 |
| | Road Length (ft.): | 0.0 0.0 | 5.2 | Migration Features | |
| | Railroad Lenth (ft.): | 0.0 0.0 | | Flood Chutes: | 0 |
| | Development Length: | 0.0 0.0 | | Neck Cutoffs: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> | | Channel Avulsions: | 0 |
| | Erosion Length (ft.): | 0.0 11.6 | | Braiding: | 0 |
| | Erosion Height (ft.): | 0.0 3.0 | 5.3 | Steep Riffles and Head Cuts | |
| | Revetment Type: | None None | | Steep Riffles: | 0 |
| | Revetment length: | 0.0 0.0 | | Head Cuts: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | 5.4 | Animal Crossings: | No |
| 3.3 | <u>Riparian Corridor</u> | | 5.5 | Channel Alterations | |
| | Mass Failures: | None | | Straightening: | None |
| | Average Height (ft.): | 0.0 | | Dredging: | None |
| | Gullies: | None | | | |
| | Average Height (ft.): | 0.0 | | | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.04 -C**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------|--------------|-------------|-----------------------------|--------------|
| 1.2 | Alluvial Fan: | None | | 4.4 | Number of Debris Jams: | 2 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> | 4.7 | Stormwater Inputs | 0 |
| | Berm Length (ft.): | 0.0 | 0.0 | 4.9 | Beaver Dams: | 0 |
| | Path Length (ft.): | 0.0 | 0.0 | | Affected length: | 0 |
| | Road Length (ft.): | 0.0 | 0.0 | 5.2 | Migration Features | |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | | Flood Chutes: | 0 |
| | Development Length: | 0.0 | 0.0 | | Neck Cutoffs: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | | Channel Avulsions: | 0 |
| | Erosion Length (ft.): | 0.0 | 0.0 | | Braiding: | 0 |
| | Erosion Height (ft.): | 0.0 | 0.0 | 5.3 | Steep Riffles and Head Cuts | |
| | Revetment Type: | None | None | | Steep Riffles: | 0 |
| | Revetment length: | 0.0 | 0.0 | | Head Cuts: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | | 5.4 | Animal Crossings: | Yes |
| 3.3 | <u>Riparian Corridor</u> | | | 5.5 | Channel Alterations | |
| | Mass Failures: | None | | | Straightening: | None |
| | Average Height (ft.): | 0.0 | | | Dredging: | None |
| | Gullies: | None | | | | |
| | Average Height (ft.): | 0.0 | | | | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.01 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|--------------|-------------|-----------------------------|--------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 5 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.7 | Stormwater Inputs | 1 |
| | Berm Length (ft.): | 0.0 | 4.9 | Beaver Dams: | 0 |
| | Path Length (ft.): | 0.0 | | Affected length: | 0 |
| | Road Length (ft.): | 0.0 | 5.2 | Migration Features | |
| | Railroad Lenth (ft.): | 0.0 | | Flood Chutes: | 1 |
| | Development Length: | 375.9 | | Neck Cutoffs: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Channel Avulsions: | 0 |
| | Erosion Length (ft.): | 136.1 | | Braiding: | 0 |
| | Erosion Height (ft.): | 1.0 | 5.3 | Steep Riffles and Head Cuts | |
| | Revetment Type: | None | | Steep Riffles: | 1 |
| | Revetment length: | 0.0 | | Head Cuts: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | 5.4 | Animal Crossings: | No |
| 3.3 | <u>Riparian Corridor</u> | | 5.5 | Channel Alterations | |
| | Mass Failures: | None | | Straightening: | None |
| | Average Height (ft.): | 0.0 | | Dredging: | None |
| | Gullies: | None | | | |
| | Average Height (ft.): | 0.0 | | | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.01 -E**

| <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.): | 168.0 | 0.0 |
| | Development Length: | 57.0 | 63.3 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 302.8 | 23.8 |
| | Erosion Height (ft.): | 4.1 | 3.6 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 38.5 | 38.7 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 8 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 3 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 1 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 1 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09-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: | 90.9 | 23.4 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 0.0 |
| | Erosion Height (ft.): | 0.0 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

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



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-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.): | 156.3 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 432.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 111.4 | 94.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 0.0 |
| | Erosion Height (ft.): | 0.0 | 0.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 49.5 | 225.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 1 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Dredging |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

| Reach: T02.08-s1.05 -A | | | | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------------------------|--------------------------------|--------------|--------------|-------------|-----------------------------|--------------|
| <u>Step</u> | <u>Description</u> | <u>Value</u> | | | | |
| 1.2 | Alluvial Fan: | None | | 4.4 | Number of Debris Jams: | 3 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> | 4.7 | Stormwater Inputs | 0 |
| | Berm Length (ft.): | 0.0 | 0.0 | 4.9 | Beaver Dams: | 0 |
| | Path Length (ft.): | 0.0 | 0.0 | | Affected length: | 0 |
| | Road Length (ft.): | 0.0 | 0.0 | 5.2 | Migration Features | |
| | Railroad Lenth (ft.): | 0.0 | 0.0 | | Flood Chutes: | 2 |
| | Development Length: | 0.0 | 0.0 | | Neck Cutoffs: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> | | Channel Avulsions: | 0 |
| | Erosion Length (ft.): | 0.0 | 49.3 | | Braiding: | 0 |
| | Erosion Height (ft.): | 0.0 | 4.0 | 5.3 | Steep Riffles and Head Cuts | |
| | Revetment Type: | None | None | | Steep Riffles: | 0 |
| | Revetment length: | 0.0 | 0.0 | | Head Cuts: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | | 5.4 | Animal Crossings: | Yes |
| 3.3 | <u>Riparian Corridor</u> | | | 5.5 | Channel Alterations | |
| | Mass Failures: | None | | | Straightening: | None |
| | Average Height (ft.): | 0.0 | | | Dredging: | None |
| | Gullies: | None | | | | |
| | Average Height (ft.): | 0.0 | | | | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.05 -C**

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



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.11 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 1,429.4 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 640.5 | 519.0 |
| | Railroad Lenth (ft.): | 993.7 | 0.0 |
| | Development Length: | 170.5 | 85.6 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 218.1 | 0.0 |
| | Erosion Height (ft.): | 3.0 | 0.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 1,372.1 | 1,366.9 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | One | |
| | Average Height (ft.): | 15.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 2 |
| | Affected length: | 500 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Gravel Mining |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.11 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|----------------|----------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 5,534.5 | 304.4 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 341.1 | 0.0 |
| | Railroad Lenth (ft.): | 1,752.7 | 0.0 |
| | Development Length: | 0.0 | 258.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 226.2 | 548.8 |
| | Erosion Height (ft.): | 2.0 | 2.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 639.4 | 432.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 12 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 6 |
| | Neck Cutoffs: | 2 |
| | Channel Avulsions: | 1 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Gravel Mining |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.11-s1.04 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | Yes | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 558.3 | 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.): | 24.2 | 68.6 |
| | Erosion Height (ft.): | 3.0 | 1.5 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 6 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 2 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-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.): | 110.5 | 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 | 14.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 0.0 |
| | Erosion Height (ft.): | 0.0 | 0.0 |
| | Revetment Type: | Rip-Rap | None |
| | Revetment length: | 142.1 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

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



Stream Geomorphic Assessment

Agency of Natural Resources



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Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.05 -B**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|----------------|-------------|-----------------------------|----------------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 2 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | 4.7 | Stormwater Inputs | 1 |
| | Berm Length (ft.): | 70.3 | 4.9 | Beaver Dams: | 0 |
| | Path Length (ft.): | 0.0 | | Affected length: | 0 |
| | Road Length (ft.): | 327.8 | 5.2 | Migration Features | |
| | Railroad Lenth (ft.): | 0.0 | | Flood Chutes: | 6 |
| | Development Length: | 0.0 | | Neck Cutoffs: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | | Channel Avulsions: | 0 |
| | Erosion Length (ft.): | 89.6 | | Braiding: | 0 |
| | Erosion Height (ft.): | 2.0 | 5.3 | Steep Riffles and Head Cuts | |
| | Revetment Type: | Rip-Rap | | Steep Riffles: | 0 |
| | Revetment length: | 242.9 | | Head Cuts: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | 5.4 | Animal Crossings: | Yes |
| 3.3 | <u>Riparian Corridor</u> | | 5.5 | Channel Alterations | |
| | Mass Failures: | None | | Straightening: | Straightening |
| | Average Height (ft.): | 0.0 | | Dredging: | None |
| | Gullies: | None | | | |
| | Average Height (ft.): | 0.0 | | | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.05 -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 | 67.1 |
| | Erosion Height (ft.): | 0.0 | 2.1 |
| | Revetment Type: | None | Multiple |
| | Revetment length: | 0.0 | 47.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | Multiple | |
| | Average Height (ft.): | 10.7 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4 | Number of Debris Jams: | 3 |
| 4.7 | Stormwater Inputs | 5 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09-s1.04 -A**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|--------------------------------|---------------------------|-------------|-----------------------------|--------------|
| 1.2 | Alluvial Fan: | None | 4.4 | Number of Debris Jams: | 3 |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> <u>Both</u> | 4.7 | Stormwater Inputs | 0 |
| | Berm Length (ft.): | 0.0 0.0 | 4.9 | Beaver Dams: | 0 |
| | Path Length (ft.): | 0.0 0.0 | | Affected length: | 0 |
| | Road Length (ft.): | 0.0 0.0 | 5.2 | Migration Features | |
| | Railroad Lenth (ft.): | 0.0 0.0 | | Flood Chutes: | 0 |
| | Development Length: | 0.0 0.0 | | Neck Cutoffs: | 0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> <u>Right</u> | | Channel Avulsions: | 0 |
| | Erosion Length (ft.): | 200.0 180.0 | | Braiding: | 2 |
| | Erosion Height (ft.): | 2.0 2.0 | 5.3 | Steep Riffles and Head Cuts | |
| | Revetment Type: | None None | | Steep Riffles: | 0 |
| | Revetment length: | 0.0 0.0 | | Head Cuts: | 0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | 5.4 | Animal Crossings: | Yes |
| 3.3 | <u>Riparian Corridor</u> | | 5.5 | Channel Alterations | |
| | Mass Failures: | None | | Straightening: | None |
| | Average Height (ft.): | | | Dredging: | None |
| | Gullies: | None | | | |
| | Average Height (ft.): | | | | |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.10 -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.): | 140.2 | 500.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 354.7 | 184.2 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 723.6 | 250.7 |
| | Erosion Height (ft.): | 2.0 | 2.0 |
| | Revetment Type: | Rip-Rap | Rip-Rap |
| | Revetment length: | 401.7 | 216.5 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | One | |
| | Average Height (ft.): | 10.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 7 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 2 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.09-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.): | 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.): | 330.2 | 94.6 |
| | Erosion Height (ft.): | 1.2 | 2.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | 0 | 0 |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | | |
| | Gullies: | None | |
| | Average Height (ft.): | | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|--------------|
| 4.4 | Number of Debris Jams: | 5 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | Yes |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Dredging: | None |



Phase 2 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: **T02.08-s1.05 -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.): | 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 | 122.0 |
| | Erosion Height (ft.): | 0.0 | 3.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | None | |
| | Average Height (ft.): | 0.0 | |
| | Gullies: | None | |
| | Average Height (ft.): | 0.0 | |

| <u>Step</u> | <u>Description</u> | <u>Value</u> |
|-------------|-----------------------------|----------------------|
| 4.4 | Number of Debris Jams: | 0 |
| 4.7 | Stormwater Inputs | 1 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | Dredging |