



Phase 2 - FIT - Legacy Data Report

Sucker Brook

SGAT Version: 4.53

Reach: M02 -0

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



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Reach: M10 -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: | |



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Reach: **M06 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 130.7 |
| | Erosion Height (ft.): | 0.0 | 1.0 |
| | 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 | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



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Reach: **M08 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 0.0 |
| | Erosion Height (ft.): | 0.0 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | One | |
| | Average Height (ft.): | 20.0 | |
| | 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: | 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: | None |
| | Dredging: | None |



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Reach: M09 -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: | |



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Reach: **M07 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 0.0 |
| | Erosion Height (ft.): | 0.0 | 0.0 |
| | Revetment Type: | None | None |
| | Revetment length: | 0.0 | 0.0 |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 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: | 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: | Straightening |
| | Dredging: | None |



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Reach: M03 -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.): | 335.5 | 56.8 |
| | Erosion Height (ft.): | 3.3 | 5.0 |
| | 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 | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | None |
| | Dredging: | None |



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Reach: **M05 -0**

| <u>Step</u> | <u>Description</u> | <u>Value</u> | |
|-------------|--------------------------------|--------------|--------------|
| 1.2 | Alluvial Fan: | None | |
| 1.3 | <u>Encroachments - Side</u> | <u>One</u> | <u>Both</u> |
| | Berm Length (ft.): | 0.0 | 0.0 |
| | Path Length (ft.): | 0.0 | 0.0 |
| | Road Length (ft.): | 0.0 | 0.0 |
| | Railroad Lenth (ft.): | 0.0 | 0.0 |
| | Development Length: | 0.0 | 0.0 |
| 3.1 | <u>Erosion - Bank</u> | <u>Left</u> | <u>Right</u> |
| | Erosion Length (ft.): | 0.0 | 81.5 |
| | Erosion Height (ft.): | 0.0 | 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: | 0 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 0 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



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Reach: **M04 -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.): | 82.0 | 91.7 |
| | Erosion Height (ft.): | 3.4 | 4.0 |
| | Revetment Type: | None | Rip-Rap |
| | Revetment length: | 0.0 | 33.0 |
| 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 | 0 |
| 4.9 | Beaver Dams: | 7 |
| | Affected length: | 700 |
| 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 |



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Reach: **M04 -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.): | 136.9 | 122.1 |
| | Erosion Height (ft.): | 1.5 | 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: | 2 |
| 4.7 | Stormwater Inputs | 0 |
| 4.9 | Beaver Dams: | 0 |
| | Affected length: | 0 |
| 5.2 | Migration Features | |
| | Flood Chutes: | 1 |
| | Neck Cutoffs: | 0 |
| | Channel Avulsions: | 0 |
| | Braiding: | 0 |
| 5.3 | Steep Riffles and Head Cuts | |
| | Steep Riffles: | 0 |
| | Head Cuts: | 0 |
| 5.4 | Animal Crossings: | No |
| 5.5 | Channel Alterations | |
| | Straightening: | Straightening |
| | Dredging: | None |



Stream Geomorphic Assessment

Agency of Natural Resources



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Sucker Brook

SGAT Version: **4.53**

Reach: **M01 -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.): | | |
| | 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: | None | None |
| | Revetment length: | | |
| 3.2 | <u>Buffer Less Than 25 ft.</u> | | |
| 3.3 | <u>Riparian Corridor</u> | | |
| | Mass Failures: | Not Evaluated | |
| | Average Height (ft.): | | |
| | Gullies: | Not Evaluated | |
| | 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: | |