



# Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov  
April, 08 2026

## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.09 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>56.5</b> <b>0.0</b>
	Path Length (ft.):	<b>543.3</b> <b>0.0</b>
	Road Length (ft.):	<b>2,101.8</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>1,067.4</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>252.8</b> <b>170.8</b>
	Erosion Height (ft.):	<b>3.8</b> <b>4.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>832.4</b> <b>1,186.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1096</b> <b>3325</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>5</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>1</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>952.0</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.11 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>47.7</b> <b>176.9</b>
	Path Length (ft.):	<b>224.1</b> <b>0.0</b>
	Road Length (ft.):	<b>355.9</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>380.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>78.6</b> <b>211.0</b>
	Erosion Height (ft.):	<b>3.0</b> <b>3.4</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Multiple</b>
	Revetment length	<b>171.2</b> <b>169.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>387</b> <b>383</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>1</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>375.5</b>
	Dredging:	<b>Dredging</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.11 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>47.7</b> <b>176.9</b>
	Path Length (ft.):	<b>224.1</b> <b>0.0</b>
	Road Length (ft.):	<b>355.9</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>380.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>78.6</b> <b>211.0</b>
	Erosion Height (ft.):	<b>3.0</b> <b>3.4</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Multiple</b>
	Revetment length	<b>171.2</b> <b>169.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>387</b> <b>383</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>1</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>375.5</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M19 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>1,261.1</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>106.9</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>318.6</b>	<b>527.2</b>
	Erosion Height (ft.):	<b>5.0</b>	<b>5.0</b>
	Revetment Type:	<b>None</b>	<b>None</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>120</b>	<b>220</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>1</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,408.0</b>
	Dredging:	<b>Dredging</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M35 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>1,657.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>1,009.3</b> <b>81.2</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>115.8</b> <b>0.0</b>
	Erosion Height (ft.):	<b>2.0</b> <b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>145.4</b> <b>1,009.8</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1112</b> <b>1639</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>3</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>1</b>
	Affected length (ft.):	<b>1.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.09 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>466.9</b> <b>101.3</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>284.1</b> <b>65.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>734.4</b> <b>532.2</b>
	Erosion Height (ft.):	<b>4.1</b> <b>3.4</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>66.1</b> <b>65.7</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1347</b> <b>1536</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>1</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>1</b>
	Affected length (ft.):	<b>150.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>3</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>1</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,158.3</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.07 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>3</b>
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>None</b>
	Berm Length (ft.):	<b>184.3</b>		Use:	
	Path Length (ft.):	<b>428.9</b>	4.7	Stormwater Inputs	
	Road Length (ft.):	<b>877.3</b>		Overland Flow	Road Ditch
	Railroad Lenth (ft.):	<b>0.0</b>		Field Ditch	Tile Drain
	Development Length:	<b>0.0</b>		Other	Ub Strm Wtr Pipe
3.1	<u>Erosion - Bank</u>	<u>Left</u>	4.9	Beaver Dams:	<b>2</b>
	Erosion Length (ft.):	<b>794.5</b>		Affected length (ft.):	<b>300.0</b>
	Erosion Height (ft.):	<b>3.0</b>	5.2	Migration Features	
	Revetment Type:	<b>Rip-Rap</b>		Flood Chutes:	<b>2</b>
	Revetment length	<b>172.6</b>		Neck Cutoffs:	<b>0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2956</b>		Channel Avulsions:	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>		Braiding:	<b>1</b>
	Mass Failures:		5.3	Steep Riffles and Head Cuts	
	Average Height (ft.):			Steep Riffles:	<b>0</b>
	Mass Failures:	<b>None</b>		Head Cuts:	<b>0</b>
	Average Heigh (ft.):		5.4	Animal Crossings:	<b>Yes</b>
	Gullies:	<b>None</b>	5.5	Channel Alterations	
	Number of Gullies	<b>0</b>		Straightening:	<b>Straightening</b>
	Total Length of Gullies (ft.):	<b>0.0</b>		Length (ft.):	<b>627.4</b>
	Average Height of Gullies			Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M46 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>1,098.9</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>76.1</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>None</b>	<b>None</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>	<b>1058</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,855.7</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M37 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>0</b>
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>None</b>
		<u>Both</u>		Use:	
	Berm Length (ft.):	<b>0.0</b>	4.7	Stormwater Inputs	
	Path Length (ft.):	<b>0.0</b>		Overland Flow	Road Ditch
	Road Length (ft.):	<b>0.0</b>		Field Ditch	Tile Drain
	Railroad Lenth (ft.):	<b>0.0</b>		Other	Ub Strm Wtr Pipe
	Development Length:	<b>382.8</b>	4.9	Beaver Dams:	<b>0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	<b>0.0</b>
	Erosion Length (ft.):	<b>0.0</b>	5.2	Migration Features	
	Erosion Height (ft.):	<b>0.0</b>		Flood Chutes:	<b>0</b>
	Revetment Type:	<b>None</b>		Neck Cutoffs:	<b>0</b>
	Revetment length	<b>0.0</b>		Channel Avulsions:	<b>0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>91</b>		Braiding:	<b>0</b>
		<b>594</b>	5.3	Steep Riffles and Head Cuts	
3.3	<u>Riparian Corridor</u>	<u>Left</u>		Steep Riffles:	<b>0</b>
	Mass Failures:			Head Cuts:	<b>0</b>
	Average Height (ft.):		5.4	Animal Crossings:	<b>No</b>
	Mass Failures:	<b>None</b>	5.5	Channel Alterations	
	Average Heigh (ft.):			Straightening:	<b>Straightening</b>
	Gullies:	<b>None</b>		Length (ft.):	<b>1,079.0</b>
	Number of Gullies	<b>0</b>		Dredging:	<b>None</b>
	Total Length of Gullies (ft.):	<b>0.0</b>			
	Average Height of Gullies				



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.08 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>64.8</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>223.8</b>	<b>195.9</b>
	Erosion Height (ft.):	<b>2.0</b>	<b>2.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>None</b>
	Revetment length	<b>26.7</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>55</b>	<b>289</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:	<b>25.51</b>	
	Average Height (ft.):	<b>8.0</b>	
	Mass Failures:	<b>One</b>	
	Average Heigh (ft.):	<b>8.0</b>	
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>1</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>1</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>357.5</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M44 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>841.2</b> <b>193.3</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>361.9</b> <b>208.7</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>165.6</b> <b>296.1</b>
	Erosion Height (ft.):	<b>3.4</b> <b>4.1</b>
	Revetment Type:	<b>Hard Bank</b> <b>Multiple</b>
	Revetment length	<b>80.1</b> <b>126.2</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>394</b> <b>548</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>9.534551</b> <b>420.9677</b>
	Average Height (ft.):	<b>15.0</b> <b>30.0</b>
	Mass Failures:	<b>Multiple</b>
	Average Heigh (ft.):	<b>22.5</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>With Windrowing</b>
	Length (ft.):	<b>472.3</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>411.3</b>
	Path Length (ft.):	<b>0.0</b> <b>69.4</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>188.3</b> <b>30.3</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>69.6</b> <b>103.5</b>
	Erosion Height (ft.):	<b>2.0</b> <b>2.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>80.3</b> <b>481.7</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>56</b> <b>418</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
Overland Flow	<b>1</b> Road Ditch	<b>0</b>
Field Ditch	<b>0</b> Tile Drain	<b>0</b>
Other	<b>0</b> Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>623.3</b>
	Dredging:	<b>Gravel Mining</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.04 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>48.5</b>	<b>74.3</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>160.1</b>	<b>42.3</b>
	Erosion Height (ft.):	<b>2.0</b>	<b>2.0</b>
	Revetment Type:	<b>None</b>	<b>None</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>56</b>	<b>185</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>6</b>
4.5	Flow Regulation Type:	<b>Small Withdrawal</b>
	Use:	<b>Other</b>
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>3</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>512.2</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M33 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>		
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>0</b>		
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.5	Flow Regulation Type:	<b>None</b>	
	Berm Length (ft.):	<b>765.4</b>	<b>0.0</b>		Use:		
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>	4.7	Stormwater Inputs		
	Road Length (ft.):	<b>1,630.5</b>	<b>2,333.2</b>	Overland Flow	<b>0</b>	Road Ditch	<b>0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>	Field Ditch	<b>0</b>	Tile Drain	<b>0</b>
	Development Length:	<b>1,639.9</b>	<b>2,134.8</b>	Other	<b>1</b>	Ub Strm Wtr Pipe	<b>0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>	4.9	Beaver Dams:	<b>0</b>	
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>		Affected length (ft.):	<b>0.0</b>	
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>	5.2	Migration Features		
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>	Flood Chutes:	<b>1</b>		
	Revetment length	<b>3,247.5</b>	<b>2,566.2</b>	Neck Cutoffs:	<b>0</b>		
3.2	<u>Buffer Less Than 25 ft.</u>	<b>3508</b>	<b>3685</b>	Channel Avulsions:	<b>0</b>		
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>	Braiding:	<b>0</b>		
	Mass Failures:			5.3	Steep Riffles and Head Cuts		
	Average Height (ft.):			Steep Riffles:	<b>3</b>		
	Mass Failures:	<b>None</b>		Head Cuts:	<b>0</b>		
	Average Heigh (ft.):			5.4	Animal Crossings:	<b>No</b>	
	Gullies:	<b>None</b>		5.5	Channel Alterations		
	Number of Gullies	<b>0</b>		Straightening:	<b>Straightening</b>		
	Total Length of Gullies (ft.):	<b>0.0</b>		Length (ft.):	<b>4,001.9</b>		
	Average Height of Gullies			Dredging:	<b>Dredging</b>		



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M31 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>1,391.8</b>	<b>172.9</b>
	Railroad Lenth (ft.):	<b>2,990.5</b>	<b>0.0</b>
	Development Length:	<b>1,643.6</b>	<b>1,072.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>159.3</b>	<b>620.4</b>
	Erosion Height (ft.):	<b>4.0</b>	<b>7.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>610.8</b>	<b>497.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1183</b>	<b>1660</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b>
	Road Ditch	<b>0</b>
	Field Ditch	<b>0</b>
	Tile Drain	<b>0</b>
	Other	<b>1</b>
	Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>2</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,879.1</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M31 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>1,391.8</b>	<b>172.9</b>
	Railroad Lenth (ft.):	<b>2,990.5</b>	<b>0.0</b>
	Development Length:	<b>1,643.6</b>	<b>1,072.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>159.3</b>	<b>620.4</b>
	Erosion Height (ft.):	<b>4.0</b>	<b>7.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>610.8</b>	<b>497.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1183</b>	<b>1660</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b>
	Road Ditch	<b>2</b>
	Field Ditch	<b>0</b>
	Tile Drain	<b>0</b>
	Other	<b>0</b>
	Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>2</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,879.1</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M32 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>1</b>
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>None</b>
	Berm Length (ft.):	<b>300.5</b>		Use:	
	Path Length (ft.):	<b>0.0</b>	4.7	Stormwater Inputs	
	Road Length (ft.):	<b>1,790.6</b>		Overland Flow	Road Ditch
	Railroad Lenth (ft.):	<b>1,839.1</b>		Field Ditch	Tile Drain
	Development Length:	<b>432.7</b>		Other	Ub Strm Wtr Pipe
3.1	<u>Erosion - Bank</u>	<u>Left</u>	4.9	Beaver Dams:	<b>1</b>
	Erosion Length (ft.):	<b>98.7</b>		Affected length (ft.):	<b>550.0</b>
	Erosion Height (ft.):	<b>3.0</b>	5.2	Migration Features	
	Revetment Type:	<b>Other</b>		Flood Chutes:	<b>2</b>
	Revetment length	<b>24.7</b>		Neck Cutoffs:	<b>0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2134</b>		Channel Avulsions:	<b>0</b>
	Mass Failures:	<b>None</b>		Braiding:	<b>0</b>
	Average Height (ft.):		5.3	Steep Riffles and Head Cuts	
	Mass Failures:	<b>None</b>		Steep Riffles:	<b>0</b>
	Average Heigh (ft.):			Head Cuts:	<b>0</b>
	Gullies:	<b>None</b>	5.4	Animal Crossings:	<b>No</b>
	Number of Gullies	<b>0</b>	5.5	Channel Alterations	
	Total Length of Gullies (ft.):	<b>0.0</b>		Straightening:	<b>Straightening</b>
	Average Height of Gullies			Length (ft.):	<b>2,626.3</b>
				Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M36 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>1,187.9</b> <b>0.0</b>
	Road Length (ft.):	<b>245.5</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>1,122.4</b> <b>43.7</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>117.8</b> <b>125.2</b>
	Erosion Height (ft.):	<b>2.0</b> <b>2.0</b>
	Revetment Type:	<b>None</b> <b>None</b>
	Revetment length	<b>0.0</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1128</b> <b>21</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>Small Withdrawal</b>
	Use:	<b>Other</b>
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,162.0</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.03 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>750.5</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>468.0</b> <b>732.7</b>
	Erosion Height (ft.):	<b>3.7</b> <b>3.9</b>
	Revetment Type:	<b>Rip-Rap</b> <b>None</b>
	Revetment length	<b>25.6</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b> <b>708</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>59.13</b>
	Average Height (ft.):	<b>80.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>80.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>3</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>1</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,635.0</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M40T5.01 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>14.9</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>71.6</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>145.9</b>	<b>338.2</b>
	Erosion Height (ft.):	<b>3.0</b>	<b>5.8</b>
	Revetment Type:	<b>Other</b>	<b>None</b>
	Revetment length	<b>140.8</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>73</b>	<b>1173</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

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



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.07 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>945.6</b> <b>224.3</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>969.9</b> <b>965.5</b>
	Erosion Height (ft.):	<b>2.8</b> <b>3.0</b>
	Revetment Type:	<b>Multiple</b> <b>Rip-Rap</b>
	Revetment length	<b>556.2</b> <b>324.1</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2384</b> <b>2348</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>2</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>4</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>1</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,414.8</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M15T1.06 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>531.1</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>54.8</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>1,204.4</b>	<b>1,350.5</b>
	Erosion Height (ft.):	<b>7.3</b>	<b>7.2</b>
	Revetment Type:	<b>None</b>	<b>Rip-Rap</b>
	Revetment length	<b>0.0</b>	<b>115.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2685</b>	<b>1371</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>1</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>3</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,244.4</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>Yes</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>62.1</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>285.3</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>208.3</b>	<b>161.3</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>142.8</b>	<b>268.0</b>
	Erosion Height (ft.):	<b>5.0</b>	<b>3.2</b>
	Revetment Type:	<b>Multiple</b>	<b>Multiple</b>
	Revetment length	<b>235.5</b>	<b>277.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>448</b>	<b>639</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>1</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>559.7</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M15T1.05 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>425.2</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>182.2</b>	<b>110.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>1,741.4</b>	<b>2,051.5</b>
	Erosion Height (ft.):	<b>7.4</b>	<b>7.5</b>
	Revetment Type:	<b>Multiple</b>	<b>Multiple</b>
	Revetment length	<b>135.4</b>	<b>256.2</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>4065</b>	<b>3226</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>3</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>1</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,729.9</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.02S1.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>47.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>148.2</b> <b>61.6</b>
	Erosion Height (ft.):	<b>2.0</b> <b>2.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>None</b>
	Revetment length	<b>54.6</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>64</b> <b>153</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>50.5</b>
	Average Height (ft.):	<b>9.5</b>
	Mass Failures:	<b>Multiple</b>
	Average Heigh (ft.):	<b>9.5</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>2</b>
4.5	Flow Regulation Type:	<b>Small Bypass</b>
	Use:	<b>Other</b>
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>2</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>2</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>446.6</b>
	Dredging:	<b>Gravel Mining</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: M41T6.03 -0

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>268.9</b> <b>173.5</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>90.2</b> <b>134.3</b>
	Erosion Height (ft.):	<b>2.0</b> <b>2.0</b>
	Revetment Type:	<b>None</b> <b>None</b>
	Revetment length	<b>0.0</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>127</b> <b>150</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

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



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M15T1.03 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>1,384.1</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>None</b>	<b>None</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>	<b>306</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>587.9</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M47 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>195.5</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>4,926.2</b> <b>724.7</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>2,582.2</b> <b>402.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>747.9</b> <b>243.3</b>
	Erosion Height (ft.):	<b>3.0</b> <b>3.9</b>
	Revetment Type:	<b>Multiple</b> <b>Multiple</b>
	Revetment length	<b>2,439.0</b> <b>2,480.1</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2791</b> <b>1197</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>1</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>3</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>With Windrowing</b>
	Length (ft.):	<b>5,674.2</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.11 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>151.2</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>275.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>None</b>
	Revetment length	<b>61.7</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>388</b>	<b>215</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

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



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M27 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>0</b>
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>None</b>
		<u>Both</u>		Use:	
	Berm Length (ft.):	<b>0.0</b>	4.7	Stormwater Inputs	
	Path Length (ft.):	<b>0.0</b>		Overland Flow	Road Ditch
	Road Length (ft.):	<b>0.0</b>		Field Ditch	Tile Drain
	Railroad Lenth (ft.):	<b>0.0</b>		Other	Ub Strm Wtr Pipe
	Development Length:	<b>439.0</b>	4.9	Beaver Dams:	<b>0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	<b>0.0</b>
	Erosion Length (ft.):	<b>55.1</b>	5.2	Migration Features	
	Erosion Height (ft.):	<b>4.0</b>		Flood Chutes:	<b>3</b>
	Revetment Type:	<b>None</b>		Neck Cutoffs:	<b>0</b>
	Revetment length	<b>0.0</b>		Channel Avulsions:	<b>1</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>982</b>		Braiding:	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts	
	Mass Failures:			Steep Riffles:	<b>0</b>
	Average Height (ft.):			Head Cuts:	<b>0</b>
	Mass Failures:	<b>None</b>	5.4	Animal Crossings:	<b>No</b>
	Average Heigh (ft.):		5.5	Channel Alterations	
	Gullies:	<b>None</b>		Straightening:	<b>Straightening</b>
	Number of Gullies	<b>0</b>		Length (ft.):	<b>2,689.7</b>
	Total Length of Gullies (ft.):	<b>0.0</b>		Dredging:	<b>Dredging</b>
	Average Height of Gullies				



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M46 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>		4.4	Number of Debris Jams:	<b>0</b>
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.5	Flow Regulation Type:	<b>None</b>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>		Use:	
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>	4.7	Stormwater Inputs	
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>		Overland Flow	Road Ditch
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>		Field Ditch	Tile Drain
	Development Length:	<b>0.0</b>	<b>0.0</b>		Other	Ub Strm Wtr Pipe
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>	4.9	Beaver Dams:	<b>1</b>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>		Affected length (ft.):	<b>1,115.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>	5.2	Migration Features	
	Revetment Type:	<b>None</b>	<b>None</b>		Flood Chutes:	<b>0</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>		Neck Cutoffs:	<b>0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>	<b>511</b>		Channel Avulsions:	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>		Braiding:	<b>0</b>
	Mass Failures:			5.3	Steep Riffles and Head Cuts	
	Average Height (ft.):				Steep Riffles:	<b>0</b>
	Mass Failures:	<b>None</b>			Head Cuts:	<b>0</b>
	Average Heigh (ft.):			5.4	Animal Crossings:	<b>No</b>
	Gullies:	<b>None</b>		5.5	Channel Alterations	
	Number of Gullies	<b>0</b>			Straightening:	<b>None</b>
	Total Length of Gullies (ft.):	<b>0.0</b>			Length (ft.):	<b>0.0</b>
	Average Height of Gullies				Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.04 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>45.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>259.9</b> <b>48.5</b>
	Erosion Height (ft.):	<b>2.4</b> <b>4.0</b>
	Revetment Type:	<b>Other</b> <b>Other</b>
	Revetment length	<b>39.5</b> <b>36.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b> <b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>61.47</b>
	Average Height (ft.):	<b>6.5</b>
	Mass Failures:	<b>Multiple</b>
	Average Heigh (ft.):	<b>6.5</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>15</b>
4.5	Flow Regulation Type:	<b>Small Bypass</b>
	Use:	<b>Other</b>
4.7	Stormwater Inputs	
	Overland Flow <b>1</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>7</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M36 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>96.4</b>	<b>0.0</b>
	Road Length (ft.):	<b>1,183.8</b>	<b>644.1</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>417.8</b>	<b>196.3</b>
	Erosion Height (ft.):	<b>2.9</b>	<b>2.7</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>674.6</b>	<b>282.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1588</b>	<b>150</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,457.2</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M41T6.06 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>10.6</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>46.8</b> <b>42.9</b>
	Erosion Height (ft.):	<b>2.0</b> <b>2.5</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>18.0</b> <b>15.7</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>50</b> <b>150</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

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



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.10 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>430.2</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>60.0</b>	<b>48.1</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>186.1</b>	<b>92.0</b>
	Erosion Height (ft.):	<b>2.0</b>	<b>4.2</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>207.8</b>	<b>94.7</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>140</b>	<b>105</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

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



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.08 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>476.7</b>	<b>117.7</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>120.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>134.3</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>3.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>167.3</b>	<b>195.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>925</b>	<b>1366</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>3</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,021.6</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M46 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>1,004.1</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>180.9</b>	<b>49.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>91.5</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>2.3</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>52.6</b>	<b>287.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>4</b>
	Affected length (ft.):	<b>4,610.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>403.1</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.06 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>37.9</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>568.4</b>	<b>418.7</b>
	Erosion Height (ft.):	<b>4.6</b>	<b>3.9</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>1,193.6</b>	<b>1,448.8</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>5354</b>	<b>5409</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>3</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>1</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>4</b>
	Affected length (ft.):	<b>1,304.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>3</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,318.7</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M19 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>1,205.8</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>260.2</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>938.0</b> <b>291.0</b>
	Erosion Height (ft.):	<b>6.9</b> <b>5.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>None</b>
	Revetment length	<b>316.0</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2056</b> <b>2198</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>149.05</b>
	Average Height (ft.):	<b>13.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>13.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>4</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>2</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>4,185.3</b>
	Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.10 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>290.1</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>9.5</b>	<b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>None</b>
	Revetment length	<b>21.9</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>709</b>	<b>242</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

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



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.04 -D**

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

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



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.08 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>190.0</b>
	Path Length (ft.):	<b>722.3</b> <b>0.0</b>
	Road Length (ft.):	<b>712.5</b> <b>417.9</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>436.7</b> <b>97.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>225.6</b> <b>54.9</b>
	Erosion Height (ft.):	<b>2.6</b> <b>3.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>361.4</b> <b>450.5</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1546</b> <b>2183</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>1</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,141.5</b>
	Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M34 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>1</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>Small Withdrawal</b>	
	Berm Length (ft.):	<b>1,229.6</b>		Use:	<b>Recreation</b>	
	Path Length (ft.):	<b>0.0</b>	4.7	Stormwater Inputs		
	Road Length (ft.):	<b>715.3</b>	Overland Flow	<b>1</b>	Road Ditch	<b>0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	Field Ditch	<b>0</b>	Tile Drain	<b>0</b>
	Development Length:	<b>1,931.9</b>	Other	<b>0</b>	Ub Strm Wtr Pipe	<b>0</b>
		<b>0.0</b>	4.9	Beaver Dams:	<b>1</b>	
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	<b>150.0</b>	
	Erosion Length (ft.):	<b>478.2</b>	5.2	Migration Features		
	Erosion Height (ft.):	<b>3.0</b>		Flood Chutes:	<b>2</b>	
	Revetment Type:	<b>None</b>		Neck Cutoffs:	<b>0</b>	
	Revetment length	<b>0.0</b>		Channel Avulsions:	<b>0</b>	
3.2	<u>Buffer Less Than 25 ft.</u>	<b>835</b>		Braiding:	<b>0</b>	
		<b>778</b>	5.3	Steep Riffles and Head Cuts		
3.3	<u>Riparian Corridor</u>	<u>Left</u>		Steep Riffles:	<b>0</b>	
	Mass Failures:			Head Cuts:	<b>0</b>	
	Average Height (ft.):		5.4	Animal Crossings:	<b>No</b>	
	Mass Failures:	<b>None</b>	5.5	Channel Alterations		
	Average Heigh (ft.):			Straightening:	<b>With Windrowing</b>	
	Gullies:	<b>Multiple</b>		Length (ft.):	<b>2,114.1</b>	
	Number of Gullies	<b>2</b>		Dredging:	<b>Gravel Mining</b>	
	Total Length of Gullies (ft.):	<b>140.0</b>				
	Average Height of Gullies	<b>4.0</b>				



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M34 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>		
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>1</b>		
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.5	Flow Regulation Type:	<b>Small Withdrawal Recreation</b>	
	Berm Length (ft.):	<b>1,229.6</b>	<b>0.0</b>	Use:	<b>Recreation</b>		
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>	4.7	Stormwater Inputs		
	Road Length (ft.):	<b>715.3</b>	<b>1,366.9</b>	Overland Flow	<b>0</b>	Road Ditch	<b>1</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>	Field Ditch	<b>0</b>	Tile Drain	<b>0</b>
	Development Length:	<b>1,931.9</b>	<b>0.0</b>	Other	<b>0</b>	Ub Strm Wtr Pipe	<b>0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>	4.9	Beaver Dams:	<b>1</b>	
	Erosion Length (ft.):	<b>478.2</b>	<b>492.1</b>	Affected length (ft.):	<b>150.0</b>		
	Erosion Height (ft.):	<b>3.0</b>	<b>4.9</b>	5.2	Migration Features		
	Revetment Type:	<b>None</b>	<b>Multiple</b>	Flood Chutes:	<b>2</b>		
	Revetment length	<b>0.0</b>	<b>595.1</b>	Neck Cutoffs:	<b>0</b>		
3.2	<u>Buffer Less Than 25 ft.</u>	<b>835</b>	<b>778</b>	Channel Avulsions:	<b>0</b>		
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>	Braiding:	<b>0</b>		
	Mass Failures:			5.3	Steep Riffles and Head Cuts		
	Average Height (ft.):			Steep Riffles:	<b>0</b>		
	Mass Failures:	<b>None</b>		Head Cuts:	<b>0</b>		
	Average Heigh (ft.):			5.4	Animal Crossings:	<b>No</b>	
	Gullies:	<b>Multiple</b>		5.5	Channel Alterations		
	Number of Gullies	<b>2</b>		Straightening:	<b>With Windrowing</b>		
	Total Length of Gullies (ft.):	<b>140.0</b>		Length (ft.):	<b>2,114.1</b>		
	Average Height of Gullies	<b>4.0</b>		Dredging:	<b>Gravel Mining</b>		



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.03S1.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>58.0</b>	<b>26.2</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>None</b>	<b>Rip-Rap</b>
	Revetment length	<b>0.0</b>	<b>131.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

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



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.04 -E**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>54.9</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>Other</b>	<b>Other</b>
	Revetment length	<b>37.9</b>	<b>41.2</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>66</b>	<b>66</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>7</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>2</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.10 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>105.7</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>856.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>147.6</b>	<b>52.6</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>168.8</b>	<b>34.8</b>
	Erosion Height (ft.):	<b>2.9</b>	<b>2.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>161.8</b>	<b>66.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>357</b>	<b>731</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>1</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>842.1</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.10 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>105.7</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>856.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>147.6</b>	<b>52.6</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>168.8</b>	<b>34.8</b>
	Erosion Height (ft.):	<b>2.9</b>	<b>2.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>161.8</b>	<b>66.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>357</b>	<b>731</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>1</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>842.1</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.10 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>105.7</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>856.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>147.6</b>	<b>52.6</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>168.8</b>	<b>34.8</b>
	Erosion Height (ft.):	<b>2.9</b>	<b>2.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>161.8</b>	<b>66.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>357</b>	<b>731</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>1</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>842.1</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M41T6.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>1,879.7</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>40.6</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>3.0</b>
	Revetment Type:	<b>None</b>	<b>Rip-Rap</b>
	Revetment length	<b>0.0</b>	<b>53.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1484</b>	<b>383</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

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



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.02S1.02 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>15.9</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>207.9</b> <b>65.4</b>
	Erosion Height (ft.):	<b>2.9</b> <b>2.0</b>
	Revetment Type:	<b>None</b> <b>None</b>
	Revetment length	<b>0.0</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b> <b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>30.49</b>
	Average Height (ft.):	<b>9.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>9.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

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



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M46 -D**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>0</b>
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>None</b>
	Berm Length (ft.):	<b>0.0</b>		Use:	
	Path Length (ft.):	<b>0.0</b>	4.7	Stormwater Inputs	
	Road Length (ft.):	<b>961.7</b>		Overland Flow	Road Ditch
	Railroad Lenth (ft.):	<b>0.0</b>		Field Ditch	Tile Drain
	Development Length:	<b>75.8</b>		Other	Ub Strm Wtr Pipe
3.1	<u>Erosion - Bank</u>	<u>Left</u>	4.9	Beaver Dams:	<b>0</b>
	Erosion Length (ft.):	<b>0.0</b>		Affected length (ft.):	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	5.2	Migration Features	
	Revetment Type:	<b>Rip-Rap</b>		Flood Chutes:	<b>0</b>
	Revetment length	<b>188.1</b>		Neck Cutoffs:	<b>0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>		Channel Avulsions:	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>		Braiding:	<b>0</b>
	Mass Failures:		5.3	Steep Riffles and Head Cuts	
	Average Height (ft.):			Steep Riffles:	<b>0</b>
	Mass Failures:	<b>None</b>		Head Cuts:	<b>0</b>
	Average Heigh (ft.):		5.4	Animal Crossings:	<b>No</b>
	Gullies:	<b>None</b>	5.5	Channel Alterations	
	Number of Gullies	<b>0</b>		Straightening:	<b>With Windrowing</b>
	Total Length of Gullies (ft.):	<b>0.0</b>		Length (ft.):	<b>1,044.9</b>
	Average Height of Gullies			Dredging:	<b>Gravel Mining</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.02S1.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>80.2</b> <b>42.8</b>
	Erosion Height (ft.):	<b>3.0</b> <b>3.0</b>
	Revetment Type:	<b>None</b> <b>None</b>
	Revetment length	<b>0.0</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>4</b> <b>63</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>22.8</b> <b>47.63</b>
	Average Height (ft.):	<b>6.0</b> <b>9.0</b>
	Mass Failures:	<b>Multiple</b>
	Average Heigh (ft.):	<b>7.5</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>1</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>1</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>16.5</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M40 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>495.8</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>567.9</b>	<b>460.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>724.2</b>	<b>56.8</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>57.5</b>	<b>124.2</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>321</b>	<b>991</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,036.1</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M15T1.10 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>116.6</b>	<b>1,980.4</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>219.3</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>30.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>494.7</b>	<b>382.9</b>
	Erosion Height (ft.):	<b>4.0</b>	<b>4.1</b>
	Revetment Type:	<b>None</b>	<b>Multiple</b>
	Revetment length	<b>0.0</b>	<b>408.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2334</b>	<b>2337</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>1</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>1</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>With Windrowing</b>
	Length (ft.):	<b>2,269.7</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M15T1.10 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>116.6</b>	<b>1,980.4</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>219.3</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>30.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>494.7</b>	<b>382.9</b>
	Erosion Height (ft.):	<b>4.0</b>	<b>4.1</b>
	Revetment Type:	<b>None</b>	<b>Multiple</b>
	Revetment length	<b>0.0</b>	<b>408.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2334</b>	<b>2337</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>1</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b>
	Road Ditch	<b>0</b>
	Field Ditch	<b>0</b>
	Tile Drain	<b>1</b>
	Other	<b>0</b>
	Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>With Windrowing</b>
	Length (ft.):	<b>2,269.7</b>
	Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M33 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>303.9</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>543.1</b>	<b>3,093.5</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>947.8</b>	<b>2,810.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>228.6</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>5.0</b>	<b>0.0</b>
	Revetment Type:	<b>Multiple</b>	<b>Multiple</b>
	Revetment length	<b>2,657.1</b>	<b>2,695.5</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2848</b>	<b>3775</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b>
	Road Ditch	<b>0</b>
	Field Ditch	<b>0</b>
	Tile Drain	<b>0</b>
	Other	<b>3</b>
	Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>1</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,706.6</b>
	Dredging:	<b>Dredging, Gravel Mining</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M33 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>303.9</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>543.1</b> <b>3,093.5</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>947.8</b> <b>2,810.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>228.6</b> <b>0.0</b>
	Erosion Height (ft.):	<b>5.0</b> <b>0.0</b>
	Revetment Type:	<b>Multiple</b> <b>Multiple</b>
	Revetment length	<b>2,657.1</b> <b>2,695.5</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2848</b> <b>3775</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>3</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>1</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,706.6</b>
	Dredging:	<b>Dredging, Gravel Mining</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M33 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>303.9</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>543.1</b> <b>3,093.5</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>947.8</b> <b>2,810.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>228.6</b> <b>0.0</b>
	Erosion Height (ft.):	<b>5.0</b> <b>0.0</b>
	Revetment Type:	<b>Multiple</b> <b>Multiple</b>
	Revetment length	<b>2,657.1</b> <b>2,695.5</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2848</b> <b>3775</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>0</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>4</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>1</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,706.6</b>
	Dredging:	<b>Dredging, Gravel Mining</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M30 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>		
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>1</b>		
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.5	Flow Regulation Type:	<b>Small Withdrawal</b>	
	Berm Length (ft.):	<b>124.0</b>	<b>0.0</b>	Use:	<b>Other</b>		
	Path Length (ft.):	<b>459.3</b>	<b>0.0</b>	4.7	Stormwater Inputs		
	Road Length (ft.):	<b>4,368.5</b>	<b>0.0</b>	Overland Flow	<b>0</b>	Road Ditch	<b>1</b>
	Railroad Lenth (ft.):	<b>2,725.8</b>	<b>0.0</b>	Field Ditch	<b>0</b>	Tile Drain	<b>0</b>
	Development Length:	<b>2,327.3</b>	<b>310.3</b>	Other	<b>0</b>	Ub Strm Wtr Pipe	<b>0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>	4.9	Beaver Dams:	<b>0</b>	
	Erosion Length (ft.):	<b>1,396.1</b>	<b>823.7</b>	Affected length (ft.):	<b>0.0</b>		
	Erosion Height (ft.):	<b>5.6</b>	<b>4.2</b>	5.2	Migration Features		
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>	Flood Chutes:	<b>2</b>		
	Revetment length	<b>1,241.9</b>	<b>507.7</b>	Neck Cutoffs:	<b>0</b>		
3.2	<u>Buffer Less Than 25 ft.</u>	<b>5573</b>	<b>3873</b>	Channel Avulsions:	<b>0</b>		
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>	Braiding:	<b>0</b>		
	Mass Failures:	<b>170.56</b>	<b>95.96001</b>	5.3	Steep Riffles and Head Cuts		
	Average Height (ft.):	<b>16.0</b>	<b>15.0</b>	Steep Riffles:	<b>1</b>		
	Mass Failures:	<b>Multiple</b>		Head Cuts:	<b>0</b>		
	Average Heigh (ft.):	<b>15.3</b>		5.4	Animal Crossings:	<b>No</b>	
	Gullies:	<b>None</b>		5.5	Channel Alterations		
	Number of Gullies	<b>0</b>		Straightening:	<b>Straightening</b>		
	Total Length of Gullies (ft.):	<b>0.0</b>		Length (ft.):	<b>6,159.3</b>		
	Average Height of Gullies			Dredging:	<b>Dredging</b>		



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M36T4.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>1,009.0</b> <b>1,043.9</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>1,858.0</b> <b>279.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>505.7</b> <b>130.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>62.5</b> <b>349.7</b>
	Erosion Height (ft.):	<b>4.0</b> <b>3.5</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>402.7</b> <b>986.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1195</b> <b>2277</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>86.51</b>
	Average Height (ft.):	<b>12.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>12.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>1</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>1</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,572.2</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M36T4.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>1,009.0</b> <b>1,043.9</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>1,858.0</b> <b>279.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>505.7</b> <b>130.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>62.5</b> <b>349.7</b>
	Erosion Height (ft.):	<b>4.0</b> <b>3.5</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>402.7</b> <b>986.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1195</b> <b>2277</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>86.51</b>
	Average Height (ft.):	<b>12.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>12.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>0</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>1</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>1</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,572.2</b>
	Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.06 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>1,590.8</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>259.7</b>	<b>55.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>52.7</b>	<b>104.6</b>
	Erosion Height (ft.):	<b>2.0</b>	<b>3.0</b>
	Revetment Type:	<b>Hard Bank</b>	<b>Hard Bank</b>
	Revetment length	<b>29.4</b>	<b>27.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1412</b>	<b>2050</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>1</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>1</b>
	Affected length (ft.):	<b>120.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>1</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,106.4</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M37 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>1,436.9</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>664.7</b> <b>150.5</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>766.2</b> <b>81.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>351.5</b> <b>115.2</b>
	Erosion Height (ft.):	<b>2.6</b> <b>3.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>37.0</b> <b>81.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>770</b> <b>1382</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>7</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,714.0</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.03 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>162.2</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>7,184.7</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>59.9</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>18.2</b> <b>122.4</b>
	Erosion Height (ft.):	<b>3.0</b> <b>4.3</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Multiple</b>
	Revetment length	<b>1,478.9</b> <b>492.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>7278</b> <b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>34.6</b>
	Average Height (ft.):	<b>15.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>15.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>2</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>2</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>6</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>3</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>167.3</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.03 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>162.2</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>7,184.7</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>59.9</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>18.2</b> <b>122.4</b>
	Erosion Height (ft.):	<b>3.0</b> <b>4.3</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Multiple</b>
	Revetment length	<b>1,478.9</b> <b>492.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>7278</b> <b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>34.6</b>
	Average Height (ft.):	<b>15.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>15.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>2</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>18</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>6</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>3</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>167.3</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M40T5.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>199.3</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>81.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>96.2</b> <b>177.2</b>
	Erosion Height (ft.):	<b>3.0</b> <b>3.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>52.2</b> <b>55.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>154</b> <b>152</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>282.4</b>
	Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M32 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>2,202.6</b> <b>3,116.4</b>
	Railroad Lenth (ft.):	<b>4,237.1</b> <b>0.0</b>
	Development Length:	<b>1,116.4</b> <b>2,318.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>229.1</b> <b>1,100.3</b>
	Erosion Height (ft.):	<b>5.0</b> <b>7.7</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>1,028.9</b> <b>1,414.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>5043</b> <b>3974</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b>
	Road Ditch	<b>2</b>
	Field Ditch	<b>0</b>
	Tile Drain	<b>0</b>
	Other	<b>0</b>
	Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>1</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>5,385.3</b>
	Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

Agency of Natural Resources



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M44 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>140.9</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>1,551.9</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>466.9</b>	<b>212.6</b>
	Erosion Height (ft.):	<b>2.8</b>	<b>4.5</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>22.4</b>	<b>158.7</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>809</b>	<b>754</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
Overland Flow	<b>1</b> Road Ditch	<b>0</b>
Field Ditch	<b>0</b> Tile Drain	<b>0</b>
Other	<b>0</b> Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>1</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>3</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>160.9</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M45 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>491.1</b> <b>163.1</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>129.5</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>0.0</b> <b>209.8</b>
	Erosion Height (ft.):	<b>0.0</b> <b>8.9</b>
	Revetment Type:	<b>Multiple</b> <b>Rip-Rap</b>
	Revetment length	<b>552.7</b> <b>110.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>488</b> <b>544</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>47.60465</b>
	Average Height (ft.):	<b>15.0</b>
	Mass Failures:	<b>One</b>
	Average Heigh (ft.):	<b>15.0</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>150.1</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.03 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>687.3</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>1,212.7</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>50.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>0.0</b> <b>101.6</b>
	Erosion Height (ft.):	<b>0.0</b> <b>4.0</b>
	Revetment Type:	<b>None</b> <b>Rip-Rap</b>
	Revetment length	<b>0.0</b> <b>47.8</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1414</b> <b>209</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>2</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>1</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>3</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>With Windrowing</b>
	Length (ft.):	<b>1,327.8</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M40T5.01 -D**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>234.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>769.7</b> <b>506.8</b>
	Erosion Height (ft.):	<b>3.3</b> <b>2.7</b>
	Revetment Type:	<b>Rip-Rap</b> <b>None</b>
	Revetment length	<b>46.6</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b> <b>381</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>1</b>
4.5	Flow Regulation Type:	<b>Small Bypass</b>
	Use:	<b>Other</b>
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>3</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>1</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>888.3</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M32 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>567.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>859.5</b>	<b>0.0</b>
	Development Length:	<b>452.2</b>	<b>692.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>292.5</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>6.0</b>	<b>0.0</b>
	Revetment Type:	<b>Multiple</b>	<b>Rip-Rap</b>
	Revetment length	<b>423.0</b>	<b>182.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>3589</b>	<b>907</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>3,827.2</b>
	Dredging:	<b>Dredging</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M41T6.05 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>1,301.8</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>64.9</b>	<b>108.7</b>
	Erosion Height (ft.):	<b>3.0</b>	<b>2.4</b>
	Revetment Type:	<b>None</b>	<b>None</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>874</b>	<b>135</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>4</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>4</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>5</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>2</b>
	Braiding:	<b>1</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.05 -B**

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

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



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M45 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>0</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>None</b>	
		<u>Both</u>		Use:		
	Berm Length (ft.):	<b>0.0</b>	4.7	Stormwater Inputs		
	Path Length (ft.):	<b>0.0</b>	Overland Flow	<b>0</b>	Road Ditch	<b>1</b>
	Road Length (ft.):	<b>1,036.4</b>	Field Ditch	<b>0</b>	Tile Drain	<b>0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	Other	<b>0</b>	Ub Strm Wtr Pipe	<b>0</b>
	Development Length:	<b>214.8</b>	4.9	Beaver Dams:	<b>0</b>	
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	<b>0.0</b>	
	Erosion Length (ft.):	<b>364.2</b>	5.2	Migration Features		
	Erosion Height (ft.):	<b>2.0</b>	Flood Chutes:	<b>2</b>		
	Revetment Type:	<b>Rip-Rap</b>	Neck Cutoffs:	<b>0</b>		
	Revetment length	<b>85.0</b>	Channel Avulsions:	<b>0</b>		
3.2	<u>Buffer Less Than 25 ft.</u>	<b>296</b>	Braiding:	<b>0</b>		
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts		
	Mass Failures:		Steep Riffles:	<b>0</b>		
	Average Height (ft.):		Head Cuts:	<b>0</b>		
	Mass Failures:	<b>None</b>	5.4	Animal Crossings:	<b>No</b>	
	Average Heigh (ft.):		5.5	Channel Alterations		
	Gullies:	<b>None</b>	Straightening:	<b>Straightening</b>		
	Number of Gullies	<b>0</b>	Length (ft.):	<b>89.6</b>		
	Total Length of Gullies (ft.):	<b>0.0</b>	Dredging:	<b>None</b>		
	Average Height of Gullies					



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M47T7.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>219.8</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>153.9</b> <b>218.6</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>24.4</b> <b>0.0</b>
	Erosion Height (ft.):	<b>6.0</b> <b>0.0</b>
	Revetment Type:	<b>Multiple</b> <b>Multiple</b>
	Revetment length	<b>350.7</b> <b>246.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>277</b> <b>744</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>2</b>
	Braiding:	<b>1</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>With Windrowing</b>
	Length (ft.):	<b>711.2</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M26T2.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>60.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>914.2</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>490.4</b> <b>89.5</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>78.5</b> <b>0.0</b>
	Erosion Height (ft.):	<b>5.0</b> <b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>330.0</b> <b>304.3</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1096</b> <b>757</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>1</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,100.7</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M15T1.11 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>198.7</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>312.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>59.5</b> <b>137.8</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>0.0</b> <b>0.9</b>
	Erosion Height (ft.):	<b>0.0</b> <b>4.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>312.0</b> <b>310.9</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>311</b> <b>247</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	<b>0</b> Road Ditch <b>1</b>
	Field Ditch	<b>0</b> Tile Drain <b>0</b>
	Other	<b>0</b> Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>295.3</b>
	Dredging:	<b>None</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M15T1.06 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>1,530.1</b>	<b>1,507.9</b>
	Erosion Height (ft.):	<b>7.0</b>	<b>7.1</b>
	Revetment Type:	<b>Rip-Rap</b>	<b>Rip-Rap</b>
	Revetment length	<b>199.5</b>	<b>189.6</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1389</b>	<b>3692</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>3</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>0</b>
	Field Ditch <b>1</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>1</b>
	Affected length (ft.):	<b>800.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>2,910.8</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>3,426.6</b> <b>419.7</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>70.1</b> <b>185.6</b>
	Erosion Height (ft.):	<b>2.0</b> <b>3.0</b>
	Revetment Type:	<b>None</b> <b>Rip-Rap</b>
	Revetment length	<b>0.0</b> <b>33.7</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2041</b> <b>1972</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>5</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>11</b>	Road Ditch <b>0</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>7</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>3</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>Gravel Mining</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>3,426.6</b> <b>419.7</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>70.1</b> <b>185.6</b>
	Erosion Height (ft.):	<b>2.0</b> <b>3.0</b>
	Revetment Type:	<b>None</b> <b>Rip-Rap</b>
	Revetment length	<b>0.0</b> <b>33.7</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>2041</b> <b>1972</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>5</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>1</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>7</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>3</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>Gravel Mining</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M40T5.04 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>0</b>
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.5	Flow Regulation Type:	<b>None</b>
		<u>Both</u>		Use:	
	Berm Length (ft.):	<b>0.0</b>	4.7	Stormwater Inputs	
	Path Length (ft.):	<b>0.0</b>		Overland Flow	Road Ditch
	Road Length (ft.):	<b>0.0</b>		Field Ditch	Tile Drain
	Railroad Lenth (ft.):	<b>0.0</b>		Other	Ub Strm Wtr Pipe
	Development Length:	<b>0.0</b>	4.9	Beaver Dams:	<b>0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Affected length (ft.):	<b>0.0</b>
	Erosion Length (ft.):	<b>0.0</b>	5.2	Migration Features	
	Erosion Height (ft.):	<b>0.0</b>		Flood Chutes:	<b>0</b>
	Revetment Type:	<b>None</b>		Neck Cutoffs:	<b>0</b>
	Revetment length	<b>0.0</b>		Channel Avulsions:	<b>0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>		Braiding:	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	5.3	Steep Riffles and Head Cuts	
	Mass Failures:			Steep Riffles:	<b>0</b>
	Average Height (ft.):			Head Cuts:	<b>0</b>
	Mass Failures:	<b>None</b>	5.4	Animal Crossings:	<b>No</b>
	Average Heigh (ft.):		5.5	Channel Alterations	
	Gullies:	<b>None</b>		Straightening:	<b>Straightening</b>
	Number of Gullies	<b>0</b>		Length (ft.):	<b>40.9</b>
	Total Length of Gullies (ft.):	<b>0.0</b>		Dredging:	<b>None</b>
	Average Height of Gullies				



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>511.9</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>298.8</b>	<b>60.8</b>
	Erosion Height (ft.):	<b>2.0</b>	<b>2.0</b>
	Revetment Type:	<b>None</b>	<b>None</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b>	<b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

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



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M41T6.02S1.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>1,465.1</b>	<b>0.0</b>
	Road Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>368.5</b>	<b>793.7</b>
	Erosion Height (ft.):	<b>2.5</b>	<b>3.2</b>
	Revetment Type:	<b>None</b>	<b>None</b>
	Revetment length	<b>0.0</b>	<b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1210</b>	<b>166</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:	<b>216.3</b>	<b>92.16</b>
	Average Height (ft.):	<b>17.3</b>	<b>16.8</b>
	Mass Failures:	<b>Multiple</b>	
	Average Heigh (ft.):	<b>18.0</b>	
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>4</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
Overland Flow	<b>1</b> Road Ditch	<b>0</b>
Field Ditch	<b>0</b> Tile Drain	<b>0</b>
Other	<b>0</b> Ub Strm Wtr Pipe	<b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>7</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>1</b>
5.4	Animal Crossings:	<b>Yes</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>Gravel Mining</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>Yes</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>574.8</b> <b>219.3</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>442.6</b> <b>200.3</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>399.6</b> <b>409.8</b>
	Erosion Height (ft.):	<b>3.6</b> <b>3.2</b>
	Revetment Type:	<b>None</b> <b>Rip-Rap</b>
	Revetment length	<b>0.0</b> <b>55.2</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b> <b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>3</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>957.2</b>
	Dredging:	<b>Gravel Mining</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M40T5.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>370.2</b> <b>72.8</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>593.1</b> <b>48.4</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>17.4</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>0.0</b> <b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b> <b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>287.1</b> <b>393.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>33</b> <b>503</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>With Windrowing</b>
	Length (ft.):	<b>753.2</b>
	Dredging:	<b>Dredging</b>



Phase 2 - FIT - Legacy Data Report

Black River

SGAT Version: 4.56

Reach: **M41T6.02S1.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>0.0</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>0.0</b> <b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>1,033.8</b> <b>847.8</b>
	Erosion Height (ft.):	<b>4.7</b> <b>4.3</b>
	Revetment Type:	<b>None</b> <b>None</b>
	Revetment length	<b>0.0</b> <b>0.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>0</b> <b>0</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>364.3</b> <b>264.98</b>
	Average Height (ft.):	<b>13.4</b> <b>15.0</b>
	Mass Failures:	<b>Multiple</b>
	Average Heigh (ft.):	<b>13.9</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>3</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>9</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>2</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>2</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>Gravel Mining</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.06 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Road Length (ft.):	<b>970.9</b>	<b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>
	Development Length:	<b>0.0</b>	<b>0.0</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>
	Revetment Type:	<b>None</b>	<b>Rip-Rap</b>
	Revetment length	<b>0.0</b>	<b>83.0</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1273</b>	<b>1268</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	<b>None</b>	
	Average Heigh (ft.):		
	Gullies:	<b>None</b>	
	Number of Gullies	<b>0</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>	
	Average Height of Gullies		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>3</b>
	Affected length (ft.):	<b>925.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>0</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>None</b>
	Length (ft.):	<b>0.0</b>
	Dredging:	<b>None</b>



# Stream Geomorphic Assessment

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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26T2.05 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>0.0</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>356.3</b> <b>0.0</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>566.7</b> <b>114.2</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>548.2</b> <b>305.7</b>
	Erosion Height (ft.):	<b>2.5</b> <b>3.2</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>389.7</b> <b>293.4</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>380</b> <b>1160</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	<b>114.38</b> <b>75.4</b>
	Average Height (ft.):	<b>3.9</b> <b>20.0</b>
	Mass Failures:	<b>Multiple</b>
	Average Heigh (ft.):	<b>13.5</b>
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow <b>0</b>	Road Ditch <b>2</b>
	Field Ditch <b>0</b>	Tile Drain <b>0</b>
	Other <b>0</b>	Ub Strm Wtr Pipe <b>0</b>
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>6</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>4</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,701.5</b>
	Dredging:	<b>None</b>



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M26 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	<b>None</b>	4.4	Number of Debris Jams:	<b>0</b>	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.5	Flow Regulation Type:	<b>None</b>
	Berm Length (ft.):	<b>598.5</b>	<b>0.0</b>		Use:	
	Path Length (ft.):	<b>0.0</b>	<b>0.0</b>	4.7	Stormwater Inputs	
	Road Length (ft.):	<b>1,733.5</b>	<b>0.0</b>	Overland Flow	Road Ditch	
	Railroad Lenth (ft.):	<b>0.0</b>	<b>0.0</b>	Field Ditch	Tile Drain	
	Development Length:	<b>125.8</b>	<b>0.0</b>	Other	Ub Strm Wtr Pipe	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>	4.9	Beaver Dams:	<b>0</b>
	Erosion Length (ft.):	<b>0.0</b>	<b>0.0</b>	Affected length (ft.):	<b>0.0</b>	
	Erosion Height (ft.):	<b>0.0</b>	<b>0.0</b>	5.2	Migration Features	
	Revetment Type:	<b>Rip-Rap</b>	<b>None</b>	Flood Chutes:	<b>0</b>	
	Revetment length	<b>181.4</b>	<b>0.0</b>	Neck Cutoffs:	<b>0</b>	
3.2	<u>Buffer Less Than 25 ft.</u>	<b>1730</b>	<b>0</b>	Channel Avulsions:	<b>0</b>	
3.3	<u>Riparian Corridor</u>	<u>Left</u>	<u>Right</u>	Braiding:	<b>0</b>	
	Mass Failures:			5.3	Steep Riffles and Head Cuts	
	Average Height (ft.):			Steep Riffles:	<b>0</b>	
	Mass Failures:	<b>None</b>		Head Cuts:	<b>0</b>	
	Average Heigh (ft.):			5.4	Animal Crossings:	<b>No</b>
	Gullies:	<b>None</b>		5.5	Channel Alterations	
	Number of Gullies	<b>0</b>		Straightening:	<b>Straightening</b>	
	Total Length of Gullies (ft.):	<b>0.0</b>		Length (ft.):	<b>1,698.9</b>	
	Average Height of Gullies			Dredging:	<b>Dredging</b>	



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## Phase 2 - FIT - Legacy Data Report

## Black River

SGAT Version: **4.56**

Reach: **M40T5.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	<b>None</b>
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	<b>112.2</b> <b>0.0</b>
	Path Length (ft.):	<b>0.0</b> <b>0.0</b>
	Road Length (ft.):	<b>1,031.1</b> <b>165.1</b>
	Railroad Lenth (ft.):	<b>0.0</b> <b>0.0</b>
	Development Length:	<b>53.6</b> <b>155.3</b>
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	<b>108.1</b> <b>0.0</b>
	Erosion Height (ft.):	<b>4.3</b> <b>0.0</b>
	Revetment Type:	<b>Rip-Rap</b> <b>Rip-Rap</b>
	Revetment length	<b>46.4</b> <b>265.8</b>
3.2	<u>Buffer Less Than 25 ft.</u>	<b>539</b> <b>504</b>
3.3	<u>Riparian Corridor</u>	<u>Left</u> <u>Right</u>
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	<b>None</b>
	Average Heigh (ft.):	
	Gullies:	<b>None</b>
	Number of Gullies	<b>0</b>
	Total Length of Gullies (ft.):	<b>0.0</b>
	Average Height of Gullies	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	<b>0</b>
4.5	Flow Regulation Type:	<b>None</b>
	Use:	
4.7	Stormwater Inputs	
	Overland Flow	Road Ditch
	Field Ditch	Tile Drain
	Other	Ub Strm Wtr Pipe
4.9	Beaver Dams:	<b>0</b>
	Affected length (ft.):	<b>0.0</b>
5.2	Migration Features	
	Flood Chutes:	<b>1</b>
	Neck Cutoffs:	<b>0</b>
	Channel Avulsions:	<b>0</b>
	Braiding:	<b>0</b>
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	<b>0</b>
	Head Cuts:	<b>0</b>
5.4	Animal Crossings:	<b>No</b>
5.5	Channel Alterations	
	Straightening:	<b>Straightening</b>
	Length (ft.):	<b>1,209.9</b>
	Dredging:	<b>None</b>