



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
April, 08 2026

Phase 2 - FIT - Legacy Data Report

West River

SGAT Version: **4.53**

Reach: **T8.06 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	204.3	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,619.4	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	93.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	222.8	112.9
	Erosion Height (ft.):	6.2	5.5
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	52.7	330.8
3.2	<u>Buffer Less Than 25 ft.</u>	1026	1188
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	1
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	2
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	4
	Head Cuts:	1
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	Dredging



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Phase 2 - FIT - Legacy Data Report

West River

SGAT Version: **4.53**

Reach: **T11.S4.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	945.4	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	791.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	214.1	437.7
	Erosion Height (ft.):	1.8	1.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	106.5	167.1
3.2	<u>Buffer Less Than 25 ft.</u>	151	712
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T8.01 -D**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,523.7	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	492.8	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	552.2	546.4
	Erosion Height (ft.):	4.4	5.4
	Revetment Type:	Hard Bank	Multiple
	Revetment length:	20.7	614.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	614
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	20.0	
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **T11.07 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,823.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	103.5	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	112.5	544.8
	Erosion Height (ft.):	2.5	8.2
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	475.3	32.8
3.2	<u>Buffer Less Than 25 ft.</u>	1372	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.03 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	2,754.1	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,480.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	997.6	0.0
	Erosion Height (ft.):	5.5	0.0
	Revetment Type:	Multiple	Multiple
	Revetment length:	520.9	1,032.4
3.2	<u>Buffer Less Than 25 ft.</u>	0	1579
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	18.5	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	6
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	Dredging



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SGAT Version: **4.53**

Reach: **R10 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0		4.9	Beaver Dams:	0
	Path Length (ft.):	0.0			Affected length:	0
	Road Length (ft.):	0.0		5.2	Migration Features	
	Railroad Lenth (ft.):	0.0			Flood Chutes:	0
	Development Length:	10.3			Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	0.0	0.0		Braiding:	0
	Erosion Height (ft.):	0.0	0.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	None		Steep Riffles:	0
	Revetment length:	0.0	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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SGAT Version: **4.53**

Reach: **R19 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	227.8	1,482.3
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	748.8
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	Rip-Rap	None
	Revetment length:	1,333.4	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	738	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **R25 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):		
	Path Length (ft.):		
	Road Length (ft.):		
	Railroad Lenth (ft.):		
	Development Length:		
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	139.4	53.7
	Erosion Height (ft.):	3.7	5.0
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	550
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	25.0	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **R29 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	821.9	442.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	563.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	121.1	73.8
	Erosion Height (ft.):	2.1	2.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	217.1	92.1
3.2	<u>Buffer Less Than 25 ft.</u>	109	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T12.03 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	5,958.3	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	44.0	45.2
	Erosion Height (ft.):	2.3	2.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	146.0	1,758.7
3.2	<u>Buffer Less Than 25 ft.</u>	492	2481
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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Reach: **T12.03 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	5,958.3	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	44.0	45.2
	Erosion Height (ft.):	2.3	2.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	146.0	1,758.7
3.2	<u>Buffer Less Than 25 ft.</u>	492	2481
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T14.S3.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	0.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	558.7	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	223.6	172.3
	Erosion Height (ft.):	3.6	3.5
	Revetment Type:	Rip-Rap	None
	Revetment length:	91.7	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	842	847
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.7	Stormwater Inputs	
4.9	Beaver Dams:	1
	Affected length:	2
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T14.S3.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	0.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	558.7	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	223.6	172.3
	Erosion Height (ft.):	3.6	3.5
	Revetment Type:	Rip-Rap	None
	Revetment length:	91.7	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	842	847
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.7	Stormwater Inputs	
4.9	Beaver Dams:	1
	Affected length:	2
5.2	Migration Features	
	Flood Chutes:	0
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T11.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	110.9	147.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	6,612.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	3,483.7	1,372.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	3,539.3	3,286.2
	Erosion Height (ft.):	3.5	4.2
	Revetment Type:	Multiple	Multiple
	Revetment length:	2,256.7	1,865.9
3.2	<u>Buffer Less Than 25 ft.</u>	4035	2147
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	44.0	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	10
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	10
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	14
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	Gravel Mining



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West River

SGAT Version: **4.53**

Reach: **T11.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	110.9	147.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	6,612.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	3,483.7	1,372.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	3,539.3	3,286.2
	Erosion Height (ft.):	3.5	4.2
	Revetment Type:	Multiple	Multiple
	Revetment length:	2,256.7	1,865.9
3.2	<u>Buffer Less Than 25 ft.</u>	4035	2147
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	44.0	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	10
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	10
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	14
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	Gravel Mining



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West River

SGAT Version: **4.53**

Reach: **T11.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	110.9	147.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	6,612.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	3,483.7	1,372.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	3,539.3	3,286.2
	Erosion Height (ft.):	3.5	4.2
	Revetment Type:	Multiple	Multiple
	Revetment length:	2,256.7	1,865.9
3.2	<u>Buffer Less Than 25 ft.</u>	4035	2147
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	44.0	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	10
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	10
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	14
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	Gravel Mining



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West River

SGAT Version: 4.53

Reach: T11.S4.02 -B

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	351.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	205.4	234.2
	Erosion Height (ft.):	2.4	1.7
	Revetment Type:	Multiple	Hard Bank
	Revetment length:	190.9	63.8
3.2	<u>Buffer Less Than 25 ft.</u>	551	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	13.0	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	1
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	4
	Head Cuts:	0
5.4	Animal Crossings:	Yes
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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West River

SGAT Version: **4.53**

Reach: **T11.S3.01 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	589	590
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **T8.05 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	209.5	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	145.5	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	414.4	259.7
	Erosion Height (ft.):	4.6	5.0
	Revetment Type:	Rip-Rap	None
	Revetment length:	345.6	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	358	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **R22 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0	4.9	Beaver Dams:	0
	Path Length (ft.):	0.0		Affected length:	0
	Road Length (ft.):	1,354.8	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0		Flood Chutes:	0
	Development Length:	298.7		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Channel Avulsions:	0
	Erosion Length (ft.):	99.1		Braiding:	0
	Erosion Height (ft.):	4.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	Rip-Rap		Steep Riffles:	0
	Revetment length:	226.4		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	1341	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>		5.5	Channel Alterations	
	Mass Failures:	None		Straightening:	None
	Average Height (ft.):			Dredging:	None
	Gullies:	One			
	Average Height (ft.):	3.0			



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West River

SGAT Version: **4.53**

Reach: **R22 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,209.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	652.2	167.9
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	171.4	0.0
	Erosion Height (ft.):	4.0	0.0
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	592.5
3.2	<u>Buffer Less Than 25 ft.</u>	0	676
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **T12.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0		4.9	Beaver Dams:	0
	Path Length (ft.):	0.0			Affected length:	0
	Road Length (ft.):	919.7		5.2	Migration Features	
	Railroad Lenth (ft.):	0.0			Flood Chutes:	1
	Development Length:	0.0			Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	0.0	0.0		Braiding:	0
	Erosion Height (ft.):	0.0	0.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	None		Steep Riffles:	0
	Revetment length:	0.0	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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SGAT Version: **4.53**

Reach: **T12.02 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	1,272.9	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	785.9
3.2	<u>Buffer Less Than 25 ft.</u>	0	538
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.08 -B**

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



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SGAT Version: **4.53**

Reach: **T11.08 -B**

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



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SGAT Version: **4.53**

Reach: **T8.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,876.9	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	899.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	278.7
	Erosion Height (ft.):	0.0	4.3
	Revetment Type:	Multiple	Hard Bank
	Revetment length:	496.0	88.6
3.2	<u>Buffer Less Than 25 ft.</u>	433	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	5
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	Gravel Mining



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SGAT Version: **4.53**

Reach: **T8.02 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	438.4	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	623.4	788.6
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	983.9	271.5
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	82.9	0.0
	Erosion Height (ft.):	2.2	0.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	666.4	429.1
3.2	<u>Buffer Less Than 25 ft.</u>	651	841
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.S3.01 -E**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	10
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0	0.0	4.9	Beaver Dams:	1
	Path Length (ft.):	0.0	0.0		Affected length:	100
	Road Length (ft.):	0.0	0.0	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0	0.0		Flood Chutes:	4
	Development Length:	245.6	0.0		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	2
	Erosion Length (ft.):	17.8	13.6		Braiding:	0
	Erosion Height (ft.):	2.0	1.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	Rip-Rap	Rip-Rap		Steep Riffles:	0
	Revetment length:	24.2	43.5		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	69	163	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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Reach: **T8.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,839.2	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	153.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	218.9	862.5
	Erosion Height (ft.):	7.9	3.8
	Revetment Type:	Rip-Rap	None
	Revetment length:	610.5	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	581	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	18.8	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.S4.01 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0	0.0	4.9	Beaver Dams:	0
	Path Length (ft.):	0.0	0.0		Affected length:	0
	Road Length (ft.):	293.5	0.0	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0	0.0		Flood Chutes:	0
	Development Length:	1,075.0	0.0		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	0.0	24.7		Braiding:	0
	Erosion Height (ft.):	0.0	2.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	Rip-Rap		Steep Riffles:	0
	Revetment length:	0.0	14.4		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	1821	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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Reach: **T8.05 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	2,842.9	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,764.5	420.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	255.3	670.8
	Erosion Height (ft.):	5.8	11.9
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,392.0	622.8
3.2	<u>Buffer Less Than 25 ft.</u>	2839	408
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	20.0	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T8.05 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	0.0 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	2,842.9 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	1,764.5 420.4
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	255.3 670.8
	Erosion Height (ft.):	5.8 11.9
	Revetment Type:	Rip-Rap Rip-Rap
	Revetment length:	1,392.0 622.8
3.2	<u>Buffer Less Than 25 ft.</u>	2839 408
3.3	<u>Riparian Corridor</u>	
	Mass Failures:	One
	Average Height (ft.):	20.0
	Gullies:	None
	Average Height (ft.):	

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



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SGAT Version: **4.53**

Reach: **R12 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0	0.0	4.9	Beaver Dams:	0
	Path Length (ft.):	0.0	0.0		Affected length:	0
	Road Length (ft.):	631.5	1,711.3	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0	0.0		Flood Chutes:	1
	Development Length:	1,277.8	0.0		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	0.0	0.0		Braiding:	0
	Erosion Height (ft.):	0.0	0.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	None		Steep Riffles:	0
	Revetment length:	0.0	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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SGAT Version: 4.53

Reach: **R13 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,733.7	1,058.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,119.6	3,033.8
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	Rip-Rap	Multiple
	Revetment length:	374.5	746.8
3.2	<u>Buffer Less Than 25 ft.</u>	115	2249
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R25 -D**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	0.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	828.4	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	247.8	0.0
	Erosion Height (ft.):	2.2	0.0
	Revetment Type:	Rip-Rap	None
	Revetment length:	36.5	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	1598	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	30.0	
	Gullies:	Multiple	
	Average Height (ft.):	7.5	

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



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SGAT Version: **4.53**

Reach: **R27 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	2,120.3	519.5
	Railroad Lenth (ft.):	0.0	
	Development Length:	1,426.2	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	23.8	0.0
	Erosion Height (ft.):	4.0	0.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	737.5	237.7
3.2	<u>Buffer Less Than 25 ft.</u>	1284	1269
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T13.S2.01 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	504.9	
	Path Length (ft.):	0.0	
	Road Length (ft.):	0.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	32.2	66.3
	Erosion Height (ft.):	2.0	2.0
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	15.0	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: 4.53

Reach: T14.01 -B

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

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



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SGAT Version: 4.53

Reach: T8.S3.01 -0

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	225.2	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	948.3	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	85.7	180.3
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	222.5	181.4
	Erosion Height (ft.):	3.2	4.0
	Revetment Type:	Multiple	Multiple
	Revetment length:	694.9	253.3
3.2	<u>Buffer Less Than 25 ft.</u>	1144	648
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	18.0	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.06 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	672.4 0.0
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	1,640.9 0.0
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	735.3 0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	302.2 530.1
	Erosion Height (ft.):	2.9 4.7
	Revetment Type:	Rip-Rap None
	Revetment length:	49.1 0.0
3.2	<u>Buffer Less Than 25 ft.</u>	1446 0
3.3	<u>Riparian Corridor</u>	
	Mass Failures:	None
	Average Height (ft.):	
	Gullies:	None
	Average Height (ft.):	

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



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SGAT Version: **4.53**

Reach: **T11.S4.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	535.2	118.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	426
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.03 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	456.5	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	658.7	624.4
	Erosion Height (ft.):	5.6	4.3
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	136.5
3.2	<u>Buffer Less Than 25 ft.</u>	141	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	35.0	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	3
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	Gravel Mining



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SGAT Version: **4.53**

Reach: **T11.01 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	218.1	3,840.7
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,221.7	200.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	148.6	1,484.0
	Erosion Height (ft.):	3.4	4.7
	Revetment Type:	Hard Bank	Multiple
	Revetment length:	11.2	56.5
3.2	<u>Buffer Less Than 25 ft.</u>	683	2073
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: 4.53

Reach: **R19 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	3,205.1	
	Railroad Lenth (ft.):	0.0	
	Development Length:	3,205.1	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	Multiple	Rip-Rap
	Revetment length:	2,042.7	1,224.9
3.2	<u>Buffer Less Than 25 ft.</u>	2253	1509
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **R19 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	3,205.1	
	Railroad Lenth (ft.):	0.0	
	Development Length:	3,205.1	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	Multiple	Rip-Rap
	Revetment length:	2,042.7	1,224.9
3.2	<u>Buffer Less Than 25 ft.</u>	2253	1509
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R20 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	6,023.6	
	Railroad Lenth (ft.):	0.0	
	Development Length:	760.6	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	89.0	4,211.3
3.2	<u>Buffer Less Than 25 ft.</u>	0	5846
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	15.0	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R24 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):			4.9	Beaver Dams:	1
	Path Length (ft.):				Affected length:	60
	Road Length (ft.):			5.2	Migration Features	
	Railroad Lenth (ft.):				Flood Chutes:	1
	Development Length:				Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	698.1	202.5		Braiding:	0
	Erosion Height (ft.):	3.5	3.9	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	None		Steep Riffles:	1
	Revetment length:	0.0	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	1100	173	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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SGAT Version: **4.53**

Reach: **R25 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	957.7	
	Road Length (ft.):	0.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	80.3	26.0
	Erosion Height (ft.):	3.0	6.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	62.7	209.1
3.2	<u>Buffer Less Than 25 ft.</u>	0	955
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T14.02 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	554.9	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	227.7	223.4
	Erosion Height (ft.):	3.2	2.8
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	103.5	105.0
3.2	<u>Buffer Less Than 25 ft.</u>	1919	102
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	20.0	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	3
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	8
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	5
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T14.05 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	816.2	
	Railroad Lenth (ft.):	0.0	
	Development Length:	306.2	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	245.9	709.6
	Erosion Height (ft.):	3.4	5.0
	Revetment Type:	Multiple	Rip-Rap
	Revetment length:	397.6	310.1
3.2	<u>Buffer Less Than 25 ft.</u>	568	3176
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T11.03 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	139.2
	Road Length (ft.):	1,276.4	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	327.8	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	543.3	328.8
	Erosion Height (ft.):	5.7	5.9
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	497.1
3.2	<u>Buffer Less Than 25 ft.</u>	0	576
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	15.0	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T11.03 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	139.2
	Road Length (ft.):	1,276.4	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	327.8	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	543.3	328.8
	Erosion Height (ft.):	5.7	5.9
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	497.1
3.2	<u>Buffer Less Than 25 ft.</u>	0	576
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	15.0	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T8.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	Yes	4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0 0.0	4.9	Beaver Dams:	0
	Path Length (ft.):	0.0 0.0		Affected length:	0
	Road Length (ft.):	0.0 0.0	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0 0.0		Flood Chutes:	3
	Development Length:	52.7 0.0		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	311.5 654.7		Braiding:	0
	Erosion Height (ft.):	2.7 6.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	Multiple Multiple		Steep Riffles:	0
	Revetment length:	144.5 111.6		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	149 175	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>		5.5	Channel Alterations	
	Mass Failures:	One		Straightening:	None
	Average Height (ft.):	25.0		Dredging:	None
	Gullies:	None			
	Average Height (ft.):				



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Reach: **T11.05 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	449.1 450.7
	Path Length (ft.):	0.0 0.0
	Road Length (ft.):	4,486.3 318.1
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	2,839.9 599.9
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	626.1 822.2
	Erosion Height (ft.):	5.5 4.7
	Revetment Type:	Rip-Rap Rip-Rap
	Revetment length:	2,132.5 206.9
3.2	<u>Buffer Less Than 25 ft.</u>	4144 2249
3.3	<u>Riparian Corridor</u>	
	Mass Failures:	One
	Average Height (ft.):	17.5
	Gullies:	None
	Average Height (ft.):	

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



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Reach: **T11.05 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	449.1	450.7
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	4,486.3	318.1
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,839.9	599.9
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	626.1	822.2
	Erosion Height (ft.):	5.5	4.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	2,132.5	206.9
3.2	<u>Buffer Less Than 25 ft.</u>	4144	2249
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	17.5	
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **T11.05 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	449.1	450.7
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	4,486.3	318.1
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,839.9	599.9
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	626.1	822.2
	Erosion Height (ft.):	5.5	4.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	2,132.5	206.9
3.2	<u>Buffer Less Than 25 ft.</u>	4144	2249
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	17.5	
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **T11.S3.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	604.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	624.6	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	109.1	149.0
	Erosion Height (ft.):	1.9	1.6
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	15.2	16.3
3.2	<u>Buffer Less Than 25 ft.</u>	245	227
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	4
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	1
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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SGAT Version: **4.53**

Reach: **R21 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	82.6	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	2,546.2	642.2
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,520.2	653.6
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	69.3	497.2
	Erosion Height (ft.):	4.0	3.3
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	384.0	423.6
3.2	<u>Buffer Less Than 25 ft.</u>	0	827
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	17.5	
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **R23 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	1,180.6	0.0
	Road Length (ft.):	766.3	273.6
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	66.5
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	470.7	147.0
	Erosion Height (ft.):	3.8	6.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	115.5	444.5
3.2	<u>Buffer Less Than 25 ft.</u>	108	413
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	20.0	
	Gullies:	One	
	Average Height (ft.):	4.0	

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



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West River

SGAT Version: 4.53

Reach: R30 -B

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

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



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West River

SGAT Version: **4.53**

Reach: **R30 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	934.5	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,641.5	425.3
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	371.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	413.3	501.4
	Erosion Height (ft.):	2.1	2.4
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	591.7	343.1
3.2	<u>Buffer Less Than 25 ft.</u>	2428	3221
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **R30 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	934.5	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,641.5	425.3
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	371.2	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	413.3	501.4
	Erosion Height (ft.):	2.1	2.4
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	591.7	343.1
3.2	<u>Buffer Less Than 25 ft.</u>	2428	3221
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **T11.08 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	Yes	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	201.1	
	Path Length (ft.):		
	Road Length (ft.):	586.4	
	Railroad Lenth (ft.):		
	Development Length:		
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	432.3	758.3
	Erosion Height (ft.):	4.1	4.0
	Revetment Type:	None	None
	Revetment length:		
3.2	<u>Buffer Less Than 25 ft.</u>	229	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:		
	Average Height (ft.):		
	Gullies:		
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	6
4.7	Stormwater Inputs	
4.9	Beaver Dams:	
	Affected length:	
5.2	Migration Features	
	Flood Chutes:	10
	Neck Cutoffs:	
	Channel Avulsions:	3
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	3
	Head Cuts:	
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	



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West River

SGAT Version: **4.53**

Reach: **T11.08 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:		
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	255.7	
	Path Length (ft.):	1,196.7	
	Road Length (ft.):		
	Railroad Lenth (ft.):		
	Development Length:		
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	48.7	421.0
	Erosion Height (ft.):	2.0	3.8
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	41.5	30.1
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:		
	Average Height (ft.):		
	Gullies:		
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T8.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	283.2	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	3,245.3	1,498.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,358.0	152.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	246.2	1,033.2
	Erosion Height (ft.):	4.0	6.6
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,652.0	517.8
3.2	<u>Buffer Less Than 25 ft.</u>	4072	1147
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	18.0	
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: **4.53**

Reach: **T8.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	283.2	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	3,245.3	1,498.4
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,358.0	152.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	246.2	1,033.2
	Erosion Height (ft.):	4.0	6.6
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,652.0	517.8
3.2	<u>Buffer Less Than 25 ft.</u>	4072	1147
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	18.0	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.S4.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	714.7	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	458.7	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	154.5	782.3
	Erosion Height (ft.):	1.9	1.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	330.1	357.6
3.2	<u>Buffer Less Than 25 ft.</u>	536	379
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	6
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T11.S4.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	714.7	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	458.7	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	154.5	782.3
	Erosion Height (ft.):	1.9	1.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	330.1	357.6
3.2	<u>Buffer Less Than 25 ft.</u>	536	379
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	3
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	6
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	Straightening
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T11.05 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	189.2	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	988.1	41.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	463.0	340.8
	Erosion Height (ft.):	4.6	3.4
	Revetment Type:	Rip-Rap	None
	Revetment length:	227.7	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	788	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	25.0	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T11.08 -A**

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



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SGAT Version: **4.53**

Reach: **T11.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	4,376.9	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	116.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	814.0	610.3
	Erosion Height (ft.):	4.2	4.9
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	227.7
3.2	<u>Buffer Less Than 25 ft.</u>	0	2781
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	47.0	
	Gullies:	One	
	Average Height (ft.):	2.0	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	6
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	2
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	4
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T11.02 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	4,376.9	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	116.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	814.0	610.3
	Erosion Height (ft.):	4.2	4.9
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	227.7
3.2	<u>Buffer Less Than 25 ft.</u>	0	2781
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	47.0	
	Gullies:	One	
	Average Height (ft.):	2.0	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	6
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	2
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	4
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T11.07 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	369.2	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,565.3	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	243.6	505.3
	Erosion Height (ft.):	3.1	3.2
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	1301	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	50.0	
	Gullies:	One	
	Average Height (ft.):	4.0	

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



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SGAT Version: **4.53**

Reach: **R11 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	1
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0		4.9	Beaver Dams:	0
	Path Length (ft.):	0.0			Affected length:	0
	Road Length (ft.):	0.0		5.2	Migration Features	
	Railroad Lenth (ft.):	0.0			Flood Chutes:	1
	Development Length:	2,046.6			Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	669.3	220.2		Braiding:	0
	Erosion Height (ft.):	3.6	4.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	None		Steep Riffles:	0
	Revetment length:	0.0	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	One			Straightening:	None
	Average Height (ft.):	20.0			Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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SGAT Version: **4.53**

Reach: **R19 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	320.6	1,351.6
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,349.0	1,353.4
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	595.8	429.7
	Erosion Height (ft.):	6.4	7.2
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	96.5	764.8
3.2	<u>Buffer Less Than 25 ft.</u>	538	1006
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	16.0	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R24 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	737.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	1,510.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	556.1	359.6
	Erosion Height (ft.):	3.0	2.8
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	369.6	192.1
3.2	<u>Buffer Less Than 25 ft.</u>	1350	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	20.0	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R30 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):		
	Path Length (ft.):		
	Road Length (ft.):		
	Railroad Lenth (ft.):		
	Development Length:		
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	179.8	110.9
	Erosion Height (ft.):	3.1	3.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	67.5	82.3
3.2	<u>Buffer Less Than 25 ft.</u>	0	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T13.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	2
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):			4.9	Beaver Dams:	0
	Path Length (ft.):				Affected length:	0
	Road Length (ft.):			5.2	Migration Features	
	Railroad Lenth (ft.):				Flood Chutes:	2
	Development Length:				Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	134.6	0.0		Braiding:	0
	Erosion Height (ft.):	2.0	0.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	Rip-Rap	None		Steep Riffles:	1
	Revetment length:	33.3	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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Reach: **T14.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	669.7	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	304.7	314.8
	Erosion Height (ft.):	4.2	4.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	57.4	61.3
3.2	<u>Buffer Less Than 25 ft.</u>	1880	97
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	17.0	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T8.03 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None
1.3	<u>Encroachments - Side</u>	<u>One</u> <u>Both</u>
	Berm Length (ft.):	374.4 36.6
	Path Length (ft.):	1,463.0 0.0
	Road Length (ft.):	5,992.9 533.3
	Railroad Lenth (ft.):	0.0 0.0
	Development Length:	1,920.3 498.8
3.1	<u>Erosion - Bank</u>	<u>Left</u> <u>Right</u>
	Erosion Length (ft.):	748.7 2,004.8
	Erosion Height (ft.):	8.2 7.5
	Revetment Type:	Multiple Rip-Rap
	Revetment length:	2,356.5 587.1
3.2	<u>Buffer Less Than 25 ft.</u>	5446 994
3.3	<u>Riparian Corridor</u>	
	Mass Failures:	Multiple
	Average Height (ft.):	50.0
	Gullies:	None
	Average Height (ft.):	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	3
	Head Cuts:	1
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T8.05 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	1,555.5	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	973.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	1,158.3	674.3
	Erosion Height (ft.):	9.0	10.6
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	310	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	32.5	
	Gullies:	One	
	Average Height (ft.):	2.0	

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



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SGAT Version: **4.53**

Reach: **T8.06 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	2,182.3	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	498.4	136.2
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	416.4	0.0
	Erosion Height (ft.):	4.0	0.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	142.9	1,184.1
3.2	<u>Buffer Less Than 25 ft.</u>	122	1934
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: 4.53

Reach: T11.S3.01 -F

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

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



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West River

SGAT Version: **4.53**

Reach: **T11.06 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	586.7	442.6
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	521.5	359.9
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	745.1
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	32.0	240.0
	Erosion Height (ft.):	3.0	3.3
	Revetment Type:	Rip-Rap	Multiple
	Revetment length:	308.2	39.5
3.2	<u>Buffer Less Than 25 ft.</u>	1165	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R10 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	608.1	
	Railroad Lenth (ft.):	0.0	
	Development Length:	999.5	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	883.5	990.9
	Erosion Height (ft.):	8.5	9.0
	Revetment Type:	Rip-Rap	None
	Revetment length:	389.2	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	379	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	25.0	
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R28 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	617.3	
	Road Length (ft.):	3,781.9	
	Railroad Lenth (ft.):	0.0	
	Development Length:	1,283.4	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	127.9	13.0
	Erosion Height (ft.):	2.4	3.0
	Revetment Type:	Rip-Rap	Multiple
	Revetment length:	572.9	327.4
3.2	<u>Buffer Less Than 25 ft.</u>	337	705
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	20.7	
	Gullies:	None	
	Average Height (ft.):		

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



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West River

SGAT Version: 4.53

Reach: R29 -B

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None		4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0	0.0	4.9	Beaver Dams:	0
	Path Length (ft.):	0.0	0.0		Affected length:	0
	Road Length (ft.):	908.2	29.2	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0	0.0		Flood Chutes:	2
	Development Length:	103.3	0.0		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	0
	Erosion Length (ft.):	66.8	0.0		Braiding:	0
	Erosion Height (ft.):	2.5	0.0	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	None		Steep Riffles:	0
	Revetment length:	0.0	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	Straightening
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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SGAT Version: **4.53**

Reach: **T12.04 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	2,484.7	
	Railroad Lenth (ft.):	0.0	
	Development Length:	1,051.8	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	48.1	162.7
	Erosion Height (ft.):	1.9	2.5
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	511.5	493.8
3.2	<u>Buffer Less Than 25 ft.</u>	1169	1407
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T13.S2.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):		
	Path Length (ft.):		
	Road Length (ft.):		
	Railroad Lenth (ft.):		
	Development Length:		
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	26.6	37.8
	Erosion Height (ft.):	2.0	6.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	33.8	78.0
3.2	<u>Buffer Less Than 25 ft.</u>	14	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	11.7	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	3
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	4
	Neck Cutoffs:	0
	Channel Avulsions:	1
	Braiding:	1
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	1
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None



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SGAT Version: **4.53**

Reach: **T11.S3.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	Yes		4.4	Number of Debris Jams:	0
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0	0.0	4.9	Beaver Dams:	5
	Path Length (ft.):	0.0	0.0		Affected length:	100
	Road Length (ft.):	138.1	0.0	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0	0.0		Flood Chutes:	5
	Development Length:	100.3	0.0		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>		Channel Avulsions:	2
	Erosion Length (ft.):	61.6	62.6		Braiding:	0
	Erosion Height (ft.):	1.6	2.4	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None	None		Steep Riffles:	1
	Revetment length:	0.0	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	0	0	5.4	Animal Crossings:	No
3.3	<u>Riparian Corridor</u>			5.5	Channel Alterations	
	Mass Failures:	None			Straightening:	None
	Average Height (ft.):				Dredging:	None
	Gullies:	None				
	Average Height (ft.):					



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SGAT Version: **4.53**

Reach: **T8.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	3,420.6	168.9
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,406.4	534.2
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	785.9	291.3
	Erosion Height (ft.):	4.3	3.6
	Revetment Type:	Multiple	Multiple
	Revetment length:	1,642.8	778.9
3.2	<u>Buffer Less Than 25 ft.</u>	3118	237
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T11.S3.01 -D**

<u>Step</u>	<u>Description</u>	<u>Value</u>	<u>Step</u>	<u>Description</u>	<u>Value</u>
1.2	Alluvial Fan:	None	4.4	Number of Debris Jams:	12
1.3	<u>Encroachments - Side</u>	<u>One</u>	4.7	Stormwater Inputs	
	Berm Length (ft.):	0.0	4.9	Beaver Dams:	0
	Path Length (ft.):	0.0		Affected length:	0
	Road Length (ft.):	154.6	5.2	Migration Features	
	Railroad Lenth (ft.):	0.0		Flood Chutes:	10
	Development Length:	560.9		Neck Cutoffs:	0
3.1	<u>Erosion - Bank</u>	<u>Left</u>		Channel Avulsions:	6
	Erosion Length (ft.):	312.8		Braiding:	0
	Erosion Height (ft.):	1.7	5.3	Steep Riffles and Head Cuts	
	Revetment Type:	None		Steep Riffles:	2
	Revetment length:	0.0		Head Cuts:	0
3.2	<u>Buffer Less Than 25 ft.</u>	268	5.4	Animal Crossings:	Yes
3.3	<u>Riparian Corridor</u>		5.5	Channel Alterations	
	Mass Failures:	None		Straightening:	None
	Average Height (ft.):			Dredging:	None
	Gullies:	Multiple			
	Average Height (ft.):	3.0			



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SGAT Version: **4.53**

Reach: **T8.01 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	513.4	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	10,647.2	546.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	2,698.1	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	4,939.3	942.8
	Erosion Height (ft.):	7.1	3.7
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,337.8	3,692.3
3.2	<u>Buffer Less Than 25 ft.</u>	2797	4598
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	34.3	
	Gullies:	None	
	Average Height (ft.):		

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	0
4.7	Stormwater Inputs	
4.9	Beaver Dams:	0
	Affected length:	0
5.2	Migration Features	
	Flood Chutes:	16
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	4
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	15
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	With Windrowing
	Dredging:	Gravel Mining



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Reach: **T11.02 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	505.6	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	0.0	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	0.0	0.0
	Erosion Height (ft.):	0.0	0.0
	Revetment Type:	Hard Bank	Rip-Rap
	Revetment length:	67.7	57.6
3.2	<u>Buffer Less Than 25 ft.</u>	0	200
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T8.06 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	144.7	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	259.3	0.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	129.4	109.4
	Erosion Height (ft.):	7.0	4.4
	Revetment Type:	None	Rip-Rap
	Revetment length:	0.0	234.2
3.2	<u>Buffer Less Than 25 ft.</u>	0	484
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	One	
	Average Height (ft.):	60.0	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **R13 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	2,556.8	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	691.4	394.3
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	166.1	161.3
	Erosion Height (ft.):	2.0	4.0
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	0	87
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **R18 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	3,759.2	
	Railroad Lenth (ft.):	0.0	
	Development Length:	146.2	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	207.9	0.0
	Erosion Height (ft.):	6.0	0.0
	Revetment Type:	Rip-Rap	None
	Revetment length:	457.6	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	764	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **R25 -C**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):		
	Path Length (ft.):		
	Road Length (ft.):		
	Railroad Lenth (ft.):		
	Development Length:		
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	206.3	212.9
	Erosion Height (ft.):	8.0	6.0
	Revetment Type:	None	None
	Revetment length:	0.0	0.0
3.2	<u>Buffer Less Than 25 ft.</u>	1542	0
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	17.5	
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **R26 -0**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	203.7	372.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	1,109.4	294.0
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	34.6	32.7
	Erosion Height (ft.):	2.0	3.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	1,023.0	999.3
3.2	<u>Buffer Less Than 25 ft.</u>	942	332
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: R28 -A

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	
	Path Length (ft.):	0.0	
	Road Length (ft.):	594.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	96.9	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	67.7	13.0
	Erosion Height (ft.):	3.0	2.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	130.2	111.4
3.2	<u>Buffer Less Than 25 ft.</u>	1171	335
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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Reach: **T13.S2.01 -B**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	18.5	
	Path Length (ft.):	0.0	
	Road Length (ft.):	0.0	
	Railroad Lenth (ft.):	0.0	
	Development Length:	0.0	
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	204.8	179.4
	Erosion Height (ft.):	3.7	3.0
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	138.1	134.9
3.2	<u>Buffer Less Than 25 ft.</u>	1046	758
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	None	
	Average Height (ft.):		
	Gullies:	None	
	Average Height (ft.):		

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



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SGAT Version: **4.53**

Reach: **T14.01 -A**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
1.2	Alluvial Fan:	None	
1.3	<u>Encroachments - Side</u>	<u>One</u>	<u>Both</u>
	Berm Length (ft.):	0.0	0.0
	Path Length (ft.):	0.0	0.0
	Road Length (ft.):	0.0	0.0
	Railroad Lenth (ft.):	0.0	0.0
	Development Length:	982.8	720.3
3.1	<u>Erosion - Bank</u>	<u>Left</u>	<u>Right</u>
	Erosion Length (ft.):	364.6	617.3
	Erosion Height (ft.):	2.5	4.5
	Revetment Type:	Rip-Rap	Rip-Rap
	Revetment length:	259.8	319.0
3.2	<u>Buffer Less Than 25 ft.</u>	382	694
3.3	<u>Riparian Corridor</u>		
	Mass Failures:	Multiple	
	Average Height (ft.):	25.0	
	Gullies:	Multiple	
	Average Height (ft.):	5.3	

<u>Step</u>	<u>Description</u>	<u>Value</u>
4.4	Number of Debris Jams:	2
4.7	Stormwater Inputs	
4.9	Beaver Dams:	4
	Affected length:	9
5.2	Migration Features	
	Flood Chutes:	2
	Neck Cutoffs:	0
	Channel Avulsions:	0
	Braiding:	0
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	0
	Head Cuts:	0
5.4	Animal Crossings:	No
5.5	Channel Alterations	
	Straightening:	None
	Dredging:	None