



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 17 2024

Phase 1 - FIT - Legacy Data Report

Mill Brook - Basin 13

SGAT Version: 4.56

Reach: **M01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1481	735
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	65.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	460.7025	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	759.4104	594.2781
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000

Reach: **M02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		101	1601
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	4	
	Total Length:	125.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1057.07	737.102
		739	97
	Data Armoring:		
5.4	Straightening Length:	1390.16431	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	85.0990	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	1815.4337	1500.7705
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	571.3728638
	Bank Height:	N.D.	5.750



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Reach: **M04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1560	1986
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	132.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		831.374	1274.10
		15	852
	Data Armoring:		
5.4	Straightening Length:	660.88367	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	6459.1846	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	710.1980	0.0000
6.4	Miander Migration:	Migration	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	576.2872925
	Bank Height:	N.D.	5.502

Reach: **M05**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1083	171
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	4	
	Total Length:	108.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		458.899	894.220
		29	21
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	283.9277	0.0000
	Path:	0.000	0.000
	Road:	4339.9082	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	1741.2953	121.5194
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	4934.879882
			8
	Bank Height:	N.D.	8.146



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Reach: **M06**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Multiple	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1302	735
5.1	Flow Regulation - Type:	Small Withdrawal	
	Use:	Other	
5.2	# of Bridges or Culverts:	2	
	Total Length:	29.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		955.742	169.085
		55	25
	Data Armoring:		
5.4	Straightening Length:	1554.04346	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	669.4909	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	1316.6744	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1472.415893
			6
	Bank Height:	N.D.	5.526

Reach: **M07**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		2106	873
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	3	
	Total Length:	71.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1631.01	412.095
		709	09
	Data Armoring:		
5.4	Straightening Length:	157.63203	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	284.5129	0.0000
	Path:	0.000	0.000
	Road:	3571.6003	874.13812
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	2315.0454	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	845.6373901
	Bank Height:	N.D.	4.508



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Reach: **M08**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	194
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	0	
	Total Length:	0.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	498.13834	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1951.1472	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	415.4947205
	Bank Height:	N.D.	4.590

Reach: **M09**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		6480	7019
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	4	
	Total Length:	70.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1929.06	1489.55
		653	066
	Data Armoring:		
5.4	Straightening Length:	7377.32422	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1476.1875	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	207.4898	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	3060.957031
			3
	Bank Height:	N.D.	6.544



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Reach: **M10**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		697	221
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	18.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		228.676	215.972
		80	96
	Data Armoring:		
5.4	Straightening Length:	671.42902	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1249.7905	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	613.4552	0.0000
6.4	Miander Migration:	Migration	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	140.9026184
	Bank Height:	N.D.	2.456

Reach: **M11**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		2152	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	0	
	Total Length:	0.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1458.82	0.00000
		971	
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	3967.6418	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	634.3201	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	49.7935257
	Bank Height:	N.D.	2.000



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Reach: **M12**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		960	427
5.1	Flow Regulation - Type:	Small Withdrawal	
	Use:	Other	
5.2	# of Bridges or Culverts:	3	
	Total Length:	61.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1336.44	846.985
		446	23
	Data Armoring:		
5.4	Straightening Length:	1083.08435	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	504.4301	0.0000
	Path:	1000.746	0.000
	Road:	878.0280	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	1237.6604	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	412.7495117
	Bank Height:	N.D.	4.411

Reach: **M13**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		2996	346
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	62.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		3024.57	436.574
		690	37
	Data Armoring:		
5.4	Straightening Length:	600.35254	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	6006.7422	685.86676
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	1210.4863	400.7849
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	451.5137024
	Bank Height:	N.D.	4.142



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Reach: **M14**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1867	593
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	90.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		684.549	745.626
		01	10
	Data Armoring:		
5.4	Straightening Length:	2144.91821	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	181.5387	0.0000
	Path:	0.000	0.000
	Road:	3788.5559	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	487.8662	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	2404.310791
			0
	Bank Height:	N.D.	5.063

Reach: **M15**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1408	852
5.1	Flow Regulation - Type:	Small Withdrawal	
	Use:	Other	
5.2	# of Bridges or Culverts:	4	
	Total Length:	96.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		127.367	152.366
		40	76
	Data Armoring:		
5.4	Straightening Length:	2495.14258	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	275.2632	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1132.010009
			8
	Bank Height:	N.D.	2.771



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Reach: **M16**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		900	410
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	0	
	Total Length:	0.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		148.383	0.00000
		00	
	Data Armoring:		
5.4	Straightening Length:	786.56848	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1689.920776
			4
	Bank Height:	N.D.	4.854

Reach: **M17**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	12.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000



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Reach: **M18**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	10.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000

Reach: **T1.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		407	356
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	3	
	Total Length:	56.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		151.194	114.439
		61	42
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	150.0186	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	597.4604	190.5806
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1022.909301
			8
	Bank Height:	N.D.	5.795



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Reach: **T1.02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		3045	2237
5.1	Flow Regulation - Type:	Small Withdrawal	
	Use:	Recreation	
5.2	# of Bridges or Culverts:	4	
	Total Length:	190.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	209.46700
	Data Armoring:		
5.4	Straightening Length:	969.74957	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	915.5196	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	1197.1914	168.1309
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	800.7202148
	Bank Height:	N.D.	7.481

Reach: **T1.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		3394	3469
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	60.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	1012.34973	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1155.4399	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	181.1905	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1618.758911
	Bank Height:	N.D.	1.000



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Reach: **T1.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Dam	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	0
5.1	Flow Regulation - Type:	Small Run of River	
	Use:	Recreation	
5.2	# of Bridges or Culverts:	1	
	Total Length:	15.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1071.1915	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	321.7196	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000

Reach: **T2.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		2031	2744
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	3	
	Total Length:	78.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		326.836	1186.51
		85	855
	Data Armoring:		
5.4	Straightening Length:	1307.92310	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1041.5986	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	479.3296	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	362.2241211
	Bank Height:	N.D.	5.505



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Reach: **T2.02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		588	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	33.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		843.614	262.614
		75	93
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	3159.3252	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	483.2182312
	Bank Height:	N.D.	2.834

Reach: **T2.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1803	3257
5.1	Flow Regulation - Type:	Small Withdrawal	
	Use:	Other	
5.2	# of Bridges or Culverts:	7	
	Total Length:	191.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		871.405	1083.06
		52	995
	Data Armoring:		
5.4	Straightening Length:	924.54791	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	6103.7095	281.92578
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	646.6326	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1001.086425
			8
	Bank Height:	N.D.	4.280



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Reach: **T2.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		220	230
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	0	
	Total Length:	0.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		24.0668	216.409
		4	91
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	871.8486	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	415.5857	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	903.7387695
	Bank Height:	N.D.	3.996

Reach: **T2.05**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		849	536
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	85.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		31.0133	302.062
		8	62
	Data Armoring:		
5.4	Straightening Length:	378.35291	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1496.0918	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	270.6752	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	240.5771332
	Bank Height:	N.D.	3.340



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Reach: **T2.06**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		226	118
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	3	
	Total Length:	55.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	199.04881
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1674.9943	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000

Reach: **T2.07**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		2211	2684
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	3	
	Total Length:	45.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	2367.86768	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	883.7139	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	294.8954	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000



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Reach: **T2.08**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Dam	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1045	1255
5.1	Flow Regulation - Type:	Small Run of River	
	Use:	Recreation	
5.2	# of Bridges or Culverts:	2	
	Total Length:	35.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1876.2068	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Migration	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000

Reach: **T3.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		390	1533
5.1	Flow Regulation - Type:	Small Withdrawal	
	Use:	Other	
5.2	# of Bridges or Culverts:	4	
	Total Length:	92.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		234.557	463.709
		56	35
	Data Armoring:		
5.4	Straightening Length:	994.22791	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	123.0748	0.0000
	Path:	0.000	0.000
	Road:	1770.7676	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	180.2588	0.0000
6.4	Miander Migration:	Migration	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	280.2364502
	Bank Height:	N.D.	3.173



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Reach: **T3.02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		833	1783
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	15.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1256.44	811.861
		275	69
	Data Armoring:		
5.4	Straightening Length:	1936.76794	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	1103.3729	0.0000
	Path:	0.000	0.000
	Road:	3299.7517	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	444.9756470
	Bank Height:	N.D.	2.423

Reach: **T3.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1067	104
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	105.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1025.00	48.5326
		354	1
	Data Armoring:		
5.4	Straightening Length:	478.88828	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1924.0076	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	178.8635712
	Bank Height:	N.D.	2.815



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Reach: **T3.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Multiple	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1431	1386
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	105.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		521.910	1500.43
		89	848
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	2901.9055	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Avulsion	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	173.7842407
	Bank Height:	N.D.	5.016

Reach: **T3.05**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		2579	1790
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	3	
	Total Length:	90.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	2802.9783	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	314.2135	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000



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Reach: **T3.06**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	0	
	Total Length:	0.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000

Reach: **T4.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	Yes	
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		980	228
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	52.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	20.62176
	Data Armoring:		
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Dredging	
6.1	Berms & Roads Data:	<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	365.6519	0.0000
	Path:	0.000	0.000
	Road:	2151.2444	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	584.6795	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	3398.5012207
	Bank Height:	N.D.	7.544



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Reach: **T4.02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	25.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	0.00000	
	Straightening Data:	None	

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	2561.303466
			8
	Bank Height:	N.D.	6.148

Reach: **T1.01.S3.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1486	562
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	50.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	432.10605	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	None	
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	172.2956	0.0000
6.4	Miander Migration:	None	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	0.0000000
	Bank Height:	N.D.	0.000



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Reach: **T1.01.S4.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>		<u>Step</u>	<u>Description</u>	<u>Value</u>	
				5.5	Dredging History:	Dredging	
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:		
3.2	Grade Control:	Dam				<u>One Side</u>	<u>Both Sides</u>
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>	Berms & Roads:	0.0000	0.0000	
		2945	2447	Berm:	0.0000	0.0000	
5.1	Flow Regulation - Type:	Small Run of River		Path:	0.000	0.000	
	Use:	Recreation		Road:	4326.4185	0.00000	
5.2	# of Bridges or Culverts:	10		Railroad:	0.0000	0.00	
	Total Length:	188.000		6.2	Corridor Development Data:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	Length:	424.1527	0.0000	
		406.169	815.245	6.4	Miander Migration:	None	
		56	12			<u>Old</u>	<u>New</u>
	Data Armoring:			7.2	Bank Erosion:	None	294.0070190
5.4	Straightening Length:	3092.22998		Bank Height:	N.D.	5.057	
	Straightening Data:						