



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
July, 18 2024

Phase 1 - FIT - Legacy Data Report

North Branch Winooski

SGAT Version: 4.56

Reach: **M01**

<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>
		2504	2019
5.1	Flow Regulation - Type:	Small Run of River	
	Use:	Flood Control	
5.2	# of Bridges or Culverts:	6	
	Total Length:	275.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		3345.23	2252.95
		999	996
	Data Armoring:		
5.4	Straightening Length:	3372.05005	
	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	3230.6899
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: **M02**

<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	2063
5.1	Flow Regulation - Type:	Large Run of River	
	Use:	Flood Control	
5.2	# of Bridges or Culverts:	2	
	Total Length:	25.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		217.090	1855.23
		00	999
	Data Armoring:		
5.4	Straightening Length:	3051.35986	
	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:	186.6900	63.2100
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	186.6900	63.21000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	1577.0100	508.0900
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	545.8200073
	Bank Height:	N.D.	3.464

Reach: **M03**

<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>
		831	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	38.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		569.820	530.229
		01	98
	Data Armoring:		
5.4	Straightening Length:	1253.96997	
	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:	239.4400	72.1700
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	239.4400	72.17000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	160.4400	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	603.7000122
	Bank Height:	N.D.	2.433



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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>
		669	558
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	23.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		304.880	873.870
		00	00
	Data Armoring:		
5.4	Straightening Length:	2041.51001	
	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:	759.0100	60.0300
	Berm:	85.2600	0.0000
	Path:	0.000	0.000
	Road:	673.7500	60.03000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	195.2800	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	338.2099915
	Bank Height:	N.D.	4.559

Reach: **M05**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Weir	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		252	578
5.1	Flow Regulation - Type:	Large Store and Release	
	Use:	Hydro-electric	
5.2	# of Bridges or Culverts:	1	
	Total Length:	17.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		112.250	1095.47
		00	998
	Data Armoring:		
5.4	Straightening Length:	1090.43994	
	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:	568.6800	540.4500
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	568.6800	540.45001
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	233.3300	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	224.6900024
	Bank Height:	N.D.	2.000



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Reach: **M07**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Waterfall	
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>
		79.2500	0.00000
		0	
	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:	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	771.7700195
	Bank Height:	N.D.	4.333

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>
		691	1227
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>
		151.810	1942.82
		00	007
	Data Armoring:		
5.4	Straightening Length:	3289.37988	
	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	1587.9900
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	1587.98999
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	81.2800	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	2915.000000
			0
	Bank Height:	N.D.	5.786



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Reach: **M09**

<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>
		0	1164
5.1	Flow Regulation - Type:	Small Store and Release	
	Use:	Hydro-electric	
5.2	# of Bridges or Culverts:	1	
	Total Length:	25.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	261.17999
	Data Armoring:		
5.4	Straightening Length:	1881.96997	
	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:	165.9200	45.9200
	Berm:	165.9200	0.0000
	Path:	0.000	0.000
	Road:	0.0000	45.92000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	838.8400	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	668.9899902
	Bank Height:	N.D.	5.021

Reach: **T3.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Waterfall	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		985	529
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	4	
	Total Length:	64.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		296.89999	598.83002
	Data Armoring:		
5.4	Straightening Length:	2199.37988	
	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:	74.4100	1505.6700
	Berm:	74.4100	0.0000
	Path:	0.000	0.000
	Road:	0.0000	1505.67004
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	138.5000	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	787.8200073
	Bank Height:	N.D.	4.564



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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:	Multiple	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1311	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	4	
	Total Length:	60.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1269.38	434.790
		989	01
	Data Armoring:		
5.4	Straightening Length:	1643.21997	
	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:	513.2300	1529.5801
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	513.2300	1529.58008
	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	509.2600098
	Bank Height:	N.D.	4.624

Reach: **T3.03**

<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>
		590	267
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	46.3600
			0
	Data Armoring:		
5.4	Straightening Length:	574.09998	
	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:	98.8000	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	402.4899902
	Bank Height:	N.D.	2.733



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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>
		944	491
5.1	Flow Regulation - Type:	Small Store and Release	
	Use:	Other	
5.2	# of Bridges or Culverts:	4	
	Total Length:	98.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		357.570	278.980
		01	01
	Data Armoring:		
5.4	Straightening Length:	1930.00000	
	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:	48.8700	749.5700
	Berm:	48.8700	0.0000
	Path:	0.000	0.000
	Road:	0.0000	749.57001
	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	527.5399780
	Bank Height:	N.D.	2.344

Reach: **T3.06**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:	None	
	Use:		
5.2	# of Bridges or Culverts:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		



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Reach: **M10**

<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>
		291	161
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:	977.27002	
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:	Gravel Mining	
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:	90.2900	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	223.5199890
	Bank Height:	N.D.	4.284

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>
		2129	2436
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>
		309.22000	335.17999
	Data Armoring:		
5.4	Straightening Length:	3122.22998	
	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:	412.5700	448.3800
	Berm:	0.0000	448.3800
	Path:	0.000	0.000
	Road:	412.5700	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	262.0200	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	498.3500061
	Bank Height:	N.D.	4.592



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Reach: **M12**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	Yes	
3.2	Grade Control:	Waterfall	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	221
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	177.84000
	Data Armoring:		
5.4	Straightening Length:	1247.77002	
	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:	68.1800	226.2700
	Berm:	68.1800	0.0000
	Path:	0.000	0.000
	Road:	0.0000	226.27000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	445.7800
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1566.660034
			2
	Bank Height:	N.D.	3.685

Reach: **M13**

<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>
		2470	443
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	24.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		1072.82007	566.19000
	Data Armoring:		
5.4	Straightening Length:	2878.25000	
	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	876.9500
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	876.94995
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	383.6800	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1080.770019
			5
	Bank Height:	N.D.	4.034



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Reach: **M14**

<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>
		107	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>
		110.860	0.00000
		00	
	Data Armoring:		
5.4	Straightening Length:	405.09998	
	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:	323.2600	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	323.2600	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	282.6300049
	Bank Height:	N.D.	6.000

Reach: **T6.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	Yes	
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	79
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	120.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		82.5900	82.6600
		0	0
	Data Armoring:		
5.4	Straightening Length:	264.70001	
	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	81.3600
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	81.36000
	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	356.7200012
	Bank Height:	N.D.	4.709



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Reach: **T6.02**

<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:	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:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	28.6200008
	Bank Height:	N.D.	3.000

Reach: **T6.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1785	1071
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:	1511.39001	
	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:	357.6600	0.0000
	Berm:		
	Path:		
	Road:	357.6600	
	Railroad:		
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	



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Reach: **T6.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1464	1464
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		

Reach: **T6.06**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1852	1852
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		



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Reach: **M15**

<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>
		198	284
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:	400.89999	
	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:	118.4600	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	139.3200073
	Bank Height:	N.D.	4.470

Reach: **M16**

<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>
		52	133
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>
		171.610	772.770
		00	02
	Data Armoring:		
5.4	Straightening Length:	719.23999	
	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	869.7500
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	869.75000
	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	0.0000000
	Bank Height:	N.D.	0.000



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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:	33.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		263.959	157.910
		99	00
	Data Armoring:		
5.4	Straightening Length:	549.26001	
	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:	345.9600	65.5200
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	345.9600	65.52000
	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	895.1199951
	Bank Height:	N.D.	3.629

Reach: **M18**

<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>
		749	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	9.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		809.030	0.00000
		03	
	Data Armoring:		
5.4	Straightening Length:	1356.50000	
	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:	1128.0300	0.0000
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	1128.0300	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	384.2600098
	Bank Height:	N.D.	3.472



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Reach: **M19**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		117	117
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:		
	Path:		
	Road:		
	Railroad:		
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	
	Bank Height:	N.D.	

Reach: **T5.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:		
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		



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Reach: **T5.02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	Ledge	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		833	833
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:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	

Reach: **T5.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	Ledge	
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:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	



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Reach: **T5.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		

Reach: **T5.05**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		



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Reach: **T4.01**

<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>
		183	155
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	30.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		322.609	327.130
		99	00
	Data Armoring:		
5.4	Straightening Length:	958.76001	
	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:	213.5300	58.6500
	Berm:	213.5300	0.0000
	Path:	0.000	0.000
	Road:	0.0000	58.65000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	398.3000	0.0000
6.4	Miander Migration:	Flood Chute	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	395.4800110
	Bank Height:	N.D.	4.656

Reach: **T4.02**

<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>
		58	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	13.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		54.4000	0.00000
		0	
	Data Armoring:		
5.4	Straightening Length:	356.92999	
	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:	735.8000	0.0000
	Berm:	0.0000	0.0000
	Path:	49.070	0.000
	Road:	686.7300	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	54.0800	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	521.5100098
	Bank Height:	N.D.	5.423



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Reach: **T4.03**

<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>
		0	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	81.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		113.980	100.310
		00	00
	Data Armoring:		
5.4	Straightening Length:	648.77002	
	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	121.3400
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	0.0000	121.34000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	82.2900	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	492.3900146
	Bank Height:	N.D.	3.501

Reach: **T4.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:	0.0000	0.0000
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	174.8500	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	



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Reach: **T4.05**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		

Reach: **T2.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	Yes	
3.2	Grade Control:	Waterfall	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		650	843
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	3	
	Total Length:	57.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		689.200	462.650
		01	02
	Data Armoring:		
5.4	Straightening Length:	2063.33984	
	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	1025.1000
	Berm:	0.0000	518.1000
	Path:	0.000	37.470
	Road:	0.0000	469.52997
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	0.0000	1295.9000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	898.4400024
	Bank Height:	N.D.	4.747



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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:	Multiple	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		1136	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	38.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		860.839	88.7100
		97	0
	Data Armoring:		
5.4	Straightening Length:	3358.38989	
	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	2582.1201
	Berm:	0.0000	669.7400
	Path:	0.000	0.000
	Road:	0.0000	1912.38000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	668.2600	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	2618.719970
			7
	Bank Height:	N.D.	5.624

Reach: **T2.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:	None	
3.2	Grade Control:	Waterfall	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		803	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	46.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		979.100	335.870
		04	00
	Data Armoring:		
5.4	Straightening Length:	2243.28003	
	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	828.5300
	Berm:	0.0000	774.8200
	Path:	0.000	0.000
	Road:	0.0000	53.71000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	691.9800	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	1934.050048
			8
	Bank Height:	N.D.	5.421



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Reach: **T2.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		

Reach: **T1.01**

<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>
		0	714
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	38.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		63.4200	425.700
		0	01
	Data Armoring:		
5.4	Straightening Length:	1325.73999	
	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:	1001.1600	75.5300
	Berm:	0.0000	0.0000
	Path:	727.900	0.000
	Road:	273.2600	75.53000
	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	697.2500000
	Bank Height:	N.D.	3.521



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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:	Multiple	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	1456
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	27.000	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	1020.52997
	Data Armoring:		
5.4	Straightening Length:	2152.06006	
	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:	2173.6499	105.3900
	Berm:	0.0000	0.0000
	Path:	0.000	0.000
	Road:	2173.6499	105.39000
	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	943.8400269
	Bank Height:	N.D.	6.113

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>
		899	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>
		540.37000	0.00000
	Data Armoring:		
5.4	Straightening Length:	2759.18018	
	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:	2513.5701	0.0000
	Berm:	1030.7900	0.0000
	Path:	0.000	0.000
	Road:	1482.7800	0.00000
	Railroad:	0.0000	0.00
6.2	Corridor Development Data:		
	Length:	121.1400	0.0000
6.4	Miander Migration:	Multiple	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	983.7700195
	Bank Height:	N.D.	4.731



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Reach: **T1.S2.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		786	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	43.480	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		966.750	956.870
		00	00
	Data Armoring:		
5.4	Straightening Length:	1032.58997	
	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:	399.4000	0.0000
	Berm:		
	Path:		
	Road:	399.4000	
	Railroad:		
6.2	Corridor Development Data:		
	Length:	146.8800	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	Low	366.3200073
	Bank Height:	Low	0.000

Reach: **T1.S2.02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		503	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		



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Reach: **T1.S2.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		

Reach: **T1.S2.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		



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Reach: **T1.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		23	0
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	14.170	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	141.78999	
	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:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	

Reach: **T1.05**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		54	54
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	Straightening Data:		

<u>Step</u>	<u>Description</u>	<u>Value</u>	
5.5	Dredging History:		
6.1	Berms & Roads Data:		
		<u>One Side</u>	<u>Both Sides</u>
	Berms & Roads:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		



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Reach: **T1.06**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		

Reach: **T1.07**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		302	907
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	50.830	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
		0.00000	0.00000
	Data Armoring:	None	
5.4	Straightening Length:	255.16000	
	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:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	193.7500	0.0000
6.4	Miander Migration:		Not Evaluated
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	



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Reach: **T1.08**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:		
	Berm:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:		
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:		
	Bank Height:		

Reach: **T1.S1.01**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		0	26
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	1	
	Total Length:	29.340	
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:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	



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Reach: **T1.S1.02**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:	2	
	Total Length:	63.100	
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:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	

Reach: **T1.S1.03**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
3.2	Grade Control:	None	
4.3	Buffer Less Than 25 ft	<u>Left</u>	<u>Right</u>
		533	266
5.1	Flow Regulation - Type:	None	
	Use:		
5.2	# of Bridges or Culverts:	2	
	Total Length:	75.600	
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:		
	Path:		
	Road:		
	Railroad:		
6.2	Corridor Development Data:		
	Length:	0.0000	0.0000
6.4	Miander Migration:	Not Evaluated	
		<u>Old</u>	<u>New</u>
7.2	Bank Erosion:	None	
	Bank Height:	N.D.	



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Reach: **T1.S1.04**

<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		
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:		
	Total Length:		
5.3	Armoring Length	<u>Left</u>	<u>Right</u>
	Data Armoring:		
5.4	Straightening Length:		
	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:	
	Berm:	
	Path:	
	Road:	
	Railroad:	
6.2	Corridor Development Data:	
	Length:	
6.4	Miander Migration:	Not Evaluated
		<u>Old</u> <u>New</u>
7.2	Bank Erosion:	
	Bank Height:	