



Stream Geomorphic Assessment

Agency of Natural Resources



Vermont.gov
June, 17 2026

Phase 1 - FIT - Legacy Data Report

Castleton River

SGAT Version: 3

Reach: T02.01		
<u>Step</u>	<u>Description</u>	<u>Value</u>
3.1	Alluvial Fan: None	
3.2	Grade Control: Ledge	
5.2	# of Bridges or Culverts: 2	
	Total Length: 101.340	
5.3	Armoring Length	<u>Left</u> <u>Right</u>
		0.00000 0.00000
	Data Armoring: None	
5.4	Straightening Length: 452.26001	
	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: 282.9800	0.0000
6.2	Dev. Length: 0.0000	307.0900
	Corridor Development Data:	
		<u>Old</u> <u>New</u>
7.2	Bank Erosion: N.S.	238.6900024
	Bank Height: Medium	11.842

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SGAT Version: 3

Reach: T02.02		
<u>Step</u>	<u>Description</u>	<u>Value</u>
3.1	Alluvial Fan: None	
3.2	Grade Control: Ledge	
5.2	# of Bridges or Culverts: 0	
	Total Length: 0.000	
5.3	Armoring Length	<u>Left</u> <u>Right</u>
		352.470 908.929
		00 99
	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: 598.5300	0.0000
6.2	Dev. Length: 1485.3900	446.1000
	Corridor Development Data:	
		<u>Old</u> <u>New</u>
7.2	Bank Erosion: N.S.	7299.9897461
	Bank Height: High	20.611



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Reach: T02.03				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	No Data
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	Multiple			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	4			Berms & Roads:	1424.5100 1013.5700
	Total Length:	151.040		6.2	Dev. Length:	242.2300 1717.4800
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
		1012.85	1063.57		<u>Old</u>	<u>New</u>
		999	007	7.2	Bank Erosion:	None 0.0000000
	Data Armoring:				Bank Height:	N.D. 0.000
5.4	Straightening Length:	0.00000				
	Straightening Data:	None				

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SGAT Version: 3

Reach: T02.04				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	1			Berms & Roads:	3561.4600 340.3700
	Total Length:	79.000		6.2	Dev. Length:	507.8400 407.5000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
		805.739	266.709		<u>Old</u>	<u>New</u>
		99	99	7.2	Bank Erosion:	N.S. 141.8200073
	Data Armoring:				Bank Height:	Low 4.464
5.4	Straightening Length:	252.59000				
	Straightening Data:					



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SGAT Version: 3

Reach: T02.05		<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:	3461.3501 0.0000
		6.2	Dev. Length:	0.0000 0.0000
			Corridor Development Data:	
			<u>Old</u>	<u>New</u>
		7.2	Bank Erosion:	N.S. 3971.3798828
			Bank Height:	Low 3.665
<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:			None
3.2	Grade Control:			None
5.2	# of Bridges or Culverts:			1
	Total Length:			18.000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	
		51.7800	406.970	
		0	00	
	Data Armoring:			
5.4	Straightening Length:			805.59998
	Straightening Data:			

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SGAT Version: 3

Reach: T02.06		<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:	475.3700 0.0000
		6.2	Dev. Length:	212.6000 101.0400
			Corridor Development Data:	
			<u>Old</u>	<u>New</u>
		7.2	Bank Erosion:	N.S. 3019.2700195
			Bank Height:	Low 4.000
<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:			None
3.2	Grade Control:			None
5.2	# of Bridges or Culverts:			2
	Total Length:			116.000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	
		292.730	813.279	
		01	97	
	Data Armoring:			
5.4	Straightening Length:			423.29999
	Straightening Data:			



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SGAT Version: 3

Reach: T02.07			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	No Data
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	1		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	917.290		Berms & Roads:	279.4800 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	390.4500 75.0000
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	887.59003	7.2	Bank Erosion:	None
	Straightening Data:			Bank Height:	N.D.

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SGAT Version: 3

Reach: T02.08			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	None
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	3		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	500.000		Berms & Roads:	5138.5298 57.4800
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	54.8900 223.9000
		958.940 580.890		Corridor Development Data:	
	Data Armoring:	00 01		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	2000.23999	7.2	Bank Erosion:	High 0.0000000
	Straightening Data:			Bank Height:	Low 0.000



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Reach: T02.08-s1.01			<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: Yes		6.1	Berms & Roads Data:	
3.2	Grade Control: Multiple			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts: 5			Berms & Roads: 1280.3600	0.0000
	Total Length: 138.730		6.2	Dev. Length: 827.8000	199.8800
5.3	Armoring Length			Corridor Development Data:	
		<u>Left</u>		<u>Old</u>	<u>New</u>
		104.960		7.2	Bank Erosion: N.S.
		00		Bank Height: Low	884.5399780
	Data Armoring:	356.310			2.293
		00			
5.4	Straightening Length: 2862.28003				
	Straightening Data:				

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SGAT Version: 3

Reach: T02.08-s1.02			<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: Yes		6.1	Berms & Roads Data:	
3.2	Grade Control: Multiple			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts: 1			Berms & Roads: 2086.6001	0.0000
	Total Length: 29.980		6.2	Dev. Length: 1126.3700	95.1700
5.3	Armoring Length			Corridor Development Data:	
		<u>Left</u>		<u>Old</u>	<u>New</u>
		2382.05		7.2	Bank Erosion: N.S.
		005		Bank Height: Low	529.9099731
	Data Armoring:	437.480			4.679
		01			
5.4	Straightening Length: 2410.89990				
	Straightening Data:				



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SGAT Version: 3

Reach: T02.08-s1.03			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None
3.1	Alluvial Fan:	None	6.1	Berms & Roads Data:	
3.2	Grade Control:	Multiple		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	0		Berms & Roads:	110.5300 0.0000
	Total Length:	0.000	6.2	Dev. Length:	0.0000 14.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		142.140 0.00000		<u>Old</u>	<u>New</u>
	Data Armoring:		7.2	Bank Erosion:	None 0.0000000
5.4	Straightening Length:	0.00000		Bank Height:	N.D. 0.000
	Straightening Data:	None			

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SGAT Version: 3

Reach: T02.08-s1.04			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	No Data
3.1	Alluvial Fan:	None	6.1	Berms & Roads Data:	
3.2	Grade Control:	Multiple		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	1		Berms & Roads:	217.8600 0.0000
	Total Length:	21.640	6.2	Dev. Length:	0.0000 56.6300
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		28.0500 82.7200		<u>Old</u>	<u>New</u>
	Data Armoring:		7.2	Bank Erosion:	N.S. 48.6300011
5.4	Straightening Length:	731.41998		Bank Height:	Low 2.239
	Straightening Data:				



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Reach: T02.08-s1.05				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None		5.5	Dredging History:	Dredging
3.2	Grade Control:	Multiple		6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	1			<u>One Side</u>	<u>Both Sides</u>
	Total Length:	30.370			Berms & Roads:	398.0800 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Dev. Length:	0.0000 87.9900
		242.929	95.5400		Corridor Development Data:	
		99	0		<u>Old</u>	<u>New</u>
	Data Armoring:			7.2	Bank Erosion:	N.S. 678.1799927
5.4	Straightening Length:	1079.38000			Bank Height:	Low 2.351
	Straightening Data:					

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Reach: T02.09				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None		5.5	Dredging History:	None
3.2	Grade Control:	Multiple		6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	3			<u>One Side</u>	<u>Both Sides</u>
	Total Length:	180.000			Berms & Roads:	2013.1300 373.6500
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Dev. Length:	1856.0400 547.9800
		1328.05	1184.22		Corridor Development Data:	
		005	998		<u>Old</u>	<u>New</u>
	Data Armoring:			7.2	Bank Erosion:	N.S. 2641.3999023
5.4	Straightening Length:	3240.12988			Bank Height:	Low 3.658
	Straightening Data:					



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SGAT Version: 3

Reach: T02.10				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	Ledge			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	2			Berms & Roads:	140.2200 499.9600
	Total Length:	112.000		6.2	Dev. Length:	354.6500 184.1900
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
		401.729	216.460		<u>Old</u>	<u>New</u>
		98	01	7.2	Bank Erosion:	Low 974.2299805
	Data Armoring:				Bank Height:	Low 2.000
5.4	Straightening Length:	995.84998				
	Straightening Data:					

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SGAT Version: 3

Reach: T02.11				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Gravel Mining
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	4			Berms & Roads:	10691.870 823.3800
	Total Length:	22.000			1	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Dev. Length:	170.5100 343.7800
		2011.46	1798.90		Corridor Development Data:	
		997	002		<u>Old</u>	<u>New</u>
	Data Armoring:			7.2	Bank Erosion:	N.S. 993.0499878
5.4	Straightening Length:	10430.54004			Bank Height:	Low 2.220
	Straightening Data:					



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Reach: T02.11-s1.01			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Multiple
3.1	Alluvial Fan:	Yes	6.1	Berms & Roads Data:	
3.2	Grade Control:	None		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	0		Berms & Roads:	1307.9000 0.0000
	Total Length:	0.000	6.2	Dev. Length:	0.0000 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		0.00000 0.00000		<u>Old</u>	<u>New</u>
	Data Armoring:	None	7.2	Bank Erosion:	None 0.0000000
5.4	Straightening Length:	1336.76001		Bank Height:	N.D. 0.000
	Straightening Data:				

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Castleton River

SGAT Version: 3

Reach: T02.11-s1.02			<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:	Yes	6.1	Berms & Roads Data:	
3.2	Grade Control:	Ledge		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	1		Berms & Roads:	1126.4100 273.7000
	Total Length:	24.120	6.2	Dev. Length:	0.0000 27.1100
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		27.9300 27.9500		<u>Old</u>	<u>New</u>
	Data Armoring:	0 0	7.2	Bank Erosion:	N.S. 565.2799683
5.4	Straightening Length:	493.73999		Bank Height:	Low 3.072
	Straightening Data:				



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Reach: T02.11-s1.03			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	None
3.2	Grade Control:	Ledge	6.1	Berms & Roads Data:	None
5.2	# of Bridges or Culverts:	1		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	310.050		Berms & Roads:	
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	0.0000 0.0000
	Data Armoring:	None		Corridor Development Data:	
5.4	Straightening Length:			<u>Old</u>	<u>New</u>
	Straightening Data:	None	7.2	Bank Erosion:	None
				Bank Height:	High

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SGAT Version: 3

Reach: T02.11-s1.04			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	Yes	5.5	Dredging History:	None
3.2	Grade Control:	Multiple	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	3		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	42.790		Berms & Roads:	558.3100 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	68.0300 114.9100
		41.4100 32.8100		Corridor Development Data:	
		0 0		<u>Old</u>	<u>New</u>
	Data Armoring:		7.2	Bank Erosion:	N.S. 285.6099854
5.4	Straightening Length:	549.42999		Bank Height:	Low 2.601
	Straightening Data:				



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Reach: T02.11-s1.05				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	None
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	Ledge			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	0			Berms & Roads:	2476.0000
	Total Length:	0.000		6.2	Dev. Length:	0.0000 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
	Data Armoring:	None			<u>Old</u>	<u>New</u>
5.4	Straightening Length:			7.2	Bank Erosion:	None
	Straightening Data:	None			Bank Height:	Medium

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SGAT Version: 3

Reach: T02.12				<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>
5.2	# of Bridges or Culverts:	6			Berms & Roads:	6921.2500 683.6000
	Total Length:	0.000		6.2	Dev. Length:	51.5300 461.9400
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
	Data Armoring:				<u>Old</u>	<u>New</u>
		260.320	226.310	7.2	Bank Erosion:	N.S. 256.3000183
		01	00		Bank Height:	Low 1.407
5.4	Straightening Length:	3263.50000				
	Straightening Data:					



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SGAT Version: 3

Reach: T02.13			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	None
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	5		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	714.340		Berms & Roads:	6870.7900 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	683.3100 265.3100
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	7620.16016	7.2	Bank Erosion:	None
	Straightening Data:			Bank Height:	N.D.

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Reach: T02.14			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	Not Evaluated
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	3		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	536.870		Berms & Roads:	2133.0601 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	513.3400 0.0000
		321.320 0.00000		Corridor Development Data:	
	Data Armoring:	01		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	4086.70996	7.2	Bank Erosion:	None
	Straightening Data:			Bank Height:	N.D.



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Reach: T02.15		<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		None	
3.2	Grade Control:		None	
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:	Not Evaluated		
6.1	Berms & Roads Data:		None	
		<u>One Side</u>	<u>Both Sides</u>	
	Berms & Roads:	0.0000	0.0000	
6.2	Dev. Length:	337.3000	0.0000	
	Corridor Development Data:			
		<u>Old</u>	<u>New</u>	
7.2	Bank Erosion:	None		
	Bank Height:	N.D.		

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Castleton River

SGAT Version: 3

Reach: T02.16		<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	
3.1	Alluvial Fan:		None	
3.2	Grade Control:		None	
5.2	# of Bridges or Culverts:		3	
	Total Length:		530.850	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	
		329.600	0.00000	
		01		
	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:	866.1100	0.0000	
6.2	Dev. Length:	979.9600	0.0000	
	Corridor Development Data:			
		<u>Old</u>	<u>New</u>	
7.2	Bank Erosion:	None		
	Bank Height:	N.D.		



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Reach: T02.17			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	None
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	4		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	532.680		Berms & Roads:	376.4300 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	638.7000 0.0000
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	2902.18994	7.2	Bank Erosion:	None
	Straightening Data:			Bank Height:	N.D.

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SGAT Version: 3

Reach: T02.09-s1.01			<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	None
3.2	Grade Control:	Ledge	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	4		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	101.000		Berms & Roads:	3022.5999 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	748.1600 794.2700
		1898.44 755.409		Corridor Development Data:	
		995 97		<u>Old</u>	<u>New</u>
	Data Armoring:		7.2	Bank Erosion:	N.S. 877.5599976
5.4	Straightening Length:	3833.85010		Bank Height:	Low 4.406
	Straightening Data:				



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Reach: T02.09-s1.02		<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>		<u>Description</u>	<u>Value</u>
3.1	Alluvial Fan:			None
3.2	Grade Control:			Multiple
5.2	# of Bridges or Culverts:			0
	Total Length:			0.000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	
		49.3100	0.00000	
		0		
	Data Armoring:			
5.4	Straightening Length:			1454.78003
	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:	1322.0699 0.0000
		6.2	Dev. Length:	144.6500 23.3900
			Corridor Development Data:	
			<u>Old</u>	<u>New</u>
		7.2	Bank Erosion:	N.S. 1180.9799805
			Bank Height:	Low 1.841

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SGAT Version: 3

Reach: T02.09-s1.03		<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>		<u>Description</u>	<u>Value</u>
3.1	Alluvial Fan:			None
3.2	Grade Control:			None
5.2	# of Bridges or Culverts:			3
	Total Length:			677.090
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:	2774.4102 0.0000
		6.2	Dev. Length:	0.0000 1424.8401
			Corridor Development Data:	
			<u>Old</u>	<u>New</u>
		7.2	Bank Erosion:	None
			Bank Height:	N.D.



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Reach: T02.09-s1.04				<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:	Ledge			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	0			Berms & Roads:	0.0000 626.1300
	Total Length:	0.000		6.2	Dev. Length:	0.0000 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
		21.5100	0.00000		<u>Old</u>	<u>New</u>
		0		7.2	Bank Erosion:	High 2475.0400391
	Data Armoring:				Bank Height:	Low 3.250
5.4	Straightening Length:	1831.97998				
	Straightening Data:					

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SGAT Version: 3

Reach: T02.09-s1.04-s1.01				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	No Data
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	Ledge			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	1			Berms & Roads:	338.2400 0.0000
	Total Length:	268.290		6.2	Dev. Length:	412.6800 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
		0.00000	0.00000		<u>Old</u>	<u>New</u>
	Data Armoring:	None		7.2	Bank Erosion:	None
5.4	Straightening Length:	0.00000			Bank Height:	N.D.
	Straightening Data:	None				



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Reach: T02.09-s1.04-s1.02			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	No Data
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	1		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	496.250		Berms & Roads:	2570.7200 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	629.6400 0.0000
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	0.00000	7.2	Bank Erosion:	None
	Straightening Data:	None		Bank Height:	N.D.

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SGAT Version: 3

Reach: T02.09-s1.04-s1.03			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	No Data
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	1		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	231.850		Berms & Roads:	2058.8999 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	862.0200 0.0000
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	0.00000	7.2	Bank Erosion:	None
	Straightening Data:	None		Bank Height:	N.D.



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Reach: T02.09-s1.04-s1.04				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	No Data
3.1	Alluvial Fan:	None		6.1	Berms & Roads Data:	
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	0			Berms & Roads:	2042.0000
	Total Length:	0.000		6.2	Dev. Length:	0.0000 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
	Data Armoring:	No Data			<u>Old</u>	<u>New</u>
5.4	Straightening Length:			7.2	Bank Erosion:	None
	Straightening Data:	None			Bank Height:	High

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SGAT Version: 3

Reach: T02.09-s1.04-s1.01-s1.01				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	No Data
3.1	Alluvial Fan:	Yes		6.1	Berms & Roads Data:	
3.2	Grade Control:	None			<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	1			Berms & Roads:	1047.2500 0.0000
	Total Length:	268.470		6.2	Dev. Length:	0.0000 1389.1400
5.3	Armoring Length	<u>Left</u>	<u>Right</u>		Corridor Development Data:	
		0.00000	0.00000		<u>Old</u>	<u>New</u>
	Data Armoring:	None		7.2	Bank Erosion:	None
5.4	Straightening Length:	0.00000			Bank Height:	N.D.
	Straightening Data:	None				



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Reach: T02.09-s1.05				Step	Description	Value
	<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None		5.5	Dredging History:	None
3.2	Grade Control:	Ledge		6.1	Berms & Roads Data:	None
5.2	# of Bridges or Culverts:	1			<u>One Side</u>	<u>Both Sides</u>
	Total Length:	18.000			Berms & Roads:	0.0000 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Dev. Length:	0.0000 0.0000
		81.9400	37.5100		Corridor Development Data:	
		0	0		<u>Old</u>	<u>New</u>
	Data Armoring:			7.2	Bank Erosion:	N.S. 585.0800171
5.4	Straightening Length:	437.26001			Bank Height:	Low 1.755
	Straightening Data:					

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SGAT Version: 3

Reach: T02.09-s1.06				Step	Description	Value
	<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None		5.5	Dredging History:	None
3.2	Grade Control:	None		6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	1			<u>One Side</u>	<u>Both Sides</u>
	Total Length:	266.100			Berms & Roads:	1266.3101 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Dev. Length:	0.0000 0.0000
		0.00000	0.00000		Corridor Development Data:	
	Data Armoring:	None			<u>Old</u>	<u>New</u>
5.4	Straightening Length:	0.00000		7.2	Bank Erosion:	None
	Straightening Data:	None			Bank Height:	N.D.



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Reach: T02.09-s1.06-s1.01			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	None
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	0.000		Berms & Roads:	413.0300 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	262.9900 0.0000
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	0.00000	7.2	Bank Erosion:	None
	Straightening Data:	None		Bank Height:	N.D.

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Reach: T02.09-s1.06-s1.02			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	None
3.2	Grade Control:	None	6.1	Berms & Roads Data:	None
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	0.000		Berms & Roads:	
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	0.0000 0.0000
				Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:		7.2	Bank Erosion:	None
	Straightening Data:	None		Bank Height:	High



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SGAT Version: 3

Reach: T02.09-s1.07		<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:			None
3.2	Grade Control:			None
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:	No Data
		6.1	Berms & Roads Data:	
			<u>One Side</u>	<u>Both Sides</u>
			Berms & Roads:	468.9800 0.0000
		6.2	Dev. Length:	635.0800 0.0000
			Corridor Development Data:	
			<u>Old</u>	<u>New</u>
		7.2	Bank Erosion:	None
			Bank Height:	N.D.

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SGAT Version: 3

Reach: T02.09-s1.08		<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>			
3.1	Alluvial Fan:			None
3.2	Grade Control:			None
5.2	# of Bridges or Culverts:			1
	Total Length:			66.070
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:	No Data
		6.1	Berms & Roads Data:	
			<u>One Side</u>	<u>Both Sides</u>
			Berms & Roads:	1192.2500 0.0000
		6.2	Dev. Length:	498.0200 0.0000
			Corridor Development Data:	
			<u>Old</u>	<u>New</u>
		7.2	Bank Erosion:	None
			Bank Height:	N.D.



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Reach: T02.05-s1.01			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Not Evaluated
3.1	Alluvial Fan:	None	6.1	Berms & Roads Data:	
3.2	Grade Control:	None		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	2		Berms & Roads:	0.0000 1433.7900
	Total Length:	374.080	6.2	Dev. Length:	0.0000 1378.1899
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		581.520 0.00000		<u>Old</u>	<u>New</u>
		02	7.2	Bank Erosion:	None
	Data Armoring:			Bank Height:	N.D.
5.4	Straightening Length:	398.00000			
	Straightening Data:				

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SGAT Version: 3

Reach: T02.05-s1.02-s1.01			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Not Evaluated
3.1	Alluvial Fan:	None	6.1	Berms & Roads Data:	
3.2	Grade Control:	None		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	3		Berms & Roads:	596.7900 0.0000
	Total Length:	1061.080	6.2	Dev. Length:	1654.1000 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		0.00000 0.00000		<u>Old</u>	<u>New</u>
	Data Armoring:	None	7.2	Bank Erosion:	None
5.4	Straightening Length:	1208.80005		Bank Height:	N.D.
	Straightening Data:				



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Reach: T02.05-s1.02-s1.02			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	Not Evaluated
3.2	Grade Control:	None	6.1	Berms & Roads Data:	None
5.2	# of Bridges or Culverts:	1		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	149.330		Berms & Roads:	0.0000 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	0.0000 0.0000
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	0.00000	7.2	Bank Erosion:	None
	Straightening Data:	None		Bank Height:	N.D.

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SGAT Version: 3

Reach: T02.05-s1.02-s1.03			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	Not Evaluated
3.2	Grade Control:	None	6.1	Berms & Roads Data:	None
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	0.000		Berms & Roads:	
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	0.0000 0.0000
	Data Armoring:	Not Evaluated		Corridor Development Data:	
5.4	Straightening Length:			<u>Old</u>	<u>New</u>
	Straightening Data:	N.E.	7.2	Bank Erosion:	N.E.
				Bank Height:	N.E.



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Reach: T02.05-s1.02-s1.04				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None		5.5	Dredging History:	Not Evaluated
3.2	Grade Control:	None		6.1	Berms & Roads Data:	None
5.2	# of Bridges or Culverts:	0			<u>One Side</u>	<u>Both Sides</u>
	Total Length:	0.000			Berms & Roads:	
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Dev. Length:	0.0000 0.0000
	Data Armoring:	Not Evaluated			Corridor Development Data:	
5.4	Straightening Length:				<u>Old</u>	<u>New</u>
	Straightening Data:	N.E.		7.2	Bank Erosion:	N.E.
					Bank Height:	N.E.

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Castleton River

SGAT Version: 3

Reach: T02.05-s1.02-s1.05				<u>Step</u>	<u>Description</u>	<u>Value</u>
	<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None		5.5	Dredging History:	Not Evaluated
3.2	Grade Control:	None		6.1	Berms & Roads Data:	None
5.2	# of Bridges or Culverts:	3			<u>One Side</u>	<u>Both Sides</u>
	Total Length:	845.220			Berms & Roads:	0.0000 0.0000
5.3	Armoring Length	<u>Left</u>	<u>Right</u>	6.2	Dev. Length:	619.6300 257.5200
	Data Armoring:	None			Corridor Development Data:	
5.4	Straightening Length:	0.00000			<u>Old</u>	<u>New</u>
	Straightening Data:	None		7.2	Bank Erosion:	None
					Bank Height:	N.D.



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SGAT Version: 3

Reach: T02.05-s1.02-s1.06			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	Not Evaluated
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	0		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	0.000		Berms & Roads:	886.8900 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	803.4800 0.0000
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	0.00000	7.2	Bank Erosion:	None
	Straightening Data:	None		Bank Height:	N.D.

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Castleton River

SGAT Version: 3

Reach: T02.05-s1.02-s2.01			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>			
3.1	Alluvial Fan:	None	5.5	Dredging History:	Not Evaluated
3.2	Grade Control:	None	6.1	Berms & Roads Data:	
5.2	# of Bridges or Culverts:	2		<u>One Side</u>	<u>Both Sides</u>
	Total Length:	455.240		Berms & Roads:	703.1400 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>	6.2	Dev. Length:	443.4000 474.1400
		0.00000 0.00000		Corridor Development Data:	
	Data Armoring:	None		<u>Old</u>	<u>New</u>
5.4	Straightening Length:	0.00000	7.2	Bank Erosion:	None
	Straightening Data:	None		Bank Height:	N.D.



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SGAT Version: 3

Reach: T02.05-s1.02-s2.02		<u>Step</u>	<u>Description</u>	<u>Value</u>
		5.5	Dredging History:	Not Evaluated
3.1	Alluvial Fan:	6.1	Berms & Roads Data:	None
3.2	Grade Control:		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:		Berms & Roads:	
	Total Length:	6.2	Dev. Length:	0.0000 0.0000
5.3	Armoring Length		Corridor Development Data:	
			<u>Old</u>	<u>New</u>
	Data Armoring:	7.2	Bank Erosion:	N.E.
5.4	Straightening Length:		Bank Height:	N.E.
	Straightening Data:			

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SGAT Version: 3

Reach: T02.05-s1.02-s2.03		<u>Step</u>	<u>Description</u>	<u>Value</u>
		5.5	Dredging History:	Not Evaluated
3.1	Alluvial Fan:	6.1	Berms & Roads Data:	None
3.2	Grade Control:		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:		Berms & Roads:	0.0000 0.0000
	Total Length:	6.2	Dev. Length:	474.1000 0.0000
5.3	Armoring Length		Corridor Development Data:	
			<u>Old</u>	<u>New</u>
	Data Armoring:	7.2	Bank Erosion:	None
5.4	Straightening Length:		Bank Height:	N.D.
	Straightening Data:			



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SGAT Version: 3

Reach: T02.05-s1.02-s2.04			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Not Evaluated
3.1	Alluvial Fan:	None	6.1	Berms & Roads Data:	
3.2	Grade Control:	None		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	0		Berms & Roads:	668.4700 0.0000
	Total Length:	0.000	6.2	Dev. Length:	218.5700 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		0.00000 0.00000		<u>Old</u>	<u>New</u>
	Data Armoring:	None	7.2	Bank Erosion:	None
5.4	Straightening Length:	0.00000		Bank Height:	N.D.
	Straightening Data:	None			

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Castleton River

SGAT Version: 3

Reach: T02.05-s1.02-s2.05			<u>Step</u>	<u>Description</u>	<u>Value</u>
<u>Step</u>	<u>Description</u>	<u>Value</u>	5.5	Dredging History:	Not Evaluated
3.1	Alluvial Fan:	None	6.1	Berms & Roads Data:	None
3.2	Grade Control:	None		<u>One Side</u>	<u>Both Sides</u>
5.2	# of Bridges or Culverts:	2		Berms & Roads:	0.0000 0.0000
	Total Length:	460.530	6.2	Dev. Length:	448.4700 0.0000
5.3	Armoring Length	<u>Left</u> <u>Right</u>		Corridor Development Data:	
		0.00000 0.00000		<u>Old</u>	<u>New</u>
	Data Armoring:	None	7.2	Bank Erosion:	None
5.4	Straightening Length:	0.00000		Bank Height:	N.D.
	Straightening Data:	None			