

**PRP Report and Strategy Plan for Willistown Township
MS4 Individual Permit Application 2018**

Appendix H - Amended 01-28-22

**Existing Loading Without Accounting for BMP's
& Summary Totals of All Watersheds with Proposed BMP's Sediment Removal**

CRUM CREEK WATERSHED EXISTING LOADING WITHOUT ACCOUNTING FOR ANY BMP'S

No.	SEWERSHED	DRAINAGE AREA (AC.)	AFFECTED STREAM	WATERSHED	IMPAIRED (Y OR N)	SEDIMENT LOADING WITHOUT BMP (LB/YR)
1	SSCC9	135.66	Trib. 00728 to Crum Creek	Crum Creek	Y	53,631.23
2	SSCC10	18.72	Trib. 00728 to Crum Creek	Crum Creek	Y	8,742.24
3	SSCC12	9.31	Trib. 00728 to Crum Creek	Crum Creek	Y	2,937.55
4	SSCC13	16.58	Trib. 00728 to Crum Creek	Crum Creek	Y	4,296.57
5	SSCC18	27.69	Trib. 00728 to Crum Creek	Crum Creek	Y	8,979.38
6	SSCC19	39.45	Trib. 00728 to Crum Creek	Crum Creek	Y	12,494.80
7	SSCC20 (East + West)	42.76	Crum Creek	Crum Creek	Y	10,415.44
8	SSCC33	132.62	Crum Creek	Crum Creek	Y	48,470.73
9	SSCC34 (East + West)	36.32	Crum Creek	Crum Creek	Y	11,896.63
10	SSCC36	30.27	Crum Creek	Crum Creek	Y	9,404.20
11	SSCC40	18.88	Trib. 00728 to Crum Creek	Crum Creek	Y	6,305.94
12	SSCC48	66.20	Trib. 00739 to Crum Creek	Crum Creek	Y	41,287.46
13	SSCCGTP	4.91	Trib. 00740 to Crum Creek	Crum Creek	Y	2,347.37
14	SSCC52	17.35	Trib. 00739 to Crum Creek	Crum Creek	Y	9,629.08
15	SSCC53	9.21	Trib. 00739 to Crum Creek	Crum Creek	Y	4,898.53
16	SSCC54	6.25	Trib. 00739 to Crum Creek	Crum Creek	Y	3,440.01
17	SSCC57	10.42	Trib. 00739 to Crum Creek	Crum Creek	Y	6,568.36
18	SSCC58	15.88	Trib. 00739 to Crum Creek	Crum Creek	Y	9,102.52
19	SSCC62	4.34	Trib. 00738 to Crum Creek	Crum Creek	Y	2,068.44
20	SSCC63	48.37	Trib. 00738 to Crum Creek	Crum Creek	Y	22,931.31
21	SSCC64	4.64	Trib. 00739 to Crum Creek	Crum Creek	Y	1,083.30
22	SSCC65	30.65	Trib. 00740 to Crum Creek	Crum Creek	Y	10,296.44
23	SSCC65A	4.16	Crum Creek	Crum Creek	Y	1,707.06
24	SSCC66	4.72	Trib. 00739 to Crum Creek	Crum Creek	Y	1,494.01
25	SSCC68	14.80	Trib. 00739 to Crum Creek	Crum Creek	Y	8,163.58
26	SSCC69	3.56	Trib. 00739 to Crum Creek	Crum Creek	Y	1,119.06
27	SSCC71	22.38	Unknown Trib. to Crum Creek	Crum Creek	Y	11,123.99
28	SSCC75	11.90	Crum Creek	Crum Creek	Y	2,495.10
29	SSCC76	10.69	Crum Creek	Crum Creek	Y	2,335.24
30	SSCCA.1 (EAST + WEST)	45.54	Crum Creek	Crum Creek	Y	14,579.98
31	SSCCA.6	14.59	Crum Creek	Crum Creek	Y	6,162.11
32	SSCCMRB	19.20	Trib. 00739 to Crum Creek	Crum Creek	Y	9,826.39
33	SSCCUNK2	0.92	Trib. 00739 to Crum Creek	Crum Creek	Y	419.19
34	SSCCSWALE	42.81	Trib. 00740 to CC	Crum Creek	Y	20,474.95
35	SSCCTR-A	33.34	Trib. 00740 to CC	Crum Creek	Y	15,831.81
36	SSCCTR-B	16.07	Trib. 01003 to LVC	Crum Creek	Y	16,079.10
37	SSCCTR-C	2.28	Trib. 00738 to CC	Crum Creek	Y	1,453.26
38	SSCCTR-D	2.04	Trib. 00738 to CC	Crum Creek	Y	1,011.08
39	SSCCTR-E	0.75	Trib. 00738 to CC	Crum Creek	Y	323.59
40	SSCCTR-F	2.37	Trib. 00738 to CC	Crum Creek	Y	1,111.76
41	SSCCTR-G	25.04	PADOT Road Paoli Pike to CC	Crum Creek	Y	12,327.17
42	SSCCTR-H	11.27	Trib. 00739 to CC	Crum Creek	Y	6,267.77
43	SSCCTR-H1	6.19	Trib. 00739 to CC	Crum Creek	Y	1,845.31
44	SSCCTR-I	15.19	Trib. 00739 to CC	Crum Creek	Y	6,784.15
45	SSCCTR-J	9.45	Crum Creek	Crum Creek	Y	2,448.80
46	SSCCTR-K	3.10	Trib. 00739 to CC	Crum Creek	Y	1,233.70
47	SSCCTR-L	14.22	Trib. 00738 to CC	Crum Creek	Y	2,841.70
48	SSCCTR-M	7.54	UNM Trib. To CC	Crum Creek	Y	1,395.80
49	SSCCTR-N	10.94	Trib. 00728 to CC	Crum Creek	Y	3,806.75
50	SSCCTR-O	33.54	Trib. 00728 to CC	Crum Creek	Y	9,202.70
51	SSCCTR-P	2.83	UNM Trib. To CC	Crum Creek	Y	772.77
52	SSCCTR-Q	4.72	UNM Trib. To CC	Crum Creek	Y	979.34
53	SSCCTR-R	12.48	Trib. 00728 to CC	Crum Creek	Y	2,906.00

TOTALS	1,135.11					459,750.81
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Required Minimum Load Reduction 10% Total						45,975.08
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NOTE: Sewersheds in Crum Creek Watershed Do Not Require a TMDL.

LITTLE VALLEY CREEK WATERSHED EXISTING LOADING WITHOUT ACCOUNTING FOR ANY BMP'S

No.	SEWERSHED	DRAINAGE AREA (AC.)	AFFECTED STREAM	WATERSHED	IMPAIRED (Y OR N)	SEDIMENT LOADING WITHOUT BMP (LB/YR)
1	SSLVC1a + SSLVC1b	22.05	Little Valley Creek to Valley Creek	Little Valley Creek - Valley Creek	Y	2,357.43
2	SSLVC5	25.48	Trib. 01003 to Little Valley Creek	Little Valley Creek - Valley Creek	Y	10,127.46
3	SSLVC6	16.91	Trib. 01002 to Little Valley Creek	Little Valley Creek - Valley Creek	Y	6,335.30
4	SSLVC8	5.36	Trib. 01004 to Little Valley Creek	Little Valley Creek - Valley Creek	Y	2,971.73
5	SSLVC10	19.36	Trib. 01004 to Little Valley Creek	Little Valley Creek - Valley Creek	Y	10,380.17
6	SSLVC11	4.32	Trib. 01004 to Little Valley Creek	Little Valley Creek - Valley Creek	Y	2,277.74
7	SSLVC12	4.55	Trib. 01004 to Little Valley Creek	Little Valley Creek - Valley Creek	Y	2,993.34
8	SSLVC13	25.03	Trib. 01002 to Little Valley Creek	Little Valley Creek - Valley Creek	Y	20,680.62
9	SSLVCTR-A	35.69	PADOT Road Lancaster Ave. to Valley Creek	Little Valley Creek - Valley Creek	Y	21,992.32
10	SSLVCTR-B	13.25	Trib. 01002 to Valley Creek	Little Valley Creek - Valley Creek	Y	6,926.49
11	SSLVCTR-C	37.75	Trib. 01002 to Valley Creek	Little Valley Creek - Valley Creek	Y	29,765.61
12	SSLVCTR-D	16.87	Trib. 01002 to Valley Creek	Little Valley Creek - Valley Creek	Y	4,469.03
13	SSLVCTR-E	14.03	PADOT Road West Central Ave. to Valley Creek	Little Valley Creek - Valley Creek	Y	16,638.42
14	SSLVCTR-F	0.98	Trib. 01002 to Valley Creek	Little Valley Creek - Valley Creek	Y	550.92
15	SSLVCTR-G	0.98	PADOT Road West Central Ave. to Valley Creek	Little Valley Creek - Valley Creek	Y	656.50
TOTALS		242.61				139,123.08
Required Minimum Load Reduction 10% Total						13,912.31

NOTE: Sewersheds in Little Valley Creek Watershed Do Not Require a TMDL.

RIDLEY CREEK WATERSHED EXISTING LOADING WITHOUT ACCOUNTING FOR ANY BMP'S

No.	SEWERSHED	DRAINAGE AREA (AC.)	AFFECTED STREAM	WATERSHED	IMPAIRED (Y OR N)	SEDIMENT LOADING WITHOUT BMP (LB/YR)
1	SSRC1	8.02	Ridley Creek	Ridley Creek	Y	3,739.67
2	SSRC2	7.39	Ridley Creek	Ridley Creek	Y	3,400.31
3	SSRC3	17.36	Ridley Creek	Ridley Creek	Y	6,763.57
4	SSRC4	62.44	Ridley Creek	Ridley Creek	Y	28,478.79
5	SSRC5	12.75	Ridley Creek	Ridley Creek	Y	5,237.14
6	SSRC6	21.53	Ridley Creek	Ridley Creek	Y	6,783.31
7	SSRC7	7.67	Trib. 00689 to E. Br. Ridley Creek	Ridley Creek	Y	2,858.30
8	SSRC8	30.76	Trib. 00689 to E. Br. Ridley Creek	Ridley Creek	Y	9,257.37
9	SSRC10	4.73	Trib. 00689 to E. Br. Ridley Creek	Ridley Creek	Y	2,129.29
10	SSRC12	7.06	Trib. 00689 to E. Br. Ridley Creek	Ridley Creek	Y	1,782.02
11	SSRC13	14.42	Trib. 00689 to E. Br. Ridley Creek	Ridley Creek	Y	3,800.64
12	SSRC22	15.51	Hunters Run 675	Ridley Creek	Y	4,366.13
13	SSRC23	24.39	Hunters Run	Ridley Creek	Y	5,681.93
14	SSRC24b	40.35	Trib. 00667 to Ridley Creek	Ridley Creek	Y	14,535.56
15	SSRC25a	7.71	Trib. 00667 to Ridley Creek	Ridley Creek	Y	3,367.18
16	SSRC25b	20.44	Trib. 00667 to Ridley Creek	Ridley Creek	Y	7,756.03
17	SSRC26	4.46	Trib. 00663 to Ridley Creek	Ridley Creek	Y	1,619.28
18	SSRC27	2.39	Trib. 00663 to Ridley Creek	Ridley Creek	Y	826.99
18	SSRC28	4.14	Trib. 00663 to Ridley Creek	Ridley Creek	Y	3,366.13
19	SSRCTR-A	10.74	Ridley Creek	Ridley Creek	Y	2,977.93
19	SSRCTR-B	24.09	Ridley Creek	Ridley Creek	Y	6,465.42
20	SSRCTR-C	42.93	Ridley Creek	Ridley Creek	Y	12,631.99
20	SSRCTR-D	22.17	Ridley Creek	Ridley Creek	Y	7,324.08
21	SSRCTR-E	22.95	Ridley Creek	Ridley Creek	Y	5,817.05
21	SSRCTR-F	46.62	Ridley Creek	Ridley Creek	Y	13,422.51
22	SSRCTR-G	5.19	Ridley Creek	Ridley Creek	Y	1,383.06
22	SSRCTR-H	40.34	Hunters Run	Ridley Creek	Y	9,750.75
23	SSRCTR-I	4.04	Ridley Creek	Ridley Creek	Y	1,025.01
23	SSRCTR-J	5.99	Ridley Creek	Ridley Creek	Y	3,774.58
24	SSRCTR-K	21.79	Ridley Creek	Ridley Creek	Y	9,629.12
24	SSRCTR-L	8.12	Ridley Creek	Ridley Creek	Y	4,197.13
25	SSRCTR-M	7.01	Ridley Creek	Ridley Creek	Y	3,211.20
25	SSRCTR-N	2.99	Ridley Creek	Ridley Creek	Y	1,213.34
26	SSRCTBF (Troutbeck Farm)	17.05	Unnamed Tributary	Ridley Creek	Y	9,134.36
27	SSRCWP (Willistown Point)	13.16	Tributary 00672	Ridley Creek	Y	15,329.26

TOTALS		578.49				223,036.45
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Required Minimum Load Reduction 10% Total						22,303.65
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NOTE: Sewersheds in Ridely Creek Watershed Do Not Require a TMDL.

TOTALS OF ALL WATERSHEDS EXISTING LOADING WITHOUT ACCOUNTING FOR ANY BMP'S

No.	WATERSHED	DRAINAGE AREA (AC.)	AFFECTED STREAM	IMPAIRED (Y OR N)	SEDIMENT LOADING WITHOUT BMP (LB/YR)
1	Crum Creek	1,135.11	Crum Creek	Y	459,750.81
2	Little Valley Creek	242.61	Little Valley Creek	Y	139,123.08
3	Ridley Creek	578.49	Ridley Creek	Y	223,036.45

TOTALS		1,956.21			821,910.34
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Required Minimum Load Reduction 10% Total					82,191.03
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SUMMARY TOTALS OF ALL WATERSHEDS WITH PROPOSED BMP'S SEDIMENT REMOVAL

No.	WATERSHED	DRAINAGE AREA (AC.)	AFFECTED STREAM	IMPAIRED (Y OR N)	BMP'S SEDIMENT REMOVED (LB/YR)
1	Crum Creek	1,135.11	Crum Creek	Y	51,198
2	Little Valley Creek	242.61	Little Valley Creek	Y	16,146.75
3	Ridley Creek	578.49	Ridley Creek	Y	23,489.89

TOTALS		1,956.21			90,834.32
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Net Reduction	8,643.28
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10% Minimum Requirement Met	YES
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NOTES: 1. Watersheds Do Not Require a TMDL.
 2. Drainage Area Total of All MS4 Sewersheds.