

Table 4.06-1 TSS Loading Results for Baseline and Existing Controls Conditions

Basin	Total MS4 Area ¹ (acres)	Off-Site Drainage Area ² (acres)	Exempt MS4 Area ³ (acres)	UWW Area (acres)	Regulatory MS4 Area ⁴ (acres)	2016 Baseline Conditions			Existing Conditions			Percent Reduction (%)	Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)	5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)				
CL-1	11.9	0.0	0.0		11.9	17,740	3,548	299	14,287	2,857	241	19.5	Sandy	SS, CB	--
CL-1.1	0.2	0.0	0.0		0.2	143	29	176	0	0	0	100.0	Sandy	BF	--
CL-10	0.3	0.0	0.0		0.3	1,300	260	933	748	150	537	42.4	Silty	SS, CB	--
CL-11	79.5	0.0	79.5		--	--	--	--	--	--	--	--	Silty	Exempt	--
CL-12	4.2	0.0	4.2		--	--	--	--	--	--	--	--	Sandy	Exempt	--
CL-13	8.2	0.0	8.2		--	--	--	--	--	--	--	--	Silty	Exempt	--
CL-14	39.2	0.0	39.2		--	--	--	--	--	--	--	--	Silty	Exempt	--
CL-15	5.3	0.0	0.0		5.3	5,311	1,062	200	1,759	352	66	66.9	Silty	WP	--
CL-2	10.8	0.0	0.0		10.8	13,607	2,721	252	9,844	1,969	182	27.7	Sandy	SS, CB	--
CL-3	27.3	0.0	0.0		27.3	42,242	8,448	309	891	178	7	97.9	Silty	SS, GS, WP, CB	3.04
CL-4.1, CL-4.2, CL-4.3, CL-4.4, and CL-4.5	203.4	0.0	0.0		203.4	284,499	56,900	280	144,094	28,819	142	49.4	Silty	SS, GS, CB, WP, BF	3.04
CL-5	0.8	0.0	0.0		0.8	881	176	234	818	164	217	7.1	Silty	SS	--
CL-6	11.5	0.0	0.0		11.5	9,340	1,868	163	4,216	843	74	54.9	Silty	SS, GS	3.04
CL-7	3.2	0.0	0.0		3.2	3,728	746	230	3,174	635	196	14.9	Silty	SS	--
CL-8	4.1	0.0	0.0		4.1	4,826	965	238	3,540	708	175	26.6	Sandy	SS, CB	--
CL-9	1.3	0.0	0.0		1.3	1,475	295	230	1,475	295	230	0.0	Silty	--	--
GC-1	61.5	0.0	0.4		61.1	138,137	27,627	452	116,357	23,271	381	15.8	Sandy	SS	--
GC-1.1	2.3	0.0	1.5		0.8	3,540	708	857	202	40	49	94.3	Sandy	SS, GS	3.6
GC-1.2	1.3	0.0	0.0		1.3	3,025	605	463	42	8	6	98.6	Sandy	BF	--
GC-10.1, GC-10.5, GC-12 CITY, GC-12 UW, and GC-9.1	102.3	0.0	10.7	4.1	87.5	113,543	22,709	260	10,216	2,043	23	91.0	Sandy	WP, GS, SS	3.04, 0.13
GC-10.2	16.4	0.0	0.1		16.3	16,487	3,297	202	1,426	285	18	91.4	Sandy	BF, SS	--
GC-10.3	4.0	0.0	0.0		4.0	357	71	18	357	71	18	0.0	Sandy	SS	--
GC-10.4	6.3	0.0	0.0		6.3	4,859	972	155	713	143	23	85.3	Sandy	SS	--
GC-13 CITY	73.1	0.0	73.1		--	--	--	--	--	--	--	--	Sandy	Exempt	--
GC-14	185.0	0.0	185.0		--	--	--	--	--	--	--	--	Sandy	Exempt	--
GC-14.1	2.2	0.0	0.1		2.1	10,435	2,087	1001	0	0	0	100.0	Silty	SS, GS	3.04
GC-2	157.3	0.0	8.0		149.3	170,329	34,066	228	138,387	27,677	185	18.8	Silty	SS, GS	0.13
GC-2.1	13.4	0.0	13.4		--	--	--	--	--	--	--	--	Silty	Exempt	--
GC-2.2	1.0	0.0	0.0		1.0	2,956	591	605	735	147	150	75.1	Silty	WP	--
GC-2.3	1.5	0.0	0.0		1.5	3,946	789	511	948	190	123	76.0	Silty	WP	--
GC-3	5.8	0.0	2.5		3.2	7,728	1,546	481	395	79	25	94.9	Sandy	SS, GS	3.04
GC-3.1	126.5	0.0	126.5		--	0	0	--	0	0	--	0.0	Sandy	Exempt	--
GC-4	8.1	0.0	0.0		8.1	7,353	1,471	181	6,430	1,286	158	12.5	Silty	SS	--
GC-5	5.2	0.0	0.0		5.2	5,826	1,165	226	4,774	955	185	18.0	Sandy	SS	--
GC-5.1	5.2	0.0	0.0		5.2	10,344	2,069	401	8,376	1,675	325	19.0	Sandy	SS	--
GC-6	36.6	0.0	0.0		36.6	58,641	11,728	320	43,763	8,753	239	25.4	Sandy	SS	--
GC-7	158.7	0.0	158.7		--	--	--	--	--	--	--	--	Silty	Exempt	--

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						5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)	5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)				
GC-7.1, GC-7.2, GC-7.3, and GC-7.4	21.7	0.0	5.7		15.9	21,062	4,212	264	1,204	241	15	94.3	Silty	SS, BF, WP, CB	--
GC-7.10	0.7	0.0	0.0		0.7	1,640	328	465	742	148	211	54.8	Silty	BF	--
GC-7.5	9.7	0.0	0.0		9.7	23,655	4,731	486	8,924	1,785	183	62.3	Silty	WP	--
GC-7.6	3.8	0.0	0.0		3.8	10,050	2,010	528	6,712	1,342	353	33.2	Silty	HDS, CB	--
GC-7.7	5.7	0.0	0.0		5.7	16,935	3,387	594	5,400	1,080	189	68.1	Silty	WP	--
GC-7.8	0.5	0.0	0.0		0.5	1,437	287	597	1,027	205	427	28.5	Silty	CB	--
GC-8	44.0	0.0	44.0		--	--	--	--	--	--	--	--	Sandy	Exempt	--
GC-8.1	3.5	0.0	0.0		3.5	3,303	661	190	138	28	8	95.8	Sandy	WP	--
GC-8.2	5.1	0.0	0.0		5.0	3,589	718	142	254	51	10	92.9	Sandy	WP	--
GC-8.3	6.2	0.0	0.2		6.0	3,791	758	126	0	0	0	100.0	Sandy	SS, BF	--
GC-9	42.2	0.0	42.2		--	--	--	--	--	--	--	--	Sandy	Exempt	--
SB-1	12.9	0.0	0.2		12.8	16,816	3,363	264	12,870	2,574	202	23.5	Silty	SS, CB	--
SB-1.1	7.2	0.0	2.4		4.8	4,202	840	174	1,335	267	55	68.2	Silty	WP, SC	--
SB-11	83.5	0.0	66.6		16.9	13,608	2,722	161	12,383	2,477	147	9.0	Silty	SS	--
SB-11.1	3.4	0.0	0.5		2.9	8,289	1,658	562	6,333	1,267	430	23.6	Silty	SS	--
SB-2	10.1	0.0	0.0		10.1	11,962	2,392	237	10,386	2,077	206	13.2	Silty	SS	--
SB-3.1, SB-3.2, and SB-3.3	106.2	0.0	13.4		92.8	143,899	28,780	310	70,225	14,045	151	51.2	Silty	SS, DP, WP, GS	3.04
SB-4	31.3	0.0	31.3		--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-4.1	9.3	0.0	0.0		9.3	24,436	4,887	525	21,090	4,218	453	13.7	Silty	SS, GS	3.04
SB-4.2	1.6	0.0	0.0		1.6	4,649	930	584	1,094	219	137	76.5	Silty	WP	--
SB-4.3	1.6	0.0	0.0		1.6	4,754	951	610	1,072	214	138	77.5	Silty	WP	--
SB-6	222.2	0.0	222.2		--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-7	15.1	0.0	15.1		--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-8	29.1	0.0	29.1		--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-5 and SB-10	97.3	0.0	8.0		89.4	122,826	24,565	275	27,343	5,469	61	77.7	Silty	WP	--
SB-8.1 and SB-8.1 OS	9.5	4.3	3.3		1.9	3,997	799	413	21	4	2	99.5	Silty	SS, GS	3.04
SB-9	36.6	0.0	36.6		--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-9.1	1.3	0.0	0.3		1.0	2,345	469	462	9	2	2	99.6	Sandy	SS, GS	3.04
TL-1	10.7	0.0	0.0		10.7	10,284	2,057	193	4,838	968	91	53.0	Sandy	SS, GS	3.04
TL-10	15.4	0.0	0.0		15.3	6,909	1,382	90	6,909	1,382	90	0.0	Sandy	--	--
TL-11	5.8	0.0	5.8		--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-12	14.0	0.0	14.0		--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-13	21.1	0.0	0.0		21.1	22,150	4,430	210	2,430	486	23	89.0	Silty	WP, SS, GS	3.04
TL-14	6.0	0.0	6.0		--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-15	12.5	0.0	12.5		--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-16	6.4	0.0	6.4		--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-17	23.7	0.0	6.5		17.2	19,290	3,858	224	3,939	788	46	79.6	Sandy	GS, SS, CB	3.04
TL-18	3.8	0.0	0.0		3.8	4,477	895	236	2,606	521	137	41.8	Silty	SS, GS	0.13
TL-2	32.5	0.0	0.0		32.5	41,842	8,368	258	11,369	2,274	70	72.8	Sandy	SS, GS, WP, CB	3.04

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						5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)	5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)				
TL-3	4.1	0.0	0.0		4.1	1,912	382	93	1,545	309	76	19.2	Silty	SS	--
TL-4	5.2	0.0	0.0		5.2	5,653	1,131	218	778	156	30	86.2	Silty	GS	3.04
TL-5	20.8	0.0	0.0		20.8	21,892	4,378	210	5,506	1,101	53	74.9	Silty	WP, SS	--
TL-6	21.8	0.0	0.0		21.8	21,977	4,395	201	6,669	1,334	61	69.7	Silty	WP, SS	--
TL-6.1	6.4	0.0	0.0		6.4	4,540	908	142	3,499	700	110	22.9	Silty	SC, GS	0.13
TL-7	59.1	0.0	59.1		--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-8	23.2	0.0	23.2		--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-9	118.0	0.0	118.0		--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-9.1	7.5	0.0	0.0		7.5	16,037	3,207	428	13,733	2,747	366	14.4	Silty	SS, OCD	--
WC-1.2 CITY, WC-1.3 CITY, and WC-1.2 UW	43.6	0.0	0.0	38.4	5.2	3,663	733	141	2,185	437	84	40.4	Sandy	SS, GS	3.04
WC-10	1.0	0.0	1.0		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-11	10.4	0.0	0.0		10.4	5,594	1,119	107	5,381	1,076	103	3.8	Sandy	SS	--
WC-12.1	28.9	0.0	0.1		28.8	12,889	2,578	90	11,064	2,213	77	14.2	Sandy	SS	--
WC-12.2	1.8	0.0	0.0		1.8	1,679	336	190	967	193	109	42.4	Sandy	SS, CB	--
WC-12.3	3.8	0.0	0.0		3.8	3,398	680	177	2,606	521	136	23.3	Sandy	SS, CB	--
WC-12.4	4.6	0.0	4.6		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-12.5	7.4	0.0	7.4		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-13	23.3	0.0	23.3		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-14	18.3	0.0	18.3		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-14.1	1.6	0.0	0.0		1.6	3,874	775	471	6	1	1	99.8	Sandy	SS, GS	3.04
WC-14.2 and WC-14.3	9.6	0.0	0.8		8.7	13,706	2,741	314	2,204	441	51	83.9	Sandy	WP, SS, CB	--
WC-15 CITY and WC-15 UW	24.5	0.0	0.0	21.8	2.8	1,546	309	112	8	2	1	99.5	Silty	SS, GS	3.04
WC-15.1	3.5	0.0	3.1		0.4	1,138	228	517	843	169	383	25.9	Silty	SS	--
WC-15.2	9.7	0.0	9.7		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-15.3, WC-15.4, WC-15.5, WC-15.6, and WC-52NW	49.7	0.0	8.1		41.6	69,711	13,942	336	8,743	1,749	42	87.5	Silty, Sandy	WP, SS	--
WC-15.6	13.2	0.0	13.2		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-16	46.7	0.0	46.7		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-16.1	1.4	0.0	1.4		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-17	8.3	0.0	8.3		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-17.1	1.4	0.0	0.1		1.3	6,160	1,232	938	0	0	0	100.0	Silty	GS	3.04
WC-18.1	6.0	0.0	2.1		3.9	3,578	716	183	3,578	716	183	0.0	Silty	--	--
WC-18.2 and WC-18.2 OS	26.3	5.2	0.1		20.9	15,726	3,145	150	829	166	8	94.7	Silty, Sandy	WP	--
WC-19	25.6	0.0	25.6		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-2 CITY and WC-2 UW	50.7	0.0	0.0	6.6	44.1	93,427	18,685	424	28,476	5,695	129	69.5	Sandy	SS, CB	--
WC-2.1	1.8	0.0	0.0		1.8	746	149	83	342	68	38	54.2	Sandy	BF	--
WC-2.2	0.8	0.0	0.0		0.8	826	165	196	344	69	82	58.3	Sandy	BF	--
WC-20	33.8	0.0	33.8		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-20E	59.8	0.0	59.8		--	--	--	--	--	--	--	--	Silty	Exempt	--

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						5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)	5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)				
WC-20N	134.5	0.0	134.5		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-21	15.0	0.0	15.0		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-21.1	1.7	0.0	0.6		1.1	3,115	623	584	470	94	88	84.9	Clayey	WP	--
WC-22	43.9	0.0	43.9		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-23	100.9	0.0	100.9		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-24	112.9	0.0	112.9		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-25	24.5	0.0	24.5		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-25.1	10.2	0.0	8.0		2.3	5,449	1,090	481	440	88	39	91.9	Sandy	WP, SS, CB	--
WC-26	65.4	0.0	15.8		49.6	79,212	15,842	320	18,416	3,683	74	76.8	Sandy	SS, GS, CB	3.04
WC-26.1	9.0	0.0	8.6		0.4	1,073	215	542	780	156	394	27.3	Sandy	SS	--
WC-27	5.8	0.0	5.8		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-27.1 and WC-28.2	9.2	0.0	6.8		2.5	5,841	1,168	473	772	154	63	86.8	Sandy	WP, SS, CB	--
WC-28	33.9	0.0	33.9		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-28.1	2.5	0.0	0.0		2.5	1,697	339	137	0	0	0	100.0	Silty	BF	--
WC-29	41.6	0.0	0.3		41.4	59,440	11,888	287	45,860	9,172	222	22.8	Sandy	SS, GS	3.04
WC-3	21.0	0.0	0.0		21.0	22,452	4,490	214	16,633	3,327	159	25.9	Sandy	SS, GS	3.04
WC-30	19.0	0.0	0.0		19.0	24,737	4,947	261	9,464	1,893	100	61.7	Sandy	SS, GS	3.04
WC-31	21.1	0.0	0.0		21.1	16,197	3,239	154	14,150	2,830	134	12.6	Sandy	SS	--
WC-32	14.1	0.0	14.1		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-32.2	3.5	0.0	0.0		3.5	6,781	1,356	382	3,542	708	200	47.8	Clayey	SS, BF, GS	3.04
WC-32.2	3.5	0.0	0.0		3.5	6,781	1,356	382	3,542	708	200	47.8	Clayey	SS, BF, GS	3.04
WC-33.1	30.0	0.0	0.4		29.6	60,806	12,161	411	51,599	10,320	349	15.1	Sandy	SS	--
WC-33.1A	6.2	0.0	0.0		6.2	12,656	2,531	409	4,760	952	154	62.4	Silty	GS	3.04, 3.6
WC-33.1B	2.6	0.0	0.0		2.6	4,905	981	376	463	93	35	90.6	Sandy	GS, SS, CB	3.6
WC-33.2	2.2	0.0	2.2		--	--	--	--	--	--	--	--	Clayey	Exempt	--
WC-34	6.3	0.0	0.0		6.3	3,342	668	106	3,342	668	106	0.0	Sandy	--	--
WC-35	6.1	0.0	0.0		6.1	11,673	2,335	384	9,483	1,897	312	18.8	Silty	SS	--
WC-36	14.9	0.0	14.9		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-37	77.1	0.0	0.0		77.1	140,995	28,199	366	112,802	22,560	293	20.0	Clayey	SS	--
WC-37.1	6.8	0.0	0.0		6.8	13,416	2,683	393	791	158	23	94.1	Sandy	WP	--
WC-38	22.7	0.0	0.0		22.7	35,140	7,028	309	30,297	6,059	267	13.8	Silty	SS	--
WC-39 and WC-33	25.1	0.0	0.0		25.1	35,809	7,162	285	0	0	0	100.0	Clayey	GS	3.04
WC-4	15.1	0.0	0.0		15.1	17,178	3,436	228	13,036	2,607	173	24.1	Sandy	SS	--
WC-40.1	15.6	0.0	10.1		5.5	9,352	1,870	339	1,812	362	66	80.6	Silty	SS	--
WC-40.2	18.5	0.0	0.0		18.5	30,328	6,066	328	12,238	2,448	132	59.6	Silty	SS	--
WC-41	35.3	0.0	35.3		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-42	8.2	0.0	0.0		8.2	9,653	1,931	234	2,575	515	62	73.3	Silty	SS	--
WC-43 and WC-45 OS	14.3	3.3	0.0		11.1	19,374	3,875	350	4,256	851	77	78.0	Silty	WP	--
WC-43.1	2.5	0.0	0.0		2.5	8,646	1,729	692	7,067	1,413	566	18.3	Silty	SS	--

Basin	Total MS4 Area ¹ (acres)	Off-Site Drainage Area ² (acres)	Exempt MS4 Area ³ (acres)	UWW Area (acres)	Regulatory MS4 Area ⁴ (acres)	2016 Baseline Conditions			Existing Conditions			Percent Reduction (%)	Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)	5-Year TSS (lb)	Annual TSS (lb)	Annual TSS Loading (lb/ac)				
WC-43.2	7.1	0.0	0.0		7.1	8,809	1,762	250	1,660	332	47	81.2	Silty	SS	--
WC-44N	16.3	0.0	0.8		15.5	27,205	5,441	352	3,784	757	49	86.1	Sandy	WP	--
WC-44S	14.5	0.0	0.0		14.5	31,934	6,387	441	6,124	1,225	85	80.8	Silty	SS	--
WC-45	247.9	0.0	247.9		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-46	105.4	0.0	105.4		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-47	5.3	0.0	5.3		--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-48, WC-48 OS, and Z-2	85.3	8.7	0.0		76.5	95,891	19,178	251	22,363	4,473	58	76.7	Sandy	WP, SS, CB	--
WC-49	21.4	0.0	0.0		21.4	42,130	8,426	393	1,946	389	18	95.4	Sandy	WP, SS	--
WC-49.1, WC-49.1 OS	30.7	10.0	0.0		20.7	43,931	8,786	424	6,059	1,212	58	86.2	Sandy	WP, SS, CB	--
WC-49.2	118.1	0.0	118.1		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-5.1 CITY, WC-5 UW, WC-5.3 UW	45.1	0.0	0.0	7.8	37.3	30,194	6,039	162	18,195	3,639	98	39.7	Sandy	BF, SS	--
WC-5.2 CITY	15.3	0.0	0.0		15.3	23,821	4,764	311	20,300	4,060	265	14.8	Sandy	SS, CB	--
WC-5.3	1.3	0.0	0.0		1.3	2,294	459	348	1,626	325	247	29.1	Sandy	WP, CB	--
WC-5.4 CITY and WC-5.3 CITY	2.4	0.0	0.0		2.4	3,701	740	315	101	20	9	97.3	Silty	BF, GS	--
WC-50	22.8	0.0	0.0		22.8	25,203	5,041	221	19,104	3,821	168	24.2	Sandy	SS	--
WC-51.2	3.1	0.0	0.0		3.1	3,204	641	204	243	49	15	92.4	Silty	GS, SS	3.6
WC-51.3	3.8	0.0	1.5		2.4	2,147	429	182	166	33	14	92.2	Silty	GS, SS	3.6
WC-52	71.9	0.0	60.2		11.7	15,270	3,054	260	5,319	1,064	91	65.2	Silty	SS, OCD	--
WC-54, WC-54.1, WC-51.1, and WC-53	50.7	0.0	5.3		45.5	72,234	14,447	318	11,688	2,338	51	83.8	Clayey	SS, WP, CB	--
WC-55	30.6	0.0	0.0		30.6	68,580	13,716	448	6,841	1,368	45	90.0	Sandy	SS, GS, CB	3.04
WC-56	12.2	0.0	0.0		12.2	18,127	3,625	298	15,326	3,065	252	15.5	Sandy	SS	--
WC-6	2.2	0.0	0.0		2.2	1,196	239	110	1,007	201	93	15.9	Sandy	SS	--
WC-60	18.3	0.0	0.0		18.3	17,841	3,568	195	14,294	2,859	156	19.9	Sandy	SS	--
WC-61	56.3	0.0	0.0		56.3	58,238	11,648	207	44,794	8,959	159	23.1	Sandy	SS, CB	--
WC-62 CITY	31.3	0.0	31.3		--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-65 CITY	2.6	0.0	0.0		2.6	1,041	208	79	1,030	206	78	1.0	Sandy	SS	--
WC-66.1, WC-66.2, WC-66.3, and WC-66.4	9.4	0.0	0.0		9.4	28,255	5,651	603	10,551	2,110	225	62.7	Clayey	SS, WP, BF	--
WC-7	5.9	0.0	0.0		5.9	5,274	1,055	178	5,262	1,052	178	0.2	Sandy	SS	--
WC-8	4.2	0.0	0.0		4.2	4,668	934	222	3,788	758	180	18.8	Sandy	SS	--
WC-9	4.6	0.0	0.0		4.6	12,458	2,492	537	8,914	1,783	384	28.4	Silty	SS	--
Z-1	63.0	0.0	63.0		--	--	--	--	--	--	--	--	Sandy	Exempt	--
Z-3	7.7	0.0	7.7		--	--	--	--	--	--	--	--	Silty	Exempt	--
Z-4	99.4	0.0	99.4		--	--	--	--	--	--	--	--	Silty	Exempt	--
Total	5,360.9	31.5	3,085.9	78.8	2,164.7	3,094,163	618,833	286	1,437,003	287,401	133	53.6			

Notes:
¹Total MS4 area is all the area within the municipality
²Off-site drainage area is the area outside the municipal jurisdiction.
³Exempt MS4 area is the area draining to the MS4 but the municipality is not responsible for the loading (e.g., Agricultural, WisDOT ROW, and County ROW land use).
⁴Regulatory MS4 area is the area which loading is assessed for the municipality.

Abbreviation	Name
SS	Street Cleaning
GS	Grass Swale
BF	Biofiltration Basin
WP	Wet Pond
CB	Catch Basin

Table 4.06-2 TP Loading Results for Baseline and Existing Controls Conditions

Basin ID	Basin Area	Off-Site Drainage Area	Total Exempt Area	UWW Land	Regulatory MS4 Area	Particulate Phosphorus			Dissolved Phosphorus			TP			Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)			
CL-1	11.9	0.0	0.0		11.9	9.2	7.8	15.6	3.1	3.1	0.0%	12.4	10.9	11.6	Sandy	SS, CB	--
CL-1.1	0.2	0.0	0.0		0.2	0.1	0.0	100.0	0.0	0.0	99.7%	0.1	0.0	99.9	Sandy	BF	--
CL-10	0.3	0.0	0.0		0.3	0.4	0.3	41.3	0.0	0.0	0.0%	0.5	0.3	37.2	Silty	SS, CB	--
CL-11	79.5	0.0	79.5		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
CL-12	4.2	0.0	4.2		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
CL-13	8.2	0.0	8.2		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
CL-14	39.2	0.0	39.2		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
CL-15	5.3	0.0	0.0		5.3	2.8	0.9	66.1	1.1	1.1	0.0%	3.9	2.1	46.9	Silty	WP	--
CL-2	10.8	0.0	0.0		10.8	5.9	4.5	24.6	1.5	1.5	0.0%	7.5	6.0	19.5	Sandy	SS, CB	--
CL-3	27.3	0.0	0.0		27.3	19.3	0.3	98.3	6.5	5.0	23.1%	25.7	5.3	79.5	Silty	SS, GS, WP, CB	3.04
CL-4.1, CL-4.2, CL-4.3, CL-4.4, and CL-4.5	203.4	0.0	0.0		203.4	144.1	76.4	46.9	54.3	61.1	-12.4%	198.4	137.5	30.7	Silty	SS, GS, CB, WP, BF	3.04
CL-5	0.8	0.0	0.0		0.8	0.5	0.4	6.3	0.2	0.2	0.0%	0.7	0.6	4.4	Silty	SS	--
CL-6	11.5	0.0	0.0		11.5	5.2	2.6	51.3	3.1	2.4	22.4%	8.4	5.0	40.5	Silty	SS, GS	3.04
CL-7	3.2	0.0	0.0		3.2	1.6	1.5	10.6	0.4	0.4	0.0%	2.1	1.9	8.4	Silty	SS	--
CL-8	4.1	0.0	0.0		4.1	2.2	1.7	23.2	0.4	0.4	0.0%	2.6	2.1	19.5	Sandy	SS, CB	--
CL-9	1.3	0.0	0.0		1.3	0.7	0.7	0.0	0.2	0.2	0.0%	0.9	0.9	0.0	Silty	--	--
GC-1	61.5	0.0	0.4		61.1	55.9	48.4	13.4	13.0	13.0	0.0%	68.8	61.4	10.8	Sandy	SS	--
GC-1.1	2.3	0.0	1.5		0.8	1.1	0.1	94.2	0.1	0.0	88.1%	1.2	0.1	93.7	Sandy	SS, GS	3.6
GC-1.2	1.3	0.0	0.0		1.3	1.1	0.0	98.4	0.2	0.0	97.5%	1.4	0.0	98.2	Sandy	BF	--
GC-10.1, GC-10.5, GC-12 CITY, GC-12 UW, and GC-9.1	102.3	0.0	10.7	4.1	87.5	60.5	6.2	89.7	24.4	6.5	73.5%	84.8	12.7	85.0	Sandy	WP, GS, SS	3.04, 0.13
GC-10.2	16.4	0.0	0.1		16.3	8.5	0.8	91.1	3.2	3.2	0.0%	11.7	4.2	64.2	Sandy	BF, SS	--
GC-10.3	4.0	0.0	0.0		4.0	0.2	0.2	0.0	0.1	0.1	0.0%	0.3	0.3	0.0	Sandy	SS	--
GC-10.4	6.3	0.0	0.0		6.3	2.5	0.4	85.1	1.1	0.2	80.0%	3.5	0.6	83.6	Sandy	SS	--
GC-13 CITY	73.1	0.0	73.1		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
GC-14	185.0	0.0	185.0		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
GC-14.1	2.2	0.0	0.1		2.1	4.9	0.0	100.0	1.0	0.0	100.0%	5.9	0.0	100.0	Silty	SS, GS	3.04
GC-2	157.3	0.0	8.0		149.3	90.3	76.0	15.8	37.1	37.0	0.1%	127.4	113.0	11.2	Silty	SS, GS	0.13
GC-2.1	13.4	0.0	13.4		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
GC-2.2	1.0	0.0	0.0		1.0	1.1	0.3	74.6	0.2	0.2	0.0%	1.3	0.5	63.9	Silty	WP	--
GC-2.3	1.5	0.0	0.0		1.5	1.5	0.4	75.4	0.3	0.3	0.0%	1.8	0.7	63.1	Silty	WP	--
GC-3	5.8	0.0	2.5		3.2	2.8	0.2	94.4	0.6	0.1	90.9%	3.4	0.2	93.8	Sandy	SS, GS	3.04
GC-3.1	126.5	0.0	126.5		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
GC-4	8.1	0.0	0.0		8.1	4.5	4.1	9.1	2.1	2.1	0.0%	6.6	6.2	6.2	Silty	SS	--
GC-5	5.2	0.0	0.0		5.2	2.4	2.0	17.2	0.7	0.7	0.0%	3.1	2.7	13.3	Sandy	SS	--
GC-5.1	5.2	0.0	0.0		5.2	3.6	2.9	18.3	0.6	0.6	0.0%	4.2	3.5	15.6	Sandy	SS	--
GC-6	36.6	0.0	0.0		36.6	21.4	16.1	24.8	4.6	4.6	0.0	26.0	20.7	20.4	Sandy	SS	--

Basin ID	Basin Area	Off-Site Drainage Area	Total Exempt Area	UWW Land	Regulatory MS4 Area	Particulate Phosphorus			Dissolved Phosphorus			TP			Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)			
GC-7	158.7	0.0	158.7		--	--	--	--	--	--	--	--	--	Silty	Exempt	--	
GC-7.1, GC-7.2, GC-7.3, and GC-7.4	21.7	0.0	5.7		15.9	11.3	0.8	93.2	4.5	0.6	87.5	15.8	1.3	91.6	Silty	SS, BF, WP, CB	--
GC-7.10	0.7	0.0	0.0		0.7	0.7	0.3	50.9	0.1	0.1	62.6	0.8	0.4	53.0	Silty	BF	--
GC-7.5	9.7	0.0	0.0		9.7	8.6	3.3	62.0	1.6	1.6	0.0	10.1	4.8	52.3	Silty	WP	--
GC-7.6	3.8	0.0	0.0		3.8	3.8	2.6	32.1	0.7	0.7	0.0	4.6	3.3	27.0	Silty	HDS, CB	--
GC-7.7	5.7	0.0	0.0		5.7	6.2	2.0	67.5	1.0	1.0	0.0	7.3	3.0	58.0	Silty	WP	--
GC-7.8	0.5	0.0	0.0		0.5	0.5	0.4	28.0	0.1	0.1	0.0	0.6	0.5	24.1	Silty	CB	--
GC-8	44.0	0.0	44.0		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
GC-8.1	3.5	0.0	0.0		3.5	1.8	0.1	95.5	0.8	0.7	10.3	2.6	0.8	70.7	Sandy	WP	--
GC-8.2	5.1	0.0	0.0		5.0	1.6	0.1	92.8	0.4	0.4	3.4	2.1	0.5	73.5	Sandy	WP	--
GC-8.3	6.2	0.0	0.2		6.0	1.9	0.0	100.0	0.6	0.0	100.0	2.5	0.0	100.0	Sandy	SS, BF	--
GC-9	42.2	0.0	42.2		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
SB-1	12.9	0.0	0.2		12.8	8.3	6.5	21.3	3.3	3.3	0.0	11.6	9.8	15.3	Silty	SS, CB	--
SB-1.1	7.2	0.0	2.4		4.8	2.2	0.7	67.6	1.2	1.2	0.1	3.4	1.9	43.5	Silty	WP, SC	--
SB-11	83.5	0.0	66.6		16.9	8.1	7.7	4.7	3.8	3.8	0.0	11.8	11.4	3.2	Silty	SS	--
SB-11.1	3.4	0.0	0.5		2.9	3.9	3.0	23.1	1.4	1.4	0.0	5.3	4.4	17.0	Silty	SS	--
SB-2	10.1	0.0	0.0		10.1	5.8	5.2	11.2	2.3	2.3	0.0	8.1	7.5	8.0	Silty	SS	--
SB-3.1, SB-3.2, and SB-3.3	106.2	0.0	13.4		92.8	73.8	39.2	46.9	25.5	17.2	32.6	99.3	56.4	43.2	Silty	SS, DP, WP, GS	3.04
SB-4	31.3	0.0	31.3		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-4.1	9.3	0.0	0.0		9.3	9.3	8.2	11.6	1.8	1.8	0.0	11.1	10.0	9.7	Silty	SS, GS	3.04
SB-4.2	1.6	0.0	0.0		1.6	1.7	0.4	76.0	0.3	0.3	0.0	2.0	0.7	65.4	Silty	WP	--
SB-4.3	1.6	0.0	0.0		1.6	1.8	0.4	77.0	0.3	0.3	0.0	2.0	0.7	66.2	Silty	WP	--
SB-6	222.2	0.0	222.2		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-7	15.1	0.0	15.1		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-8	29.1	0.0	29.1		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-5 and SB-10	97.3	0.0	8.0		89.4	59.0	16.2	72.5	20.3	11.2	44.8	79.3	27.4	65.4	Silty	WP	--
SB-8.1 and SB-8.1 OS	9.5	4.3	3.3		1.9	1.6	0.0	99.3	0.4	0.0	98.5	2.0	0.0	99.1	Silty	SS, GS	3.04
SB-9	36.6	0.0	36.6		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
SB-9.1	1.3	0.0	0.3		1.0	1.1	0.0	99.6	0.4	0.0	99.6	1.5	0.0	99.6	Sandy	SS, GS	3.04
TL-1	10.7	0.0	0.0		10.7	4.9	2.3	52.3	1.8	1.0	42.0	6.7	3.4	49.5	Sandy	SS, GS	3.04
TL-10	15.4	0.0	0.0		15.3	3.6	3.6	0.0	1.4	1.4	0.0	5.0	5.0	0.0	Sandy	--	--
TL-11	5.8	0.0	5.8		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-12	14.0	0.0	14.0		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-13	21.1	0.0	0.0		21.1	12.3	1.5	87.8	5.3	2.7	49.8	17.6	4.2	76.4	Silty	WP, SS, GS	3.04
TL-14	6.0	0.0	6.0		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-15	12.5	0.0	12.5		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
TL-16	6.4	0.0	6.4		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-17	23.7	0.0	6.5		17.2	7.6	1.5	80.1	2.0	1.5	26.0	9.6	3.0	69.0	Sandy	GS, SS, CB	3.04

Basin ID	Basin Area	Off-Site Drainage Area	Total Exempt Area	UWW Land	Regulatory MS4 Area	Particulate Phosphorus			Dissolved Phosphorus			TP			Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)			
TL-18	3.8	0.0	0.0		3.8	2.1	1.3	38.6	0.8	0.6	26.5	2.9	1.9	35.2	Silty	SS, GS	0.13
TL-2	32.5	0.0	0.0		32.5	18.1	5.1	71.7	4.7	3.9	16.8	22.8	9.0	60.4	Sandy	SS, GS, WP, CB	3.04
TL-3	4.1	0.0	0.0		4.1	1.0	0.9	16.2	1.1	1.1	0.0	2.1	1.9	8.1	Silty	SS	--
TL-4	5.2	0.0	0.0		5.2	3.3	0.5	84.4	1.5	0.3	78.6	4.9	0.8	82.6	Silty	GS	3.04
TL-5	20.8	0.0	0.0		20.8	13.0	3.4	73.7	6.0	6.0	0.0	19.0	9.5	50.3	Silty	WP, SS	--
TL-6	21.8	0.0	0.0		21.8	12.7	4.1	68.0	5.9	5.9	0.0	18.7	10.0	46.3	Silty	WP, SS	--
TL-6.1	6.4	0.0	0.0		6.4	2.4	1.9	21.7	1.6	1.5	5.1	4.0	3.4	15.2	Silty	SC, GS	0.13
TL-7	59.1	0.0	59.1		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-8	23.2	0.0	23.2		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-9	118.0	0.0	118.0		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
TL-9.1	7.5	0.0	0.0		7.5	6.2	5.4	13.4	2.2	2.2	0.0	8.4	7.6	9.9	Silty	SS, OCD	--
WC-1.2 CITY, WC-1.3 CITY, and WC-1.2 UW	43.6	0.0	0.0	38.4	5.2	1.6	1.0	39.7	0.4	0.3	37.0	2.1	1.3	39.2	Sandy	SS, GS	3.04
WC-10	1.0	0.0	1.0		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-11	10.4	0.0	0.0		10.4	2.9	2.8	3.2	1.0	1.0	0.0	3.9	3.8	2.4	Sandy	SS	--
WC-12.1	28.9	0.0	0.1		28.8	6.7	5.8	12.3	2.7	2.7	0.0	9.4	8.6	8.7	Sandy	SS	--
WC-12.2	1.8	0.0	0.0		1.8	0.8	0.5	41.4	0.3	0.3	0.0	1.2	0.8	29.7	Sandy	SS, CB	--
WC-12.3	3.8	0.0	0.0		3.8	2.1	1.7	20.2	1.0	1.0	0.0	3.2	2.7	13.6	Sandy	SS, CB	--
WC-12.4	4.6	0.0	4.6		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-12.5	7.4	0.0	7.4		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-13	23.3	0.0	23.3		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-14	18.3	0.0	18.3		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-14.1	1.6	0.0	0.0		1.6	1.3	0.0	99.8	0.1	0.0	99.7	1.4	0.0	99.8	Sandy	SS, GS	3.04
WC-14.2 and WC-14.3	9.6	0.0	0.8		8.7	5.1	0.9	83.2	1.2	1.2	0.0	6.3	2.1	67.4	Sandy	WP, SS, CB	--
WC-15 CITY and WC-15 UW	24.5	0.0	0.0	21.8	2.8	0.9	0.0	99.4	0.7	0.0	99.2	1.6	0.0	99.4	Silty	SS, GS	3.04
WC-15.1	3.5	0.0	3.1		0.4	0.6	0.4	24.5	0.2	0.2	0.0	0.8	0.6	17.6	Silty	SS	--
WC-15.2	9.7	0.0	9.7		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-15.3, WC-15.4, WC-15.5, WC-15.6, and WC-52NW	49.7	0.0	8.1		41.6	33.8	4.5	86.6	11.9	11.1	6.6	45.7	15.6	65.8	Silty, Sandy	WP, SS	--
WC-15.6	13.2	0.0	13.2		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-16	46.7	0.0	46.7		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-16.1	1.4	0.0	1.4		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-17	8.3	0.0	8.3		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-17.1	1.4	0.0	0.1		1.3	1.5	0.0	100.0	1.8	0.0	100.0	3.3	0.0	100.0	Silty	GS	3.04
WC-18.1	6.0	0.0	2.1		3.9	1.9	1.9	0.0	0.8	0.8	0.0	2.7	2.7	0.0	Silty	--	--
WC-18.2 and WC-18.2 OS	26.3	5.2	0.1		20.9	8.3	0.5	94.2	4.0	3.4	15.9	12.3	3.8	68.7	Silty, Sandy	WP	--
WC-19	25.6	0.0	25.6		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-2 CITY and WC-2 UW	50.7	0.0	0.0	6.6	44.1	35.5	10.7	69.7	7.1	7.1	0.2	42.6	17.8	58.2	Sandy	SS, CB	--
WC-2.1	1.8	0.0	0.0		1.8	0.4	0.2	54.1	0.2	0.2	0.0	0.6	0.9	-51.9	Sandy	BF	--

Basin ID	Basin Area	Off-Site Drainage Area	Total Exempt Area	UWW Land	Regulatory MS4 Area	Particulate Phosphorus			Dissolved Phosphorus			TP			Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)			
WC-2.2	0.8	0.0	0.0		0.8	0.3	0.1	57.7	0.1	0.1	0.0	0.4	0.7	-93.1	Sandy	BF	--
WC-20	33.8	0.0	33.8		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-20E	59.8	0.0	59.8		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-20N	134.5	0.0	134.5		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-21	15.0	0.0	15.0		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-21.1	1.7	0.0	0.6		1.1	0.8	0.1	84.6	0.3	0.3	0.0	1.1	0.4	61.3	Clayey	WP	--
WC-22	43.9	0.0	43.9		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-23	100.9	0.0	100.9		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-24	112.9	0.0	112.9		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-25	24.5	0.0	24.5		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-25.1	10.2	0.0	8.0		2.3	2.5	0.2	91.9	0.9	0.9	0.2	3.5	1.2	66.9	Sandy	WP, SS, CB	--
WC-26	65.4	0.0	15.8		49.6	32.4	8.0	75.3	5.9	3.9	33.9	38.3	11.9	69.0	Sandy	SS, GS, CB	3.04
WC-26.1	9.0	0.0	8.6		0.4	0.5	0.4	27.0	0.2	0.2	0.0	0.7	0.6	19.6	Sandy	SS	--
WC-27	5.8	0.0	5.8		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-27.1 and WC-28.2	9.2	0.0	6.8		2.5	2.7	0.4	86.7	1.0	1.0	0.0	3.7	1.4	63.0	Sandy	WP, SS, CB	--
WC-28	33.9	0.0	33.9		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-28.1	2.5	0.0	0.0		2.5	1.1	0.0	100.0	0.6	0.0	100.0	1.7	0.0	100.0	Silty	BF	--
WC-29	41.6	0.0	0.3		41.4	22.7	17.4	23.4	6.5	6.2	4.7	29.2	23.6	19.2	Sandy	SS, GS	3.04
WC-3	21.0	0.0	0.0		21.0	10.9	8.2	24.8	4.0	4.0	0.0	14.9	12.2	18.1	Sandy	SS, GS	3.04
WC-30	19.0	0.0	0.0		19.0	9.1	4.4	51.1	3.6	2.3	36.1	12.6	6.7	46.8	Sandy	SS, GS	3.04
WC-31	21.1	0.0	0.0		21.1	6.6	5.9	11.0	2.1	2.1	0.0	8.7	8.0	8.4	Sandy	SS	--
WC-32	14.1	0.0	14.1		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-32.2	3.5	0.0	0.0		3.5	2.5	1.4	44.2	0.7	0.4	48.1	3.2	1.8	45.1	Clayey	SS, BF, GS	3.04
WC-32.2	3.5	0.0	0.0		3.5	2.5	1.4	44.2	0.7	0.4	48.1	3.2	1.8	45.1	Clayey	SS, BF, GS	3.04
WC-33.1	30.0	0.0	0.4		29.6	17.0	14.6	14.4	7.2	7.2	0.0	24.2	21.7	10.1	Sandy	SS	--
WC-33.1A	6.2	0.0	0.0		6.2	4.5	1.6	63.7	1.0	0.3	67.0	5.5	2.0	64.3	Silty	GS	3.04, 3.6
WC-33.1B	2.6	0.0	0.0		2.6	1.7	0.2	90.4	0.3	0.0	87.8	2.0	0.2	90.0	Sandy	GS, SS, CB	3.6
WC-33.2	2.2	0.0	2.2		--	--	--	--	--	--	--	--	--	--	Clayey	Exempt	--
WC-34	6.3	0.0	0.0		6.3	1.1	1.1	0.0	0.3	0.3	0.0	1.4	1.4	0.0	Sandy	--	--
WC-35	6.1	0.0	0.0		6.1	3.6	3.0	15.0	2.6	2.6	0.0	6.2	5.6	8.7	Silty	SS	--
WC-36	14.9	0.0	14.9		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-37	77.1	0.0	0.0		77.1	47.1	39.1	17.0	18.6	16.0	14.4	65.7	55.0	16.3	Clayey	SS	--
WC-37.1	6.8	0.0	0.0		6.8	3.3	0.2	94.1	0.7	0.6	0.4	3.9	0.8	78.6	Sandy	WP	--
WC-38	22.7	0.0	0.0		22.7	9.3	8.1	13.5	4.3	4.2	1.7	13.6	12.3	9.8	Silty	SS	--
WC-39 and WC-33	25.1	0.0	0.0		25.1	16.0	3.0	81.4	6.3	4.8	23.4	22.2	0.0	100.0	Clayey	GS	3.04
WC-4	15.1	0.0	0.0		15.1	7.8	6.1	21.3	2.4	2.4	0.0	10.2	8.5	16.3	Sandy	SS	--
WC-40.1	15.6	0.0	10.1		5.5	3.0	0.6	80.4	2.1	0.4	80.0	5.2	1.0	80.3	Silty	SS	--
WC-40.2	18.5	0.0	0.0		18.5	9.9	4.3	56.7	6.9	3.4	50.7	16.8	7.7	54.2	Silty	SS	--

Basin ID	Basin Area	Off-Site Drainage Area	Total Exempt Area	UWW Land	Regulatory MS4 Area	Particulate Phosphorus			Dissolved Phosphorus			TP			Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)			
WC-41	35.3	0.0	35.3		--	--	--	--	--	--	--	--	--	Silty	Exempt	--	
WC-42	8.2	0.0	0.0		8.2	3.3	0.9	73.1	1.6	0.4	73.1	4.9	1.3	73.1	Silty	SS	--
WC-43 and WC-45 OS	14.3	3.3	0.0		11.1	5.5	1.2	77.2	1.8	2.7	-51.5	7.3	4.0	45.3	Silty	WP	--
WC-43.1	2.5	0.0	0.0		2.5	2.3	1.9	16.0	1.7	1.7	0.0	4.0	3.6	9.1	Silty	SS	--
WC-43.2	7.1	0.0	0.0		7.1	2.9	0.6	80.8	1.4	0.3	80.0	4.3	0.8	80.5	Silty	SS	--
WC-44N	16.3	0.0	0.8		15.5	6.4	0.9	86.0	1.2	1.2	0.5	7.6	2.1	72.5	Sandy	WP	--
WC-44S	14.5	0.0	0.0		14.5	9.4	1.9	79.9	7.4	1.7	76.6	16.9	3.6	78.5	Silty	SS	--
WC-45	247.9	0.0	247.9		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-46	105.4	0.0	105.4		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-47	5.3	0.0	5.3		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
WC-48, WC-48 OS, and Z-2	85.3	8.7	0.0		76.5	28.1	6.8	75.8	12.9	12.9	0.0	41.0	19.7	51.9	Sandy	WP, SS, CB	--
WC-49	21.4	0.0	0.0		21.4	10.3	0.5	95.3	2.0	2.0	0.2	12.4	2.5	79.7	Sandy	WP, SS	--
WC-49.1, WC-49.1 OS	30.7	10.0	0.0		20.7	10.7	1.5	86.1	4.0	3.9	1.0	14.6	5.4	63.0	Sandy	WP, SS, CB	--
WC-49.2	118.1	0.0	118.1		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-5.1 CITY, WC-5 UW, WC-5.3 UW	45.1	0.0	0.0	7.8	37.3	12.8	7.6	40.8	3.5	4.2	-21.5	16.3	11.8	27.5	Sandy	BF, SS	--
WC-5.2 CITY	15.3	0.0	0.0		15.3	11.9	10.3	13.0	4.1	4.1	0.0	16.0	14.4	9.7	Sandy	SS, CB	--
WC-5.3	1.3	0.0	0.0		1.3	0.7	0.5	27.4	0.1	0.1	-0.1	0.8	0.6	23.0	Sandy	WP, CB	--
WC-5.4 CITY and WC-5.3 CITY	2.4	0.0	0.0		2.4	1.9	0.1	96.9	0.7	0.2	72.0	2.5	0.2	90.4	Silty	BF, GS	--
WC-50	22.8	0.0	0.0		22.8	11.2	8.6	23.2	3.6	3.6	0.0	14.8	12.2	17.6	Sandy	SS	--
WC-51.2	3.1	0.0	0.0		3.1	1.5	0.1	92.1	0.5	0.1	89.5	2.1	0.2	91.4	Silty	GS, SS	3.6
WC-51.3	3.8	0.0	1.5		2.4	1.3	0.1	91.3	0.6	0.1	88.4	1.9	0.2	90.4	Silty	GS, SS	3.6
WC-52	71.9	0.0	60.2		11.7	7.5	2.4	68.1	2.9	0.9	70.2	10.5	3.3	68.7	Silty	SS, OCD	--
WC-54, WC-54.1, WC-51.1, and WC-53	50.7	0.0	5.3		45.5	33.6	5.7	83.1	12.6	12.3	2.3	46.2	18.0	61.1	Clayey	SS, WP, CB	--
WC-55	30.6	0.0	0.0		30.6	23.7	2.5	89.5	8.9	1.2	86.3	32.6	3.7	88.6	Sandy	SS, GS, CB	3.04
WC-56	12.2	0.0	0.0		12.2	8.1	7.2	10.8	1.5	1.5	0.0	9.6	8.7	9.1	Sandy	SS	--
WC-6	2.2	0.0	0.0		2.2	0.6	0.5	13.7	0.3	0.3	0.0	0.9	0.8	9.8	Sandy	SS	--
WC-60	18.3	0.0	0.0		18.3	8.5	6.9	18.6	3.1	3.1	0.0	11.6	10.0	13.7	Sandy	SS	--
WC-61	56.3	0.0	0.0		56.3	26.5	20.9	21.3	8.1	8.1	0.0	34.6	28.9	16.3	Sandy	SS, CB	--
WC-62 CITY	31.3	0.0	31.3		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
WC-65 CITY	2.6	0.0	0.0		2.6	0.5	0.5	0.6	0.2	0.2	0.0	0.7	0.7	0.5	Sandy	SS	--
WC-66.1, WC-66.2, WC-66.3, and WC-66.4	9.4	0.0	0.0		9.4	10.5	4.0	61.7	1.7	1.4	21.6	12.2	5.4	56.0	Clayey	SS, WP, BF	--
WC-7	5.9	0.0	0.0		5.9	2.2	2.2	0.2	0.6	0.6	0.0	2.8	2.8	0.1	Sandy	SS	--
WC-8	4.2	0.0	0.0		4.2	1.8	1.5	16.3	0.4	0.4	0.0	2.3	2.0	13.3	Sandy	SS	--
WC-9	4.6	0.0	0.0		4.6	4.8	3.6	24.5	1.1	1.1	0.0	5.9	4.7	20.1	Silty	SS	--
Z-1	63.0	0.0	63.0		--	--	--	--	--	--	--	--	--	--	Sandy	Exempt	--
Z-3	7.7	0.0	7.7		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--
Z-4	99.4	0.0	99.4		--	--	--	--	--	--	--	--	--	--	Silty	Exempt	--

Basin ID	Basin Area	Off-Site Drainage Area	Total Exempt Area	UWW Land	Regulatory MS4 Area	Particulate Phosphorus			Dissolved Phosphorus			TP			Major Soil Type	Current Practices	Swale Dynamic Infiltration Rate
						Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)	Baseline Loading (lb)	Existing Loading (lb)	Percent Reduction (%)			
TP Leaf Credits (2020 and 2023 Approved Credits)	--	--	--	--	--	--	--	--	--	--	--	--	-47.1	--	NA	NA	
Total	5,360.9	31.5	3,085.9	78.8	2,164.7	1,326	646	29.8	466.4	383.6	17.8	1,792.1	975.8	45.5			

Abbreviation	Name
SS	Street Cleaning
GS	Grass Swale
BF	Biofiltration Basin
WP	Wet Pond
CB	Catch Basin

The current Citywide level of TSS reduction meets the 20 percent TSS reduction requirement in the City’s stormwater permit. However, the current Citywide TSS and TP reductions do not meet the Rock River TMDL (Reach 59) requirements of 49 percent and 66 percent, respectively.

The current levels of pollutant reduction are the result of existing BMPs within the City. To meet the Rock River TMDL pollutant reduction requirements, the City will need to implement additional BMPs to meet the reduction targets. Section 5 outlines different alternatives the City may investigate to further reduce pollutant loads. The WDNR’s existing conditions modeling approval is included in Appendix D (pending).

City of Whitewater (WinSLAMM Version 10.5)					
Pollutant	MS4 Permit Required Reductions (%)	Rock River TMDL Required Reductions (Reach 59) (%)	MS4 Modeled Existing Conditions Reduction (%)	TMDL Pollutant Reduction Gap (%)	TMDL Pollutant Reduction Gap (lb)
TSS	20	49.0	53.6	0.0	0.0
TP	N/A	66.4	45.5	20.9	374.5

Table 4.06-5 TMDL Modeling Results for the City in TMDL Reach 59