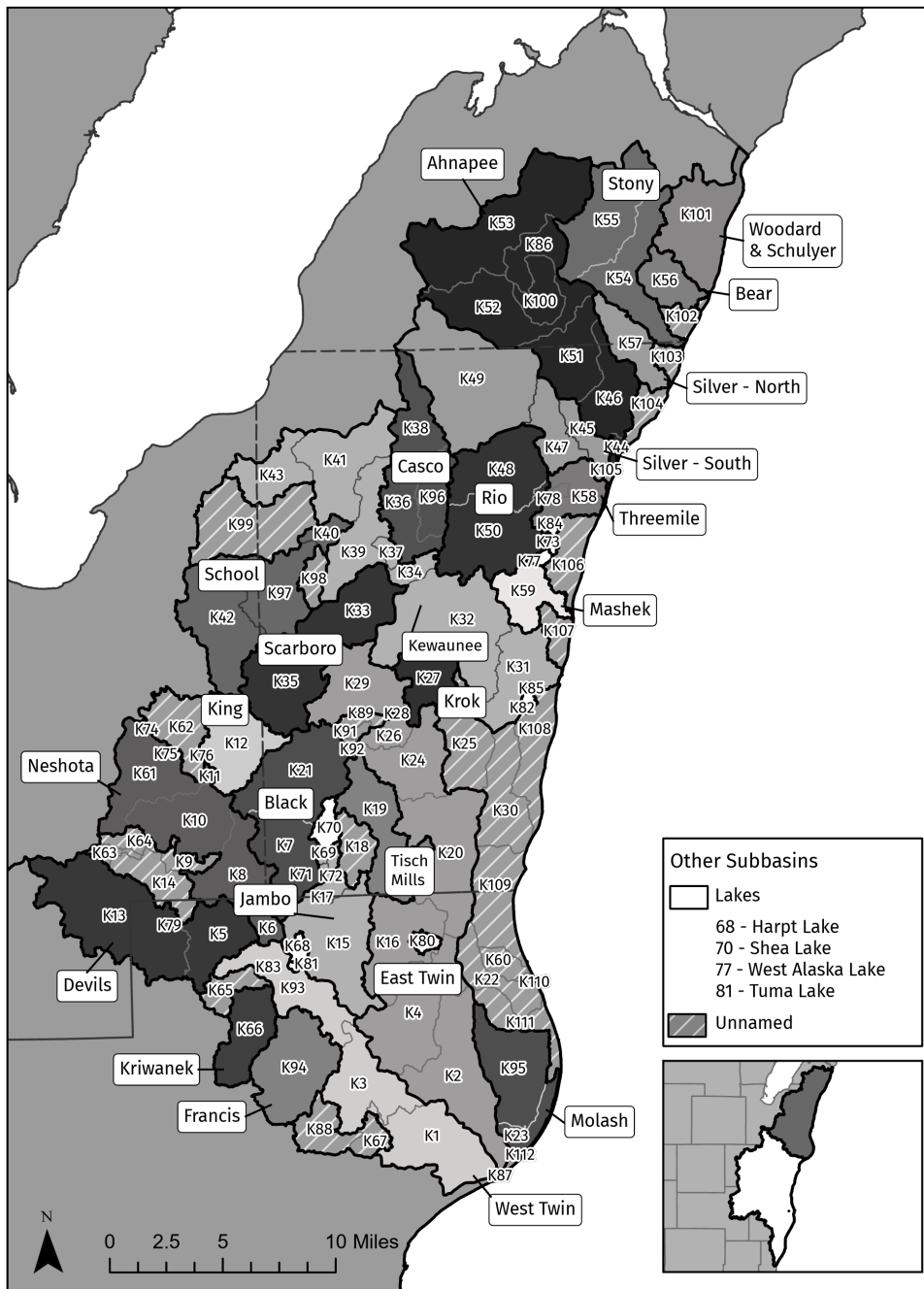


Appendix H: Northeast Lakeshore TMDL Baseline Tables
Total Phosphorus and Total Suspended Solids

Door/Kewaunee Region



Total Phosphorus Annual Baseline

Table H.K.TP.1. Baseline total phosphorus loads (TP, in pounds per year) by source category for each TMDL subbasin. Some column names have been abbreviated to fit: BG = background load, Agric. = agriculture, NPU = non-permitted urban, IP = individual permits, GP = general permits.

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
K1	West Twin River—mile 0.2 to 6.9	230	985	24	47	0	11	1,298
K2	East Twin River—mouth to mile 8.2	219	3,456	25	47	0	32	3,779
K3	West Twin River—mile 6.9 to 11.6	269	3,003	24	0	0	23	3,319
K4	East Twin River—mile 8.2 to 13	357	3,897	47	0	0	24	4,325
K5	Devils River—mouth to mile 4.9	317	1,996	14	0	0	10	2,339
K6	Neshota River—mouth to mile 1.7	40	491	4.7	0	0	2.3	538
K7	Black Creek—mouth to mile 6.4	113	3,309	15	0	0	16	3,454
K8	Neshota River—mile 1.7 to 6.4	312	4,204	43	0	0.19	15	4,575
K9	Unnamed tributary to Neshota River	39	456	57	0	2,210	5.7	2,767
K10	Neshota River—mile 6.4 to 10.5	296	4,988	36	0	0	18	5,338
K11	Neshota River—mile 10.5 to 11	14	95	0.29	0	0	0.54	110
K12	King Creek	315	6,159	17	0	0	16	6,507
K13	Devils River—mile 4.9 to headwaters	348	6,137	16	0	0	39	6,539
K14	Unnamed tributary to Devils River	134	1,965	12	0	0	9.7	2,121
K15	Jambo Creek—mouth to mile 8.1	366	2,767	7.1	0	0	30	3,170
K16	East Twin River—mile 8.2 to 19.4	169	825	6	0	0	8.8	1,009
K17	Jambo Creek—mile 8.1 to 10.1	21	831	4.2	0	0	3.7	860
K18	Unnamed tributary to Jambo Creek	53	943	0.64	0	0	8.1	1,005
K19	Tisch Mills Creek	155	2,639	8.6	0	0	24	2,827
K20	East Twin River—mile 19.4 to 26.4	307	5,598	15	0	0	27	5,947
K21	Black Creek—mile 6.4 to headwaters	321	5,929	5.3	0	0	24	6,279
K22	Unnamed tributary to Lake Michigan	81	2,014	5.7	0	0	2.3	2,102
K23	Molash Creek—mouth to mile 1.1	66	61	4.5	6.9	0	0.77	140
K24	East Twin River—mile 26.4 to 32.1	76	795	3.4	0	0	8.5	883
K25	Unnamed tributary to East Twin River	104	1,789	3.1	0	0	14	1,910
K26	East Twin River—mile 32.1 to 34.2	14	577	0.46	0	0	5	596
K27	Krok Creek	46	927	2.4	0	0	9.9	986
K28	Unnamed tributary to East Twin River	6.8	70	0.32	0	0	0.75	78
K29	East Twin River—mile 34.2 to headwaters	183	5,016	10	0	0	18	5,228
K30	Unnamed tributary to Lake Michigan	59	2,815	7.6	0	0	4	2,885

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
K31	Kewaunee River—mouth to mile 6.5	142	1,029	42	0	1,414	20	2,647
K32	Kewaunee River—mile 6.5 to 15.1	516	4,709	19	0	0	40	5,285
K33	Scarboro Creek—mouth to mile 6	166	5,670	11	0	0	23	5,870
K34	Kewaunee River—mile 15.1 to 16.4	21	157	3.9	0	0	1.7	184
K35	Scarboro Creek—mile 6 to headwaters	362	7,057	9.2	0	0	31	7,459
K36	Casco Creek—mouth to mile 1.7	69	1,275	13	0	0	14	1,371
K37	Kewaunee River—mile 16.4 to 18	16	88	2.9	0	0	0.88	108
K38	Casco Creek—mile 6.3 to headwaters	96	1,712	5.2	0	0	18	1,832
K39	Kewaunee River—mile 18 to 19.5	137	3,230	44	0	0	8.4	3,420
K40	School Creek—mouth to mile 2.1	37	703	12	0	0	1.6	753
K41	Kewaunee River—mile 19.5 to 23.2	206	3,408	16	0	0	12	3,642
K42	School Creek—mile 5.5 to headwaters	203	5,361	35	0	0	17	5,616
K43	Kewaunee River—mile 23.2 to headwaters	113	2,018	24	0	0	6.6	2,162
K44	Ahnapee River—mouth to mile 0.9	0.33	0.09	31	0	3,048	33	3,112
K45	Silver Creek (South)—mouth to mile 2.1	32	149	30	0	0	1.9	212
K46	Ahnapee River—mile 0.9 to 3.3	75	352	14	0	0	3.9	445
K47	Silver Creek (South)—mile 2.1 to 6.9	66	490	15	0	0	3.9	576
K48	Rio Creek—mouth to mile 4.2	99	1,648	14	0	0	8.9	1,770
K49	Silver Creek—mile 6.9 to headwaters	189	2,908	18	0	0	20	3,135
K50	Rio Creek—mile 4.2 to headwaters	135	2,178	8.6	0	0	13	2,334
K51	Ahnapee River—mile 3.3 to 7.1	59	473	11	0	0	5.1	548
K52	Ahnapee River—mile 7.1 to 7.9	127	1,013	10	0	364	15	1,528
K53	Ahnapee River—mile 11.7 to headwaters	291	3,167	44	0	0	34	3,536
K54	Stony Creek—mouth to mile 8.2	109	614	6	0	0	5.8	735
K55	Stony Creek—mile 8.2 to headwaters	160	588	11	0	0	6.4	765
K56	Bear Creek	67	474	4.7	0	0	2.4	548
K57	Silver Creek (North)	51	256	1.8	0	0	2.7	312
K58	Threemile Creek—mouth to Krohns Lake	139	652	18	0	0	3.8	814
K59	Mashek Creek	79	1,079	6.2	0	0	5	1,169
K60	Unnamed tributary to Lake Michigan	34	522	7.3	0	0	0.87	564
K61	Neshota River—mile 11 to headwaters	409	4,427	23	0	0	18	4,877
K62	Unnamed tributary to Neshota River	287	2,079	20	0	0	11	2,397

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
K63	Unnamed stream	6	337	3.2	0	1,449	2.7	1,798
K64	Unnamed stream	31	472	2.7	0	0	3.5	509
K65	Unnamed tributary to Kriwanek Creek	56	1,298	9.5	0	146	7.5	1,518
K66	Kriwanek Creek—mile 0.7 to headwaters	144	2,653	17	0	0	18	2,832
K67	Unnamed tributary to West Twin River	78	491	10	0	0	4.6	584
K68	Harpt Lake	24	151	0	0	0	0.69	175
K69	Jambo Creek—mile 10.1 to 10.7	5.4	31	0.17	0	0	0.34	37
K70	Jambo Creek—mile 10.7 to headwaters	16	124	1.2	0	0	0.59	142
K71	Heidmann Lake	3	23	0.12	0	0	0.24	26
K72	Chada Lake	1.8	18	0.14	0	0	0.19	20
K73	East Alaska Lake	4.8	6.1	1.8	0	0	0.08	13
K74	Lilly Lake	8.2	0	0.91	0	0	0.01	9.1
K75	Middle Lake	1.2	0	0	0	0	0	1.2
K76	Third Lake	5.7	7.7	0.06	0	0	0.08	14
K77	West Alaska Lake	12	26	2.4	0	0	0.28	41
K78	Krohns Lake	8.7	50	0.62	0	0	0.44	59
K79	Hidden Lake	3.7	0	1	0	0	0.01	4.7
K80	Unnamed lake/pond	20	75	0.24	0	0	0.8	95
K81	Tuma Lake	4.4	1.8	0	0	0	0.02	6.2
K82	Seidel Lake	1.4	104	5.4	0	0	0.23	111
K83	Mott Lake	1	19	0	0	0	0.2	20
K84	Silver Lake	4.2	65	0.5	0	0	0.26	70
K85	Stump Pond	0.76	3.5	8.2	0	0	0.05	13
K86	Ahnapee River—mile 9.8 to 11.7	57	684	5.9	0	0	7.3	754
K87	West Twin River—mouth to mile 0.2	0	0	0	1.9	0	0.02	1.9
K88	Unnamed stream	151	2,119	38	0	124	11	2,443
K89	Unnamed stream	12	315	5.2	0	0	1.5	334
K90	Unnamed stream	6.3	120	1	0	0	0.68	128
K91	Unnamed stream	3.6	49	3.8	0	2,069	2.3	2,128
K92	Unnamed stream	5.1	52	0	0	0	0.46	58
K93	West Twin River—mile 11.6 to 18.6	406	1,956	15	0	0	21	2,397
K94	Francis Creek	311	3,204	33	0	0	30	3,577
K95	Molash Creek—mile 1.1 to headwaters	206	1,724	12	0.21	0	5.7	1,949

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
K96	Casco Creek—mile 1.7 to 6.3	67	655	13	0	546	13	1,293
K97	School Creek—mile 2.1 to 5.5	136	3,799	20	0	0	9.2	3,965
K98	Unnamed tributary to School Creek	24	665	42	0	0	2.9	734
K99	Unnamed tributary to Kewaunee River	367	5,059	24	0	0	14	5,464
K100	Ahnapee River—mile 7.9 to 9.8	65	523	3.3	0	0	5.6	596
K101	Woodard Creek	151	1,404	19	0	0	5.7	1,580
K102	Unnamed tributaries to Lake Michigan	29	133	3.6	0	0	0.81	166
K103	Unnamed tributaries to Lake Michigan	25	82	1.9	0	0	0.51	109
K104	Unnamed tributaries to Lake Michigan	21	129	11	0	0	1.5	163
K105	Unnamed tributaries to Lake Michigan	3	2.7	15	0	0	0.18	21
K106	Unnamed tributaries to Lake Michigan	38	1,713	14	0	0	4.5	1,770
K107	Unnamed tributaries to Lake Michigan	37	687	11	0	0	1.9	737
K108	Unnamed tributaries to Lake Michigan	63	2,382	43	0	0	3.1	2,491
K109	Unnamed tributaries to Lake Michigan	164	3,020	41	0	0	3.3	3,228
K110	Unnamed tributaries to Lake Michigan	4.9	131	0.72	0	0	0.09	136
K111	Unnamed tributaries to Lake Michigan	111	830	23	0	0	2	966
K112	Unnamed Pond	2.7	0	3.8	11	0	0.15	17

Total Phosphorus Baseline Loads by Permitted Point Source

Table H.K.TP.2. Total phosphorus baseline loads for each individual permitted point source.

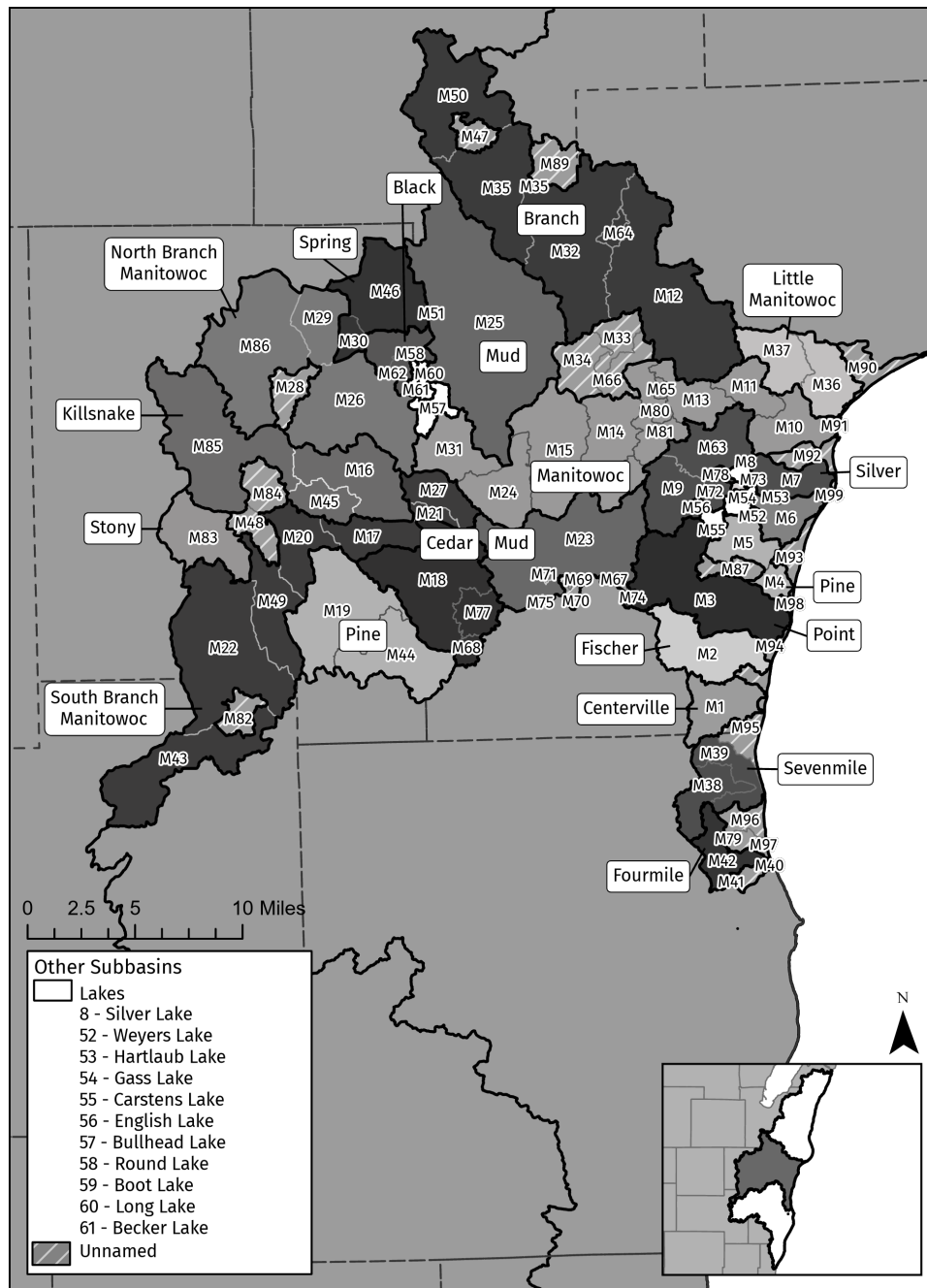
Reach	Facility Name	Permit no.	Outfall no.	Facility Type	Flow (MGD)	Conc. (mg/L)	Frac. of year	Load (lbs/yr.)
K91	AGROPUR INC. - LUXEMBURG	50237	9	Industrial	0.565	1	1	2,069
K44	ALGOMA WASTEWATER TREATMENT FACILITY	20745	1	Municipal	0.833	1	1	3,048
K63	BELGIOIOSO CHEESE, INC. - DENMARK	51128	7	Industrial	0.396	1	1	1,449
K96	CASCO WASTEWATER TREATMENT FACILITY	23566	1	Municipal	0.149	1	1	546
K9	DENMARK WASTEWATER TREATMENT FACILITY	21741	1	Municipal	0.604	1	1	2,210
K52	FORESTVILLE WASTEWATER TREATMENT FACILITY	28894	1	Municipal	0.099	1	1	364
K31	KEWAUNEE WASTEWATER TREATMENT FACILITY	20176	1	Municipal	0.449	1	1	1,644
K88	KOSSUTH SANITARY DISTRICT NO. 2 WWTF	35874	1	Municipal	0.034	1	1	124
K65	MARIBEL WASTEWATER TREATMENT FACILITY	61051	2	Municipal	0.040	1	1	146
K8	NEW ORGANIC DIGESTION LLC	64629	6	Industrial	0.001	0.091	1	0.19

Total Phosphorus Baseline Loads by MS4

Table H.K.TP.3. Total phosphorus baseline loads for each permitted MS4 and the reaches they drain to.

Municipality	Reach	Area (acres)	Baseline load (lbs/year)
City of Manitowoc	K1	11	0.28
City of Two Rivers	K1	1,806	47
City of Two Rivers	K2	1,099	47
City of Two Rivers	K23	326	6.9
City of Two Rivers	K87	7	1.9
City of Two Rivers	K95	78	0.21
City of Two Rivers	K112	144	11

Manitowoc River Basin Region



Total Phosphorus Annual Baseline

Table H.M.TP.1. Baseline total phosphorus loads (TP, in pounds per year) by source category for each TMDL subbasin. Some column names have been abbreviated to fit: BG = background load, Agric. = agriculture, NPU = non-permitted urban, IP = individual permits, GP = general permits.

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
M1	Centerville Creek	238	1,888	78	0	0	9.1	2,214
M2	Fischer Creek	256	4,323	36	0	0	18	4,632
M3	Point Creek	648	7,500	58	0	0	31	8,237
M4	Pine Creek (East)—mouth to 2.7	24	511	13	0	0.07	1.9	549
M5	Pine Creek (East)—mile 2.7 to 6.5	138	2,660	27	0	0	8.5	2,833
M6	Calvin Creek—mouth to mile 5.8	127	1,533	31	0	0	7.9	1,699
M7	Silver Creek—mouth to mile 9.5	221	885	59	62	0	6.9	1,234
M8	Silver Lake	63	55	15	5	20	0.42	159
M9	Silver Creek—mile 5 to headwaters	122	3,060	5.5	0	0	11	3,198
M10	Manitowoc River—mouth to mile 6.3	56	238	31	237	1,948	13	2,525
M11	Manitowoc River—mile 6.3 to 12.6	126	983	51	19	0	11	1,190
M12	Branch River—mouth to mile 12.3	817	8,135	60	0	0	87	9,099
M13	Manitowoc River—mile 12.6 to 16.5	299	2,383	14	0	0	6.6	2,703
M14	Manitowoc River—mile 18.8 to 22.2	171	5,080	23	0	53	9.8	5,338
M15	Manitowoc River—mile 22.2 to 28.2	526	7,958	110	0	847	19	9,460
M16	Killsnake River—mouth to mile 3.4	161	2,605	8	0	0	13	2,787
M17	South Branch Manitowoc River—mile 3 to 9.2	86	959	6.2	0	0	5.7	1,057
M18	Cedar Creek—mouth to mile 6	328	4,240	26	0	0	11	4,606
M19	Pine Creek (West)—mouth to mile 5	308	10,593	60	0	0	16	10,977
M20	South Branch Manitowoc River—mile 9.2 to 14.8	114	3,388	187	0	3,624	11	7,325
M21	South Branch Manitowoc River—mile 1.8 to 3	3.1	22	0	0	0	0.24	26
M22	South Branch Manitowoc River—mile 18.8 to 29.3	232	10,510	41	0	0	25	10,808
M23	Mud Creek (South)	725	10,031	90	0	610	48	11,503
M24	Manitowoc River—mile 28.2 to 31	85	924	4.6	0	0	9.9	1,023
M25	Mud Creek (North)	1,474	11,260	76	0	1,013	25	13,848
M26	North Branch Manitowoc River—mouth to mile 7.3	186	3,948	55	0	128	21	4,339
M27	South Branch Manitowoc River—mouth to mile 1.8	58	600	3.4	0	0	4.8	666
M28	Unnamed stream	54	1,033	41	0	994	4.8	2,126
M29	North Branch Manitowoc River—mile 7.3 to 11.2	78	706	11	0	0	7.1	803
M30	Spring Creek—mouth to mile 2.6	19	1.5	0.87	0	0	0.03	21

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
M31	Manitowoc River—mile 31 to headwaters	129	1,075	5.5	0	0	11	1,221
M32	Branch River—mile 12.3 to 23.5	364	5,934	22	0	0	58	6,378
M33	Unnamed tributary to Branch River	90	1,418	7.8	0	0	9.1	1,525
M34	Unnamed stream	209	4,273	9.2	0	0	14	4,507
M35	Branch River—mile 23.5 to 28.4	641	8,556	24	0	0	36	9,257
M36	Little Manitowoc River—mouth to mile 4.4	94	761	14	132	0	2.3	1,003
M37	Little Manitowoc River—mile 4.4 to headwaters	134	2,109	37	45	0	2.6	2,328
M38	Sevenmile Creek—mile 0.9 to headwaters	57	2,030	18	0	0	7	2,111
M39	Sevenmile Creek—mile 6.1 to 6.9	54	1,992	37	0	0	6.6	2,090
M40	Fourmile Creek—mouth to mile 0.4	1.6	0	0	0.92	0	0.01	2.6
M41	Unnamed tributary to Fourmile Creek	9.5	83	0	39	0	1.3	133
M42	Fourmile Creek—mile 0.4 to headwaters	37	1,309	42	42	0	6.8	1,437
M43	South Branch Manitowoc River—mile 29.3 to headwaters	95	6,354	33	0.45	0	13	6,494
M44	Pine Creek (West)—mile 5.1 to 6.3	31	1,203	2.5	0	4,054	14	5,304
M45	Killsnake River—mile 3.4 to 8.2	71	1,268	5.2	0	0	4.9	1,350
M46	Spring Creek—mile 2.6 to headwaters	310	2,642	119	0	0	13	3,083
M47	Unnamed tributary to Branch River	40	1,102	5.4	0	159	6.3	1,313
M48	Unnamed tributary to South Branch Manitowoc River	47	1,582	17	0	819	3.9	2,469
M49	South Branch Manitowoc River—mile 14.8 to 18.8	125	3,817	18	0	0	9.2	3,970
M50	Branch River—mile 28.4 to headwaters	235	5,478	21	0	0	37	5,770
M51	Black Creek	92	1,013	27	0	0	6	1,138
M52	Weyers Lake	9.1	0.22	0.34	0	0	0.01	9.7
M53	Calvin Creek—mile 5.8 to Hartlaub Lake	34	100	3.9	0	0	1.1	139
M54	Gass Lake	25	20	1.6	0	0	0.05	47
M55	Carstens Lake	44	536	9.3	0	0	0.62	589
M56	English Lake	16	53	13	0	0	0.45	83
M57	Bullhead Lake	31	93	6.2	0	0	0.05	129
M58	Round Lake	3.5	1.7	0	0	0	0.02	5.3
M59	Boot Lake	5.4	32	2.1	0	0	0.13	39
M60	Long Lake	66	156	18	0	0	0.09	239
M61	Becker Lake	17	215	1.9	0	0	0.4	234
M62	Grass Lake	20	517	0	0	0	3	540

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
M63	Silver Creek—mile 5 to 9.3	281	4,421	24	12	0	14	4,752
M64	Kellners Lake	42	67	1.4	0	0	0.73	111
M65	Schisel Lake	27	320	0.32	0	0	0.35	347
M66	Hempton Lake	109	2,284	11	0	403	11	2,819
M67	Unnamed lakes/ponds	28	146	0	0	0	0.19	174
M68	Cedar Creek—mile 8.4 to Mud Lake	38	733	2.1	0	0	1.3	774
M69	Unnamed lakes/ponds	6.6	7.5	0.76	0	0	0.09	15
M70	Unnamed lakes/ponds	16	74	0.93	0	0	0.79	92
M71	Lake Oswald	2	7.2	4.6	0	0	0.13	14
M72	Glomski Lake	20	62	1.8	0	0	0.24	84
M73	Kasbaum Lake	17	0.36	3.5	0	0	0.04	20
M74	Unnamed lakes/ponds	15	41	0	0	0	0.15	56
M75	Eaton Twin Lakes (South)	3	6.7	0	0	0	0.07	9.8
M76	Eaton Twin Lakes (North)	1.4	39	0	0	0	0.28	41
M77	Cedar Creek—mile 6 to 8.4	177	1,194	6.9	0	0	1.7	1,380
M78	Vetting Lake	12	100	0.55	0.13	0	0.53	113
M79	Unnamed tributary to Lake Michigan	13	190	21	0	89	1.8	315
M80	Bergene Lake	190	1,993	21	0	0	1.8	2,206
M81	Manitowoc River—mile 16.5 to 18.8	104	1,133	14	0	0	3.9	1,255
M82	Unnamed tributary to South Branch Manitowoc River	26	1,500	8.3	0	0	2.4	1,536
M83	Stony Brook	134	5,567	15	0	0	11	5,727
M84	Unnamed tributary to Killsnake River	54	1,682	8.5	0	0	4.7	1,750
M85	Killsnake River—mile 8.2 to headwaters	309	11,101	24	0	0	30	11,464
M86	North Branch Manitowoc River—mile 11.2 to headwaters	225	8,363	57	0	0	29	8,674
M87	Unnamed tributary to Pine Creek	30	946	12	0	0	3.4	991
M89	Unnamed tributary to Branch River	39	862	4.1	0	0	9.2	914
M90	Unnamed tributary to Lake Michigan	41	197	5.1	47	0	1.6	292
M91	No waterbodies	0	0	0	26	0	0.13	26
M92	Unnamed	21	0	0	184	0	2	208
M93	Unnamed	26	525	12	0	0	2.1	565
M94	No waterbodies	9.7	48	3.3	0	0	0.55	62
M95	Unnamed	32	709	18	0	0	5.9	765
M96	Unnamed tributary to Lake Michigan	39	491	11	0	0	2.9	544

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
M97	Unnamed lake/pond	2.3	15	3.3	0.16	0	0.2	21
M98	No waterbodies	8.4	108	2.6	0	0	0.43	119
M99	No waterbodies	9.6	0	4.9	0.2	0	0.05	15

Total Phosphorus Baseline Loads by Permitted Point Source

Table H.M.TP.2. Total phosphorus baseline loads for each individual permitted point source.

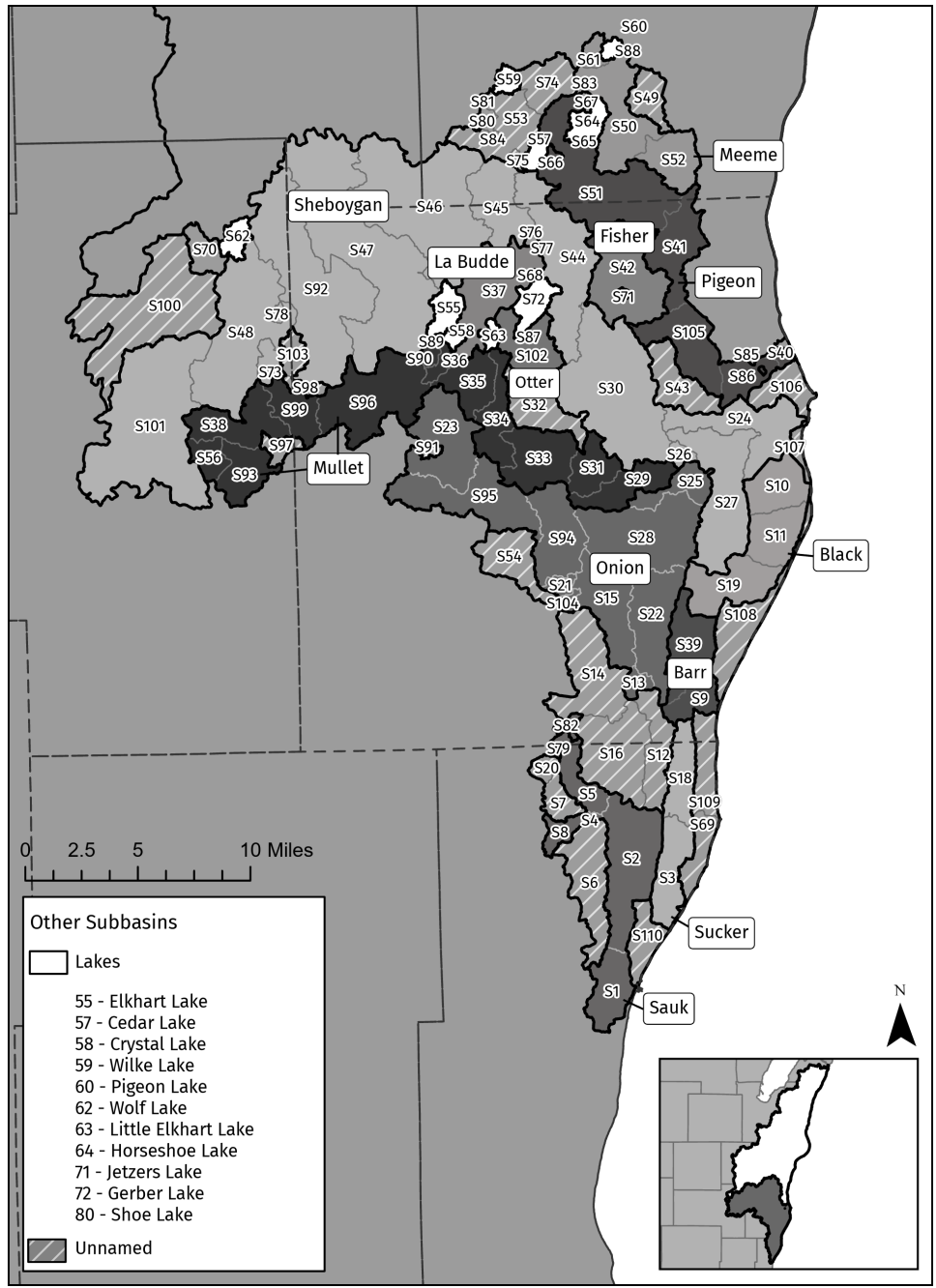
Reach	Facility Name	Permit no.	Outfall no.	Facility Type	Flow (MGD)	Conc. (mg/L)	Frac. of year	Load (lbs/yr.)
M10	BRIESS MALT AND INGREDIENTS CO	66257	1	Industrial	0.826	0.084	0.419	107
M10	BRILLION WASTEWATER TREATMENT FACILITY	20443	1	Municipal	0.590	1	1	2,158
M20	CHILTON WASTEWATER TREATMENT FACILITY	22799	2	Municipal	0.990	1	1	3,624
M14	CLARKS MILLS SANITARY DISTRICT	36030	1	Municipal	0.015	1	1	55
M28	HILBERT WASTEWATER TREATMENT FACILITY	21270	1	Municipal	0.271	1	1	994
M8	HOLY FAMILY CONVENT WASTEWATER TREATMENT FAC	28142	1	Municipal	0.035	1	1	128
M79	KOHLER COMPANY POWER SYSTEMS AMERICAS	795	1	Industrial	0.024	1	1	89
M47	MORRISON SANITARY DISTRICT NO 1	36773	1	Municipal	0.043	1	1	159
M44	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	20893	1	Municipal	1.107	1	1	4,054
M4	NEWTON MEATS AND SAUSAGE	42650	1	Industrial	0.001	0.037	1	0.07
M26	POTTER WASTEWATER TREATMENT FACILITY	29025	1	Municipal	0.037	1	1	135
M25	REEDSVILLE WASTEWATER TREATMENT FACILITY	21342	2	Municipal	0.256	1	1	937
M25	ROCKLAND SD1 WASTEWATER TREATMENT FACILITY	22802	1	Municipal	0.021	1	1	76
M23	ST NAZIANZ WASTEWATER TREATMENT FACILITY	22195	1	Municipal	0.167	1	1	610
M48	TILLAMOOK WISCONSIN LLC	27618	1	Industrial	0.224	1	1	819
M15	VALDERS WASTEWATER TREATMENT FACILITY	21831	1	Municipal	0.231	1	1	847
M66	WHITELAW WASTEWATER TREATMENT FACILITY	22047	1	Municipal	0.110	1	1	403

Total Phosphorus Baseline Loads by MS4

Table H.M.TP.3. Total phosphorus baseline loads for each permitted MS4 and the reaches they drain to.

Municipality	Reach	Area (acres)	Baseline load (lbs/year)
City of Manitowoc	M7	1,163	62
City of Manitowoc	M8	108	5
City of Manitowoc	M10	3,630	237
City of Manitowoc	M11	273	19
City of Manitowoc	M36	2,548	132
City of Manitowoc	M37	819	45
Town of Sheboygan	M40	61	0.92
City of Sheboygan	M41	143	6.1
Town of Sheboygan	M41	774	33
Town of Sheboygan	M42	1,081	42
Town of Taycheedah	M43	4,388	0.45
City of Manitowoc	M63	479	12
City of Manitowoc	M78	41	0.13
City of Manitowoc	M90	539	21
City of Two Rivers	M90	687	27
City of Manitowoc	M91	145	26
City of Manitowoc	M92	1,753	184
Town of Sheboygan	M97	8.1	0.16
City of Manitowoc	M99	31	0.2

Sheboygan River Basin Region



Total Phosphorus Annual Baseline

Table H.S.TP.1. Baseline total phosphorus loads (TP, in pounds per year) by source category for each TMDL subbasin. Some column names have been abbreviated to fit: BG = background load, Agric. = agriculture, NPU = non-permitted urban, IP = individual permits, GP = general permits.

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
S1	Sauk Creek—mouth to 2.3	159	1,682	85	427	0	7.3	2,360
S2	Sauk Creek—mile 2.3 to 11.5	411	10,704	69	1.3	0	12	11,197
S3	Sucker Creek—mouth to mile 5.9	176	4,303	103	0	0	6.5	4,588
S4	Sauk Creek—miles 11.5 to headwaters	7.6	491	1.1	0	0	0.28	501
S5	Unnamed stream	143	4,700	9	0	0	4.1	4,856
S6	Unnamed tributary to Sauk Creek	238	6,010	38	0	0	9	6,295
S7	Unnamed tributary to Sauk Creek	59	785	17	0	0	2.1	863
S8	Sauk Creek—headwaters to mile 2.7	42	1,261	35	0	0	1.9	1,340
S9	Barr Creek—mouth to mile 2	87	1,549	146	0	1,219	4	3,005
S10	Black River—mouth to mile 1.2	222	1,434	6.6	277	0.03	7.9	1,948
S11	Black River—mile 1.2 to 5	252	2,288	41	49	0	6.8	2,637
S12	Unnamed tributary to Onion River	18	709	0	0	2,172	12	2,911
S13	Onion River—mile 16.9 to 18.9	33	689	0.54	0	0	1.8	724
S14	Unnamed tributary to Onion River	621	14,292	30	0	0	13	14,957
S15	Onion River—mile 18.9 to 26.5	187	4,694	31	0	0	13	4,925
S16	Unnamed stream	389	10,715	39	0	0	16	11,159
S18	Sucker Creek—mile 5.9 to headwaters	204	4,264	113	0	0	4.7	4,585
S19	Black River—mile 5 to headwaters	232	4,806	111	0	1,341	9.8	6,500
S20	Unnamed stream	49	1,166	19	0	263	1	1,499
S21	Onion River—mile 26.9 to 27.8	63	593	18	0	0	1.1	676
S22	Onion River—mile 8.6 to 16.9	139	4,329	32	0	201	15	4,715
S23	Onion River—mile 36.7 to headwaters	211	1,160	53	0	0	13	1,436
S24	Sheboygan River—mouth to mile 3.4	161	839	35	513	0	15	1,563
S25	Onion River—mouth to mile 3.1	118	1,575	17	37	0	5.3	1,751
S26	Sheboygan River—mile 67.6 to 77.2	8.2	0.3	4.2	88	0	0.98	102
S27	Sheboygan River—mile 3.4 to 13	457	5,943	89	206	52	67	6,815
S28	Onion River—mile 3.1 to 8.6	222	9,922	36	0.03	0	22	10,202
S29	Mullet River—mouth to mile 5.5	112	1,992	23	28	0	11	2,167
S30	Sheboygan River—mile 13 to 15.1	406	12,569	140	78	344	8	13,544
S31	Mullet River—mile 5.5 to 8.5	67	2,894	1.8	0	0	8.9	2,972

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
S32	Unnamed tributary to Mullet River	140	4,262	119	0	0	15	4,536
S33	Mullet River—mile 8.5 to 13.1	239	4,960	197	0	0	16	5,413
S34	Mullet River—mile 13.1 to 17.7	212	1,660	360	0	6,327	20	8,579
S35	Mullet River—mile 17.7 to 20.6	229	1,997	133	0	0	14	2,373
S36	Mullet River—mile 20.6 to 22.5	43	88	9.1	0	0	1	141
S37	La Budde Creek	269	1,965	93	0	0	22	2,349
S38	Mullet River—mile 33.6 to 35.7	145	639	9.6	0	0	6.9	800
S39	Barr Creek—mile 2 to headwaters	125	4,063	107	0	0	8.5	4,303
S40	Pigeon River—mouth to 0.9	19	31	0	21	0	0.56	71
S41	Pigeon River—mile 10.9 to 18	159	3,464	16	64	1,362	12	5,077
S42	Fisher Creek	311	8,722	31	42	0	14	9,120
S43	Unnamed tributary to Pigeon River	126	3,246	35	28	0	8.8	3,443
S44	Sheboygan River—mile 15.1 to 29	741	9,080	68	0	1,801	19	11,709
S45	Sheboygan River—mile 29 to 40	141	723	48	0	0	8.2	921
S46	Sheboygan River—mile 40 to 43.6	549	4,370	219	0	4,359	95	9,591
S47	Sheboygan River—mile 43.6 to 54.1	559	6,287	64	0	0	38	6,949
S48	Sheboygan River—mile 56 to 62	232	2,434	43	0	82	27	2,818
S49	Unnamed tributary to Meeme River	84	1,712	7.1	0	0	5.4	1,809
S50	Meeme River—headwaters to mile 7.6	763	6,989	40	0	0	12	7,805
S51	Pigeon River—mile 18 to Little Pigeon Lake	1,008	11,593	34	0	0	29	12,664
S52	Meeme River—mile 11.7 to mouth	162	3,217	16	0	0	7.5	3,402
S53	Unnamed tributary to Sheboygan River	176	741	14	0	0	8	939
S54	Unnamed tributary to Onion River	122	3,420	28	0	0	8.2	3,578
S55	Elkhart Lake	127	106	67	0	0	1.7	301
S56	Mullet Lake	63	1,256	7.4	0	0	4.9	1,331
S57	Cedar Lake	60	31	22	0	0	0.56	113
S58	Crystal Lake	42	0	14	0	0	0.15	56
S59	Wilke Lake	43	135	16	0	0	1.6	196
S60	Pigeon Lake	40	12	16	0	0	0.28	68
S61	Little Pigeon Lake	89	404	3.7	0	0	3.3	500
S62	Wolf Lake	35	250	19	0	0	1	305
S63	Little Elkhart Lake	39	0.21	18	0	0	0.18	57

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
S64	Horseshoe Lake	33	236	5.1	0	0	1.8	275
S65	West Lake	2.1	2.4	0	0	0	0.03	4.6
S66	Scout Lake	46	111	0	0	0	0.34	157
S67	Unnamed lakes/ponds	40	126	3.2	0	0	0.44	170
S68	Unnamed lake/pond	1.2	5.5	0.11	0	0	0.06	6.9
S69	Unnamed lakes/ponds	33	16	0.7	0	0	0.18	50
S70	Gitners Lake	22	331	4.6	0	0	3.6	361
S71	Jetzers Lake	8.4	19	1.2	0	0	0.04	28
S72	Gerber Lake	146	1,279	4	0	0	1.7	1,430
S73	Mischos Pond	52	1,267	3.2	0	0	2.3	1,325
S74	Sy Lake	66	724	7.2	0	0	6.8	804
S75	Unnamed lake/pond	14	29	0.48	0	0	0.32	44
S76	Unnamed lake/pond	5.8	9.6	0.46	0	0	0.11	16
S77	Dollar Lake	3.3	0	0.53	0	0	0.01	3.9
S78	Paulys Lake	7.3	20	4.1	0	0	0.26	32
S79	Ludowissi Lake	12	172	3.6	0	0	0.14	188
S80	Shoe Lake	4.4	1.9	0.31	0	0	0.02	6.6
S81	Graf Lake	12	49	1.2	0	0	0.53	62
S82	Grasser Lake	30	553	0.88	0	0	0.65	584
S83	Spring Lake	6	3.4	0.15	0	0	0.04	9.7
S84	Prueder Lake	2.9	0	0	0	0	0	2.9
S85	Sheboygan Quarry	3.4	0	0	8.6	0	0.09	12
S86	Pigeon River—mile 0.9 to 5	100	226	11	140	8.4	4.1	489
S87	Bullet Lake	3.2	6.6	0.71	0	0	0.08	11
S88	Unnamed lake/pond	8.3	111	0	0	0	0.08	120
S89	Mullet River—mile 22.5 to 23.7	10	46	9.2	0	0	0.59	66
S90	Mullet River—mile 23.7 to 23.9	0.83	0	7.6	0	0	0.08	8.5
S91	Unnamed lake/pond	24	52	0	0	0	0.55	77
S92	Sheboygan River—mile 54.1 to 56	373	3,504	22	0	0	3.6	3,903
S93	Mullet River—mile 33.6 to Mullet Lake	104	588	13	0	0	6.4	712
S94	Onion River—mile 27.8 to 30.7	233	6,200	49	0	305	11	6,798
S95	Onion River—mile 30.7 to 36.7	268	2,069	24	0	0	16	2,376
S96	Mullet River—mile 23.9 to to 30.9	351	1,086	44	0	0	12	1,493

(continued)

Rch	Name	BG (lbs/year)	Agric. (lbs/year)	NPU (lbs/year)	MS4 (lbs/year)	IP (lbs/year)	GP (lbs/year)	Total (lbs/year)
S97	Unnamed tributary to Mullet River	32	165	11	0	756	3.9	969
S98	Unnamed tributary to Mullet River	19	115	3.3	0	0	1.3	138
S99	Mullet River—mile 30.9 to 33.6	81	528	16	0	0	5.8	631
S100	Unnamed tributary to Sheboygan River	699	15,703	146	19	595	27	17,190
S101	Sheboygan River—mile 67 to headwaters	585	6,974	69	0	0	35	7,664
S102	Otter Creek	194	3,303	23	0	0	35	3,555
S103	Unnamed tributary to Sheboygan River	47	778	1.9	0	0	1.8	828
S104	Onion River—mile 26.5 to 26.9	32	230	23	0	481	0.68	766
S105	Pigeon River—mile 5 to 10.9	231	3,867	58	54	0	16	4,225
S106	Unnamed tributaries to Lake Michigan	23	0	0	374	0	4	402
S107	Unnamed tributaries to Lake Michigan	2.9	0	0.41	93	0	0.99	97
S108	Unnamed tributaries to Lake Michigan	209	845	97	2.8	0	10	1,164
S109	Unnamed tributaries to Lake Michigan	333	4,464	90	0	0	6.8	4,893
S110	Unnamed tributaries to Lake Michigan	29	1,016	72	200	0	5.3	1,322

Total Phosphorus Baseline Loads by Permitted Point Source

Table H.S.TP.2. Total phosphorus baseline loads for each individual permitted point source.

Reach	Facility Name	Permit no.	Outfall no.	Facility Type	Flow (MGD)	Conc. (mg/L)	Frac. of year	Load (lbs/yr.)
S97	BAKER CHEESE FACTORY INC.	50521	3	Industrial	0.207	1	1	756
S12	BELGIUM WASTEWATER TREATMENT FACILITY	23353	1	Municipal	0.525	1	1	1,920
S30	BEMIS MANUFACTURING COMPANY - PLANT D	27456	1	Industrial	0.382	0.253	1	353
S9	CEDAR GROVE WASTEWATER TRTMNT FACIL	20711	1	Municipal	0.333	1	1	1,219
S20	CEDAR VALLEY CHEESE, INC	51535	11	Industrial	0.072	1	1	263
S22	GIBBSVILLE SANITARY DISTRICT	31577	1	Municipal	0.055	1	1	201
S41	HOWARDS GROVE WASTEWATER TRTMT FAC	21679	1	Municipal	0.372	1	1	1,362
S44	JOHNSONVILLE LLC	1759	2	Industrial	0.423	1	1	1,548
S44	JOHNSONVILLE LLC	1759	3	Industrial	0.002	0.046	1	0.42
S46	KIEL WASTEWATER TREATMENT FACILITY	20141	1	Municipal	1.191	1	1	4,359
S44	LAKELAND UNIVERSITY	29335	4	Municipal	0.069	1	1	253
S12	LAKESIDE FOODS, INC. - BELGIUM PLANT	817	4	Industrial	0.069	1	1	252
S100	MOUNT CALVARY WASTEWATER TREATMENT FACILITY	35963	1	Municipal	0.163	1	1	595
S104	ONION RIVER WASTEWATER COMMISSION	36811	1	Municipal	0.131	1	1	481
S19	OOSTBURG WASTEWATER TREATMENT PLANT	22233	1	Municipal	0.366	1	1	1,341
S86	PLASTICS ENGINEERING COMPANY	66681	101	Industrial	0.012	0.230	1	9.8
S34	PLYMOUTH UTILITIES WWTF	30031	1	Municipal	1.610	1	1	5,893
S27	POLY VINYL COMPANY INC	66699	1	Industrial	0.055	0.277	1	56
S34	SARTORI COMPANY-WEST MAIN BUILDING	41904	1	Industrial	0.119	1	1	434
S48	ST CLOUD VILLAGE UTILITY COMMISSION	26867	1	Municipal	0.142	1	0.159	82
S94	WALDO WASTEWATER UTILITY	22471	1	Municipal	0.083	1	1	305
S10	WISCONSIN POWER AND LIGHT EDGEWATER GEN. STATION	1589	14	Industrial	0.001	0.013	1	0.03

Total Phosphorus Baseline Loads by MS4

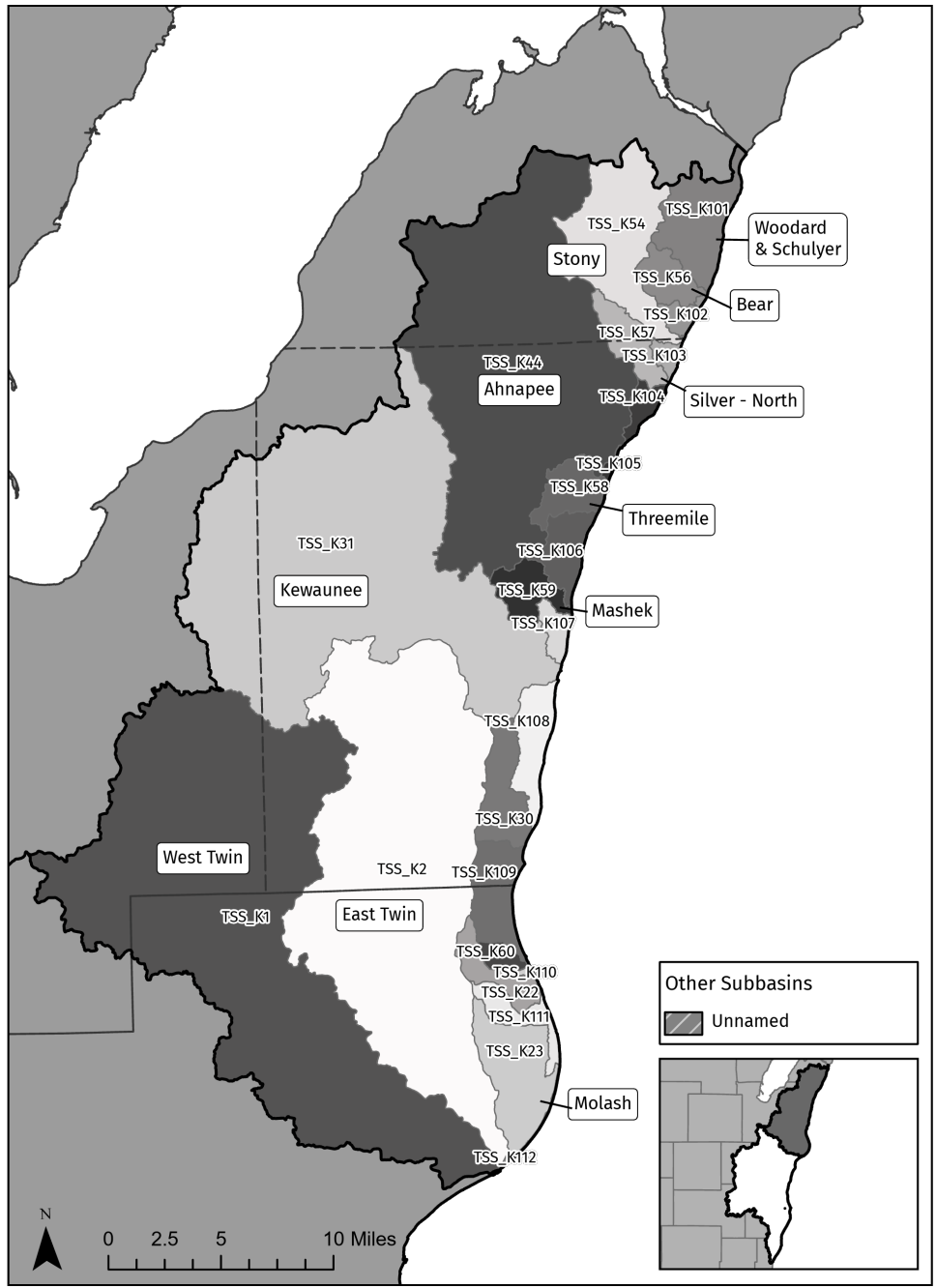
Table H.S.TP.3. Annual Total phosphorus baseline loads for each permitted MS4 and the reaches they drain to.

Municipality	Reach	Area (acres)	Baseline load (lbs/year)
City of Port Washington	S1	2,224	427
City of Port Washington	S2	14	1.3
City of Sheboygan	S10	1,964	168
Town of Sheboygan	S10	7.5	0.64
Town of Wilson	S10	1,262	108
City of Sheboygan	S11	510	7.3
Town of Wilson	S11	2,953	42
Village of Kohler	S24	974	96
City of Sheboygan	S24	3,123	309
City of Sheboygan Falls	S24	224	22
Town of Sheboygan	S24	832	82
Town of Wilson	S24	32	3.1
Village of Kohler	S25	22	0.8
City of Sheboygan Falls	S25	621	22
Town of Wilson	S25	390	14
City of Sheboygan Falls	S26	568	88
Village of Kohler	S27	2,311	59
City of Sheboygan	S27	113	2.9
City of Sheboygan Falls	S27	698	18
Town of Sheboygan	S27	61	1.5
Town of Wilson	S27	4,923	125
City of Sheboygan Falls	S28	6.8	0.03
Town of Wilson	S28	1.8	0.01
City of Sheboygan Falls	S29	284	28
City of Sheboygan Falls	S30	1,139	78
City of Sheboygan	S40	144	6.7
Town of Sheboygan	S40	308	14
Village of Howards Grove	S41	562	64
Village of Howards Grove	S42	406	42
Village of Kohler	S43	196	9.1

(continued)

Municipality	Reach	Area (acres)	Baseline load (lbs/year)
Town of Sheboygan	S43	405	19
Village of Kohler	S86	38	2.4
City of Sheboygan	S86	680	43
Town of Sheboygan	S86	1,493	94
Town of Taycheedah	S100	6,423	19
Village of Howards Grove	S105	472	13
Town of Sheboygan	S105	1,497	41
City of Sheboygan	S106	2,374	337
Town of Sheboygan	S106	264	37
City of Sheboygan	S107	599	86
Town of Wilson	S107	51	7.3
City of Sheboygan	S108	121	0.4
Town of Wilson	S108	714	2.4
City of Port Washington	S110	824	200

Door/Kewaunee Region



Total Suspended Solids Annual Baseline

Table H.K.TSS.1. Baseline total suspended solids (TSS, in short tons per year) by source category for each TMDL subbasin. Some column names have been abbreviated to fit: BG = background load, Agric. = agriculture, NPU = non-permitted urban, IP = individual permits, GP = general permits.

Rch	Name	BG (tons/year)	Agric. (tons/year)	NPU (tons/year)	MS4 (tons/year)	IP (tons/year)	GP (tons/year)	Total (tons/year)
TSS_K1	West Twin River	637	7,415	54	3.1	39	64	8,213
TSS_K2	East Twin River	219	3,040	17	2.9	19	33	3,331
TSS_K22	Unnamed	4.3	149	0.79	0	0	1.6	156
TSS_K23	Molash Creek	10	165	1.4	0.7	0	1.8	180
TSS_K30	Unnamed	3.2	282	1	0	0	3	289
TSS_K31	Kewaunee River	50	817	7.3	0	4.7	8.8	888
TSS_K44	Ahnapee River	25	521	9.6	0	9.6	5.7	570
TSS_K54	Stony Creek	16	132	1.5	0	0	1.4	152
TSS_K56	Bear Creek	8.7	52	0.62	0	0	0.56	62
TSS_K57	Silver Creek (North)	1.9	27	0.28	0	0	0.3	30
TSS_K58	Threemile Creek	7.9	51	2	0	0	0.56	61
TSS_K59	Mashek Creek	2.7	85	0.71	0	0	0.91	89
TSS_K60	Unnamed	2.3	56	1.1	0	0	0.61	60
TSS_K87	NA	0	0	0	0.51	0	0	0.51
TSS_K101	Woodard and Schulyer Creeks	7.9	143	1.7	0	0	1.5	155
TSS_K102	Unnamed	2	16	0.42	0	0	0.17	18
TSS_K103	Unnamed	0.8	6.7	0.18	0	0	0.07	7.7
TSS_K104	Unnamed	0.59	12	1.3	0	0	0.14	14
TSS_K105	Unnamed	0.12	0.22	1.7	0	0	0.02	2.1
TSS_K106	Unnamed	2.7	159	1.9	0	0	1.7	165
TSS_K107	Unnamed	1.8	59	1.7	0	0	0.64	63
TSS_K108	Unnamed	4.9	267	5.3	0	0	2.9	280
TSS_K109	Unnamed	17	433	4.6	0	0	3.3	458
TSS_K110	Unnamed	0.26	7.6	0.11	0	0	0.08	8
TSS_K111	Unnamed	4.6	62	2.5	0	0	0.69	70
TSS_K112	Unnamed	0	0	0.74	1.5	0	0.02	2.2

Total Suspended Solids Baseline Loads by Permitted Point Source

Table H.K.TSS.2. Total Suspended Solids baseline loads for each individual permitted point source.

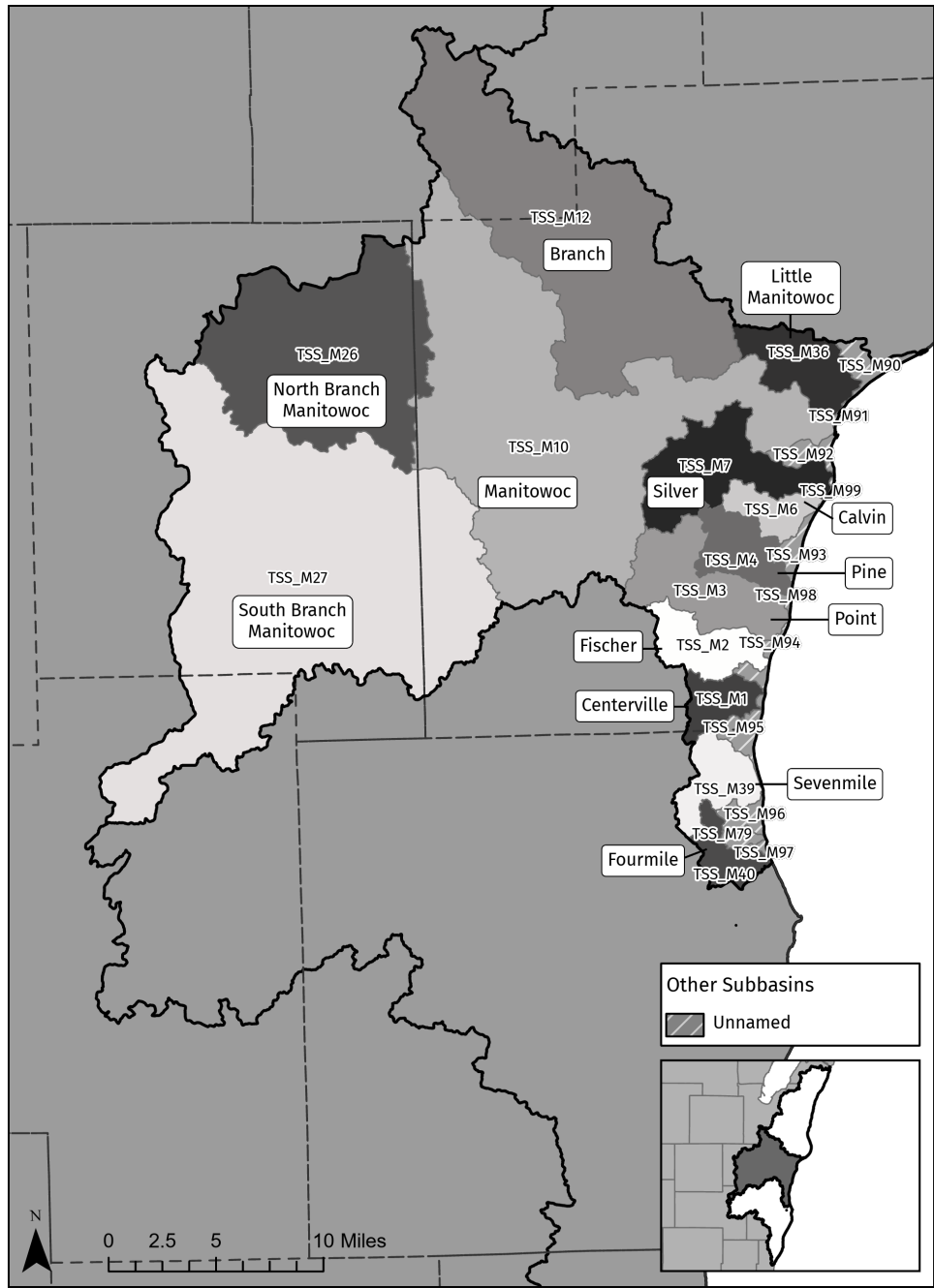
Reach	Facility Name	Permit no.	Outfall no.	Facility Type	Flow (MGD)	Conc. (mg/L)	Frac. of year	Load (lbs/yr.)
TSS_K2	AGROPUR INC. - LUXEMBURG	50237	9	Industrial	0.565	20.000	1	41,387
TSS_K44	ALGOMA WASTEWATER TREATMENT FACILITY	20745	1	Municipal	0.833	10.000	1	30,482
TSS_K1	BELGIOIOSO CHEESE, INC. - DENMARK	51128	7	Industrial	0.396	20.000	1	28,989
TSS_K31	CASCO WASTEWATER TREATMENT FACILITY	23566	1	Municipal	0.149	10.000	1	5,456
TSS_K1	DENMARK WASTEWATER TREATMENT FACILITY	21741	1	Municipal	0.604	20.000	1	44,198
TSS_K44	FORESTVILLE WASTEWATER TREATMENT FACILITY	28894	1	Municipal	0.099	30.000	1	10,916
TSS_K31	KEWAUNEE WASTEWATER TREATMENT FACILITY	20176	1	Municipal	0.449	30.000	1	49,332
TSS_K1	KOSSUTH SANITARY DISTRICT NO. 2 WWTF	35874	1	Municipal	0.034	20.000	1	2,473
TSS_K1	MARIBEL WASTEWATER TREATMENT FACILITY	61051	2	Municipal	0.040	20.000	1	2,926
TSS_K1	NEW ORGANIC DIGESTION LLC	64629	6	Industrial	0.001	4.073	1	8.7

Total Suspended Solids Baseline Loads by MS4

Table H.K.TSS.3. Total Suspended Solids baseline loads for each permitted MS4 and the reaches they drain to.

Municipality	Reach	Area (acres)	Baseline load (lbs/year)
City of Manitowoc	TSS_K1	11	37
City of Two Rivers	TSS_K1	1,806	6,225
City of Two Rivers	TSS_K2	1,099	5,866
City of Two Rivers	TSS_K23	404	1,396
City of Two Rivers	TSS_K87	7	1,025
City of Two Rivers	TSS_K112	144	2,922

Manitowoc River Basin Region



Total Suspended Solids Annual Baseline

Table H.M.TSS.1. Baseline total suspended solids (TSS, in short tons per year) by source category for each TMDL subbasin. Some column names have been abbreviated to fit: BG = background load, Agric. = agriculture, NPU = non-permitted urban, IP = individual permits, GP = general permits.

Rch	Name	BG (tons/year)	Agric. (tons/year)	NPU (tons/year)	MS4 (tons/year)	IP (tons/year)	GP (tons/year)	Total (tons/year)
TSS_M1	Centerville Creek	14	168	6.8	0	0	0.51	189
TSS_M2	Fischer Creek	12	330	3.2	0	0	1	346
TSS_M3	Point Creek	93	508	5	0	0	1.2	607
TSS_M4	Pine Creek	26	323	7.5	0	0	0.8	358
TSS_M6	Calvin Creek	27	109	3.4	0	0	0.38	140
TSS_M7	Silver Creek	76	622	11	7.4	1.9	1.8	720
TSS_M10	Manitowoc River	438	3,534	40	18	61	11	4,102
TSS_M12	Branch River	231	2,859	14	0	5.6	8.5	3,119
TSS_M26	North Branch Manitowoc River	92	1,634	23	0	11	7.4	1,767
TSS_M27	South Branch Manitowoc River	119	5,358	43	0.05	54	17	5,590
TSS_M36	Little Manitowoc River	21	230	4.7	12	0	1.1	268
TSS_M39	Sevenmile Creek	6.2	348	5.9	0	0	0.9	361
TSS_M40	Fourmile Creek	4.2	123	4.5	7.2	0	0.59	140
TSS_M79	Unnamed	0.78	16	3.5	0	0.22	0.12	20
TSS_M90	Unnamed	1	8.6	0.74	2.8	0	0.13	13
TSS_M91	Unnamed	0	0	0	3.6	0	0.02	3.6
TSS_M92	Unnamed	0.71	0	0	13	0	0.14	14
TSS_M93	Unnamed	0.53	24	1.1	0	0	0.15	26
TSS_M94	Unnamed	0.4	3.1	0.33	0	0	0.04	3.9
TSS_M95	Unnamed	0.95	48	1.8	0	0	0.35	51
TSS_M96	Unnamed	2.4	46	1.6	0	0	0.19	50
TSS_M97	Unnamed	0.07	1.1	0.38	0.03	0	0.02	1.6
TSS_M98	Unnamed	0.31	4.9	0.29	0	0	0.03	5.5
TSS_M99	Unnamed	0.5	0	0.85	0.04	0	0.01	1.4

Total Suspended Solids Baseline Loads by Permitted Point Source

Table H.M.TSS.2. Total Suspended Solids baseline loads for each individual permitted point source.

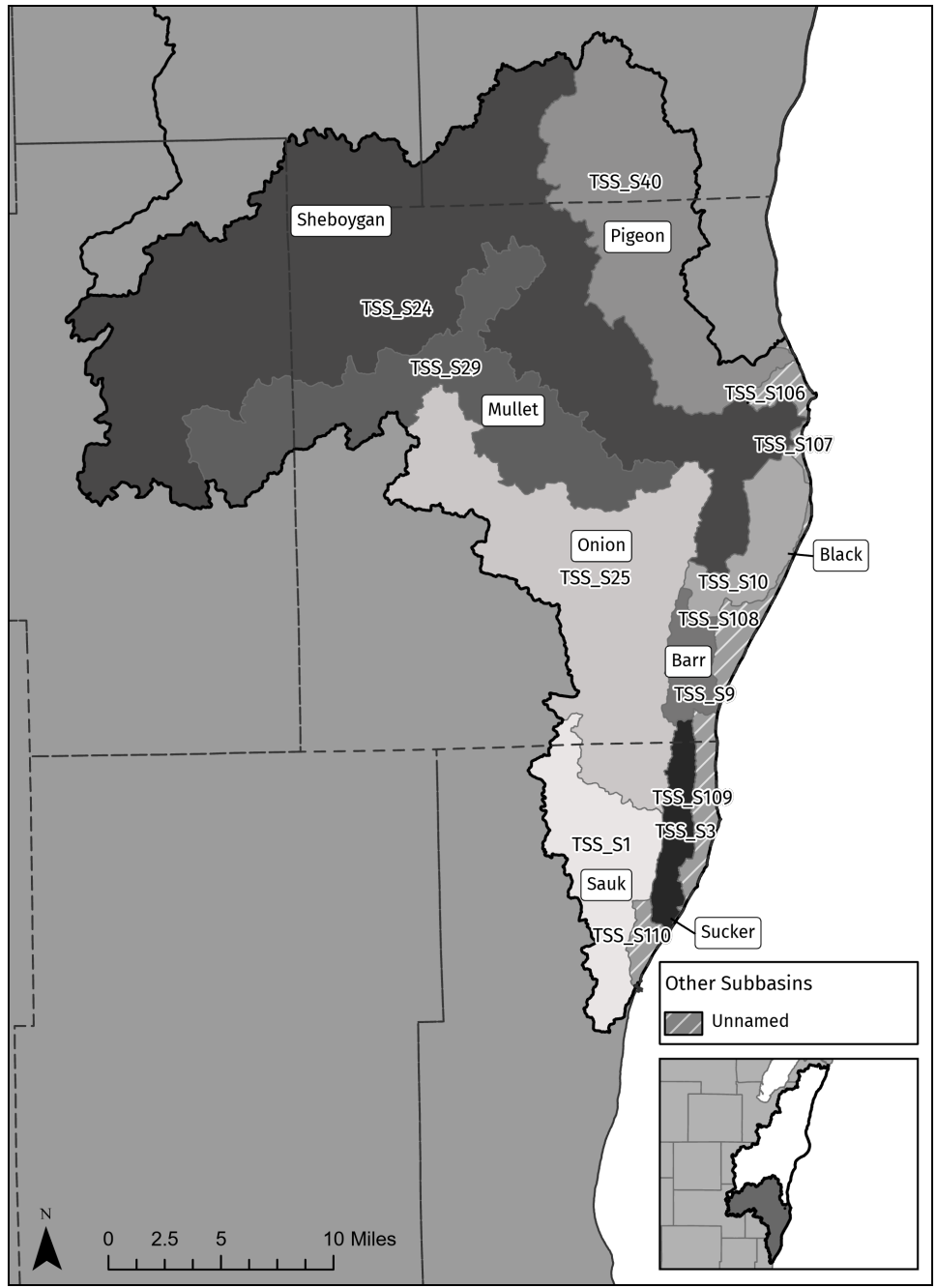
Reach	Facility Name	Permit no.	Outfall no.	Facility Type	Flow (MGD)	Conc. (mg/L)	Frac. of year	Load (lbs/yr.)
TSS_M10	BRIESS MALT AND INGREDIENTS CO	66257	1	Industrial	0.826	22.986	0.419	29,122
TSS_M10	BRILLION WASTEWATER TREATMENT FACILITY	20443	1	Municipal	0.590	20.000	1	43,162
TSS_M27	CHILTON WASTEWATER TREATMENT FACILITY	22799	2	Municipal	0.990	12.500	1	45,303
TSS_M10	CLARKS MILLS SANITARY DISTRICT	36030	1	Municipal	0.015	60.000	1	3,292
TSS_M26	HILBERT WASTEWATER TREATMENT FACILITY	21270	1	Municipal	0.271	20.000	1	19,874
TSS_M7	HOLY FAMILY CONVENT WASTEWATER TREATMENT FAC	28142	1	Municipal	0.035	30.000	1	3,841
TSS_M79	KOHLER COMPANY POWER SYSTEMS AMERICAS	795	1	Industrial	0.024	4.837	1	433
TSS_M12	MORRISON SANITARY DISTRICT NO 1	36773	1	Municipal	0.043	20.000	1	3,183
TSS_M27	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	20893	1	Municipal	1.107	20.000	1	81,081
TSS_M4	NEWTON MEATS AND SAUSAGE	42650	1	Industrial	0.001	2.400	1	4.7
TSS_M26	POTTER WASTEWATER TREATMENT FACILITY	29025	1	Municipal	0.037	20.000	1	2,694
TSS_M10	REEDSVILLE WASTEWATER TREATMENT FACILITY	21342	2	Municipal	0.256	20.000	1	18,736
TSS_M10	ROCKLAND SD1 WASTEWATER TREATMENT FACILITY	22802	1	Municipal	0.021	60.000	1	4,572
TSS_M10	ST NAZIANZ WASTEWATER TREATMENT FACILITY	22195	1	Municipal	0.167	10.000	1	6,096
TSS_M27	TILLAMOOK WISCONSIN LLC	27618	1	Industrial	0.224	20.000	1	16,381
TSS_M10	VALDERS WASTEWATER TREATMENT FACILITY	21831	1	Municipal	0.231	20.000	1	16,931
TSS_M12	WHITELAW WASTEWATER TREATMENT FACILITY	22047	1	Municipal	0.110	20.000	1	8,068

Total Suspended Solids Baseline Loads by MS4

Table H.M.TSS.3. Total Suspended Solids baseline loads for each permitted MS4 and the reaches they drain to.

Municipality	Reach	Area (acres)	Baseline load (lbs/year)
City of Manitowoc	TSS_M7	1,790	14,822
City of Manitowoc	TSS_M10	3,904	35,109
Town of Taycheedah	TSS_M27	4,388	92
City of Manitowoc	TSS_M36	3,367	23,780
City of Sheboygan	TSS_M40	143	1,009
Town of Sheboygan	TSS_M40	1,916	13,477
City of Manitowoc	TSS_M90	539	2,506
City of Two Rivers	TSS_M90	687	3,190
City of Manitowoc	TSS_M91	145	7,129
City of Manitowoc	TSS_M92	1,753	26,449
Town of Sheboygan	TSS_M97	8.1	66
City of Manitowoc	TSS_M99	31	82

Sheboygan River Basin Region



Total Suspended Solids Annual Baseline

Table H.S.TSS.1. Baseline total suspended solids (TSS, in short tons per year) by source category for each TMDL subbasin. Some column names have been abbreviated to fit: BG = background load, Agric. = agriculture, NPU = non-permitted urban, IP = individual permits, GP = general permits.

Rch	Name	BG (tons/year)	Agric. (tons/year)	NPU (tons/year)	MS4 (tons/year)	IP (tons/year)	GP (tons/year)	Total (tons/year)
TSS_S1	Sauk Creek	61	1,791	25	29	1.3	8.4	1,915
TSS_S3	Sucker Creek	29	710	15	0	0	2.5	756
TSS_S9	Barr Creek	13	394	15	0	12	2.6	438
TSS_S10	Black River	9	164	2.8	4.2	4	1.9	186
TSS_S24	Sheboygan River	201	4,732	39	19	22	48	5,060
TSS_S25	Onion River	166	4,084	33	2.7	37	19	4,341
TSS_S29	Mullet River	134	1,910	71	1.7	42	16	2,174
TSS_S40	Pigeon River	184	2,946	23	21	6.8	14	3,195
TSS_S106	Unnamed	0.34	0	0	13	0	0.14	14
TSS_S107	Unnamed	0.19	0	0.18	4.9	0	0.05	5.3
TSS_S108	Unnamed	5.9	207	5.2	0.49	0	2.1	220
TSS_S109	Unnamed	28	345	6.5	0	0	1.7	381
TSS_S110	Unnamed	2.5	165	6	15	0	1	189

Total Suspended Solids Baseline Loads by Permitted Point Source

Table H.S.TSS.2. Total Suspended Solids baseline loads for each individual permitted point source.

Reach	Facility Name	Permit no.	Outfall no.	Facility Type	Flow (MGD)	Conc. (mg/L)	Frac. of year	Load (lbs/yr.)
TSS_S29	BAKER CHEESE FACTORY INC.	50521	3	Industrial	0.207	20.000	1	15,128
TSS_S25	BELGIUM WASTEWATER TREATMENT FACILITY	23353	1	Municipal	0.525	20.000	1	38,407
TSS_S24	BEMIS MANUFACTURING COMPANY - PLANT D	27456	1	Industrial	0.382	2.291	1	3,200
TSS_S9	CEDAR GROVE WASTEWATER TRTMT FACIL	20711	1	Municipal	0.333	20.000	1	24,385
TSS_S1	CEDAR VALLEY CHEESE, INC	51535	11	Industrial	0.072	10.000	1	2,633
TSS_S25	GIBBSVILLE SANITARY DISTRICT	31577	1	Municipal	0.055	30.000	1	6,020
TSS_S40	HOWARDS GROVE WASTEWATER TRTMT FAC	21679	1	Municipal	0.372	10.000	1	13,616
TSS_S24	JOHNSONVILLE LLC	1759	2	Industrial	0.423	7.997	1	12,376
TSS_S24	JOHNSONVILLE LLC	1759	3	Industrial	0.002	3.477	1	32
TSS_S24	KIEL WASTEWATER TREATMENT FACILITY	20141	1	Municipal	1.191	12.500	1	54,486
TSS_S24	LAKELAND UNIVERSITY	29335	4	Municipal	0.069	30.000	1	7,590
TSS_S25	LAKESIDE FOODS, INC. - BELGIUM PLANT	817	4	Industrial	0.069	20.000	1	5,031
TSS_S24	MOUNT CALVARY WASTEWATER TREATMENT FACILITY	35963	1	Municipal	0.163	20.000	1	11,900
TSS_S25	ONION RIVER WASTEWATER COMMISSION	36811	1	Municipal	0.131	30.000	1	14,419
TSS_S10	OOSTBURG WASTEWATER TREATMENT PLANT	22233	1	Municipal	0.366	20.000	1	26,824
TSS_S40	PLASTICS ENGINEERING COMPANY	66681	101	Industrial	0.012	2.000	1	85
TSS_S29	PLYMOUTH UTILITIES WWTF	30031	1	Municipal	1.610	14.000	1	82,496
TSS_S24	POLY VINYL COMPANY INC	66699	1	Industrial	0.055	2.060	1	418
TSS_S29	SARTORI COMPANY-WEST MAIN BUILDING	41904	1	Industrial	0.119	2.269	1	985
TSS_S24	ST CLOUD VILLAGE UTILITY COMMISSION	26867	1	Municipal	0.142	60.000	0.159	4,941
TSS_S25	WALDO WASTEWATER UTILITY	22471	1	Municipal	0.083	30.000	1	9,144
TSS_S10	WISCONSIN POWER AND LIGHT EDGEWATER GEN. STATION	1589	14	Industrial	0.001	1.425	1	3.5

Total Suspended Solids Baseline Loads by MS4

Table H.S.TSS.3. Total Suspended Solids baseline loads for each permitted MS4 and the reaches they drain to.

Municipality	Reach	Area (acres)	Baseline load (lbs/year)
City of Port Washington	TSS_S1	2,238	58,366
City of Sheboygan	TSS_S10	2,474	3,071
Town of Sheboygan	TSS_S10	7.5	9.3
Town of Wilson	TSS_S10	4,215	5,232
Village of Kohler	TSS_S24	3,285	5,849
City of Sheboygan	TSS_S24	3,236	5,762
City of Sheboygan Falls	TSS_S24	2,630	4,682
Town of Sheboygan	TSS_S24	892	1,589
Town of Taycheedah	TSS_S24	6,423	11,438
Town of Wilson	TSS_S24	4,954	8,822
Village of Kohler	TSS_S25	22	117
City of Sheboygan Falls	TSS_S25	628	3,295
Town of Wilson	TSS_S25	392	2,056
City of Sheboygan Falls	TSS_S29	284	3,321
Village of Howards Grove	TSS_S40	1,440	9,884
Village of Kohler	TSS_S40	234	1,603
City of Sheboygan	TSS_S40	824	5,659
Town of Sheboygan	TSS_S40	3,703	25,414
City of Sheboygan	TSS_S106	2,374	23,798
Town of Sheboygan	TSS_S106	264	2,643
City of Sheboygan	TSS_S107	599	9,008
Town of Wilson	TSS_S107	51	769
City of Sheboygan	TSS_S108	121	142
Town of Wilson	TSS_S108	714	835
City of Port Washington	TSS_S110	824	29,393