

## **APPENDIX G. BASELINE LOAD TABLES**

**Table 1. Baseline total phosphorus loads (TP, in pounds per year) by source category for each TMDL subbasin. Loads for TMDL subbasins 55, 56, 58, 59, 80, and 81 (marked with an asterisk, \*) do not include TP loads from point and nonpoint sources on tribal lands in each subbasin. Baseline TP loads for sources on tribal lands are reported separately in Table 2.**

TMDL Subbasin ID and Name	Background TP	Agricultural Nonpoint TP	Non-Regulated Urban TP	General Permits TP	Regulated MS4 Urban TP	Individual Permits TP	Total TP
1 Upper Neenah Creek	1,085	3,881	209	21	0	195	5,391
2 Tributary to Mason Lake	181	806	19	2	0	0	1,008
3 Mason Lake	202	3,202	135	13	0	0	3,552
4 Neenah Creek	1,039	6,982	388	39	14	0	8,462
5 Park Lake	522	9,630	291	29	0	0	10,472
6 Swan Lake	172	925	209	21	0	0	1,327
7 Buffalo Lake Inflow	1,901	9,736	534	53	174	0	12,398
8 Westfield Creek	1,111	4,123	316	32	0	865	6,447
9 Buffalo Lake	1,083	4,731	688	69	0	168	6,739
10 Montello River	1,882	8,452	637	64	0	0	11,035
11 Little Green Lake	6	320	88	9	0	0	423
12 Upper Grand River	25	8,929	84	8	0	1,263	10,309
13 Tributary to Grand River	51	4,085	50	5	0	81	4,272
14 Middle Grand River	220	3,442	87	9	0	61	3,819
15 Lower Grand River	1,092	7,673	281	28	0	0	9,074
16 Lake Puckaway	682	3,600	532	53	0	914	5,781
17 Roy Creek	13	938	4	0.4	0	0	955
18 Wuerches Creek	10	1,730	11	1	0	0	1,752
19 Silver Creek - Below South Koro Road	35	1,040	20	2	0	0	1,097
20 Green Lake	133	1,652	203	20	0	0	2,008
21 Mekan River	3,643	16,767	1,209	121	0	0	21,740
22 Upper White River	1,204	3,537	515	52	0	3,123	8,431
23 Lower White River	1,437	5,229	677	68	0	137	7,548
24 Fox River - Downstream Lake Puckaway	1,143	5,693	475	47	0	1,085	8,443
25 Puchyan River	165	1,453	86	9	0	1,523	3,236
26 Harrington Creek	22	566	25	2	0	19	634
27 Waukau Creek	262	8,598	151	15	0	0	9,026
28 Fox River - White River to Omro	1,286	9,946	506	51	0	4,570	16,359
29 Fox River - Omro to Lake Butte des Morts	36	1,072	79	8	0	2,053	3,248
30 Sawyer Creek	0	1,527	40	4	141	0	1,712
31 Spring Brook	16	2,731	52	5	0	0	2,804
32 Van Dyne Creek	19	1,046	21	2	0	0	1,088

TMDL Subbasin ID and Name		Background TP	Agricultural Nonpoint TP	Non-Regulated Urban TP	General Permits TP	Regulated MS4 Urban TP	Individual Permits TP	Total TP
33	Anderson Creek	0	476	11	1	8	0	496
34	Mosher Creek	0	224	7	1	35	0	267
35	Tributary to West Branch Fond du Lac River	14	2,214	27	3	0	671	2,929
36	Sevenmile Creek	62	6,026	35	3	0	0	6,126
37	Campground Creek	24	3,605	29	3	0	929	4,590
38	De Neveu Creek	0	57	1	0.1	0	0	58
39	Tributary to De Neveu Creek	25	680	18	2	15	561	1,301
40	Tributary to Parsons Creek	3	558	10	1	0	0	572
41	Upper Parsons Creek	9	1,115	5	1	0	0	1,130
42	Parsons Creek	8	790	8	1	0	0	807
43	East Branch Fond du Lac River	72	10,629	83	8	196	0	10,988
44	West Branch Fond du Lac River	396	26,610	194	19	99	0	27,318
45	Carpenter Creek	199	722	53	5	0	0	979
46	Mud Creek	17	1,239	20	2	0	347	1,625
47	Pine River	2,610	4,223	766	77	0	949	8,625
48	Willow Creek	2,091	9,820	683	68	0	993	13,655
49	Tributary to Rat River	153	2,616	47	5	0	183	3,004
50	Rat River	672	8,108	287	29	22	0	9,118
51	Arrowhead River	35	4,509	81	8	0	146	4,779
52	Bear Creek (Wolf)	286	14,775	125	12	93	73	15,364
53	Shioc River	1,189	13,325	354	35	0	96	14,999
54	White Clay Lake	20	396	12	1	0	0	429
55*	Upper Wolf River	13,052	21,837	6,694	669	0	1,970	44,222
56*	Shawano Lake	1,047	4,332	626	63	0	0	6,068
57	Long Lake	96	843	37	4	0	116	1,096
58*	Upper Embarrass River	4,829	23,757	1,167	116	0	1,729	31,598
59*	Middle Embarrass River	3,138	17,579	846	85	0	620	22,268
60	Pigeon River	1,466	11,150	538	54	0	3,156	16,364
61	Lower Little Wolf River	289	5,760	75	7	0	0	6,131
62	School Section Lake	14	346	9	1	0	0	370
63	Tree Lake	99	292	32	3	0	0	426
64	Bear Creek (Embarrass)	122	2,474	54	5	0	305	2,960
65	Collins Lake	36	484	11	1	0	0	532
66	Waupaca River	3,778	26,648	1,450	145	0	8,216	40,237
67	Wolf River – Shawano to Shioc River	2,048	18,422	846	85	0	14,105	35,506

TMDL Subbasin ID and Name		Background TP	Agricultural Nonpoint TP	Non-Regulated Urban TP	General Permits TP	Regulated MS4 Urban TP	Individual Permits TP	Total TP
68	Wolf River - Shioc River to Bear Creek	350	9,371	155	16	0	460	10,352
69	Wolf River - Bear Creek to Embarrass River	215	3,967	176	18	0	1,523	5,899
70	Lower Embarrass River	860	16,315	263	26	0	9	17,473
71	Wolf River - Embarrass River to Lake Poygan	2,856	17,166	1,032	103	0	9,114	30,271
72	Lake Poygan and Lake Winneconne	6,535	9,216	449	45	0	398	16,643
73	Lake Butte des Morts	2,855	3,505	191	19	179	2,605	9,354
74	Fox River - Lake Butte des Morts to Lake Winnebago	0	20	2	0.2	113	60,928	61,063
75	Lake Winnebago	38,074	9,814	695	69	724	33,839	83,215
76	Crane Lake	142	0	86	9	0	0	237
77	Upper Post Lake	1,777	1,772	1,688	169	0	0	5,406
78	Pine Lake	450	483	419	42	0	0	1,394
79	Hill Creek	3	534	3	0.3	0	0	540
80*	Wolf River - Upper Post Lake to Hunting River	4,697	2,657	3,338	335	0	1,070	12,097
81*	Upper Little Wolf River	8,865	41,301	2,086	209	0	1,167	53,628
82	Black Otter Lake	81	5,044	62	6	0	0	5,193
83	Big Twin Lake	9	445	11	1	0	0	466
84	Lake Emily	7	385	25	3	0	0	420
85	Old Taylor Lake	5	9	13	1	0	0	28
86	Spring Lake	93	1,068	34	3	0	0	1,198
87	Silver Creek - Above South Koro Road	41	3,521	111	11	0	5,484	9,168
88	Fond du Lac River	0	29	0.1	0.01	39	0	68
89	Black Creek	181	4,793	192	19	0	2,781	7,966

**Table 2. Baseline total phosphorus loads (in pounds per year) from tribal lands by source category for each TMDL subbasin.**

TMDL Subbasin ID & Name		Tribal Area	Background TP	Agricultural Nonpoint TP	Non-Regulated Urban TP	General Permit TP	Regulated MS4 Urban TP	Individual Permits TP	Total TP
55	Upper Wolf River	Menominee Reservation	9,058	1,977	4,007	401	0	13	15,456
		Menominee Off-Reservation Trust Land	34	252	45	4	0	213	548
		Stockbridge Munsee Community	712	166	165	17	0	198	1,258
56	Shawano Lake	Menominee Reservation	333	58	76	8	0	0	475
58	Upper Embarrass River	Ho-Chunk Nation Off-Reservation Trust Land	19	136	5	0.5	0	0	161
59	Middle Embarrass River	Stockbridge Munsee Community	96	7	14	1	0	0	118
80	Wolf River - Upper Post Lake to Hunting River	Forest County Potawatomi Community	84	27	83	8	0	0	202
		Sokaogon Chippewa Community	1	0	0	0	0	24	25
		Forest County Potawatomi Off-Reservation Trust Land	85	103	72	7	0	0	267
		Sokaogon Chippewa Off-Reservation Trust Land	60	39	14	1	0	0	114
81	Upper Little Wolf River	Ho-Chunk Nation Off-Reservation Trust Land	7	3	0.3	0.03	0	0	10

**Table 3. Baseline sediment loads (as total suspended solids [TSS], in pounds per year) by source category for each TMDL subbasin. Loads for TMDL subbasins 55, 56, 58, 59, 80, and 81 (marked with an asterisk, \*) do not include TSS loads from point and nonpoint sources on tribal lands in each subbasin. Baseline TSS loads for sources on tribal lands are reported separately in Table 4.**

TMDL Subbasin ID and Name	Background TSS	Agricultural Nonpoint TSS	Non-Regulated Urban TSS	General Permits TSS	Regulated MS4 Urban TSS	Individual Permits TSS	Total TSS
1 Upper Neenah Creek	30,920	1,085,829	16,715	1,672	0	5,849	1,140,985
2 Tributary to Mason Lake	9,113	315,052	2,086	209	0	0	326,459
3 Mason Lake	24,853	1,880,053	9,825	983	0	0	1,915,714
4 Neenah Creek	35,926	1,666,033	21,286	2,129	3,361	0	1,728,735
5 Park Lake	55,176	3,054,238	14,831	1,483	0	0	3,125,728
6 Swan Lake	12,330	180,544	5,446	545	0	0	198,865
7 Buffalo Lake Inflow	90,007	928,613	14,300	1,430	8,044	0	1,042,395
8 Westfield Creek	95,857	827,678	33,840	3,384	0	38,080	998,839
9 Buffalo Lake	56,110	3,362,422	41,535	4,153	0	3,351	3,467,572
10 Montello River	84,502	1,436,719	47,503	4,750	0	0	1,573,475
11 Little Green Lake	2,678	109,249	1,428	143	0	0	113,497
12 Upper Grand River	1,727	3,578,780	12,102	1,210	0	36,253	3,630,073
13 Tributary to Grand River	6,966	1,483,809	3,993	399	0	4,880	1,500,048
14 Middle Grand River	1,312	437,731	5,105	511	0	3,656	448,314
15 Lower Grand River	61,955	1,283,519	13,422	1,342	0	0	1,360,238
16 Lake Puckaway	10,160	479,548	21,799	2,180	0	27,418	541,105
17 Roy Creek	7,431	344,438	560	56	0	0	352,485
18 Wuerches Creek	8,135	646,895	1,355	135	0	0	656,520
19 Silver Creek - Below South Koro Road	4,606	380,470	3,000	300	0	0	388,375
20 Green Lake	9,726	324,633	6,920	692	0	0	341,971
21 Mecan River	26,259	1,041,899	35,661	3,566	0	0	1,107,385
22 Upper White River	37,642	239,349	20,882	2,088	0	93,677	393,638
23 Lower White River	2,247	87,152	8,167	817	0	4,113	102,494
24 Fox River - Downstream Lake Puckaway	1,972	434,955	17,279	1,728	0	41,309	497,243
25 Puchyan River	3,647	177,826	7,391	739	0	45,696	235,300
26 Harrington Creek	578	73,834	3,640	364	0	7,866	86,282
27 Waukau Creek	9,373	2,807,735	17,683	1,768	0	0	2,836,559
28 Fox River - White River to Omro	31,761	1,630,121	29,064	2,906	0	137,088	1,830,941
29 Fox River - Omro to Lake Butte des Morts	684	135,757	7,485	748	0	61,598	206,273
30 Sawyer Creek	0	578,453	3,489	349	9,066	0	591,357
31 Spring Brook	494	902,047	4,323	432	0	0	907,295
32 Van Dyne Creek	476	352,170	2,706	271	0	0	355,622

TMDL Subbasin ID and Name		Background TSS	Agricultural Nonpoint TSS	Non-Regulated Urban TSS	General Permits TSS	Regulated MS4 Urban TSS	Individual Permits TSS	Total TSS
33	Anderson Creek	0	151,837	2,504	250	1,440	0	156,031
34	Mosher Creek	0	62,662	2,406	241	5,146	0	70,455
35	Tributary to West Branch Fond du Lac River	1,209	404,388	5,673	567	0	15,963	427,800
36	Sevenmile Creek	9,232	1,179,946	5,538	554	0	0	1,195,270
37	Campground Creek	1,444	599,723	7,217	722	0	22,764	631,870
38	De Neveu Creek	0	14,380	457	46	0	0	14,882
39	Tributary to De Neveu Creek	6,748	310,622	6,818	682	5,211	11,211	341,292
40	Tributary to Parsons Creek	163	67,710	4,194	419	0	0	72,486
41	Upper Parsons Creek	578	166,393	1,644	164	0	0	168,780
42	Parsons Creek	377	77,441	2,902	290	0	0	81,010
43	East Branch Fond du Lac River	6,753	1,216,152	13,625	1,363	21,937	0	1,259,829
44	West Branch Fond du Lac River	8,488	4,944,087	26,283	2,628	12,933	0	4,994,419
45	Carpenter Creek	8,441	6,972	2,554	255	0	0	18,222
46	Mud Creek	3,524	759,373	3,451	345	0	6,946	773,639
47	Pine River	42,485	111,495	18,951	1,895	0	172,427	347,253
48	Willow Creek	44,023	1,149,041	35,000	3,500	0	30,647	1,262,210
49	Tributary to Rat River	1,056	791,580	9,295	930	0	10,967	813,828
50	Rat River	2,252	875,354	13,530	1,353	1,036	0	893,525
51	Arrowhead River	1,331	1,827,777	6,557	656	0	8,774	1,845,094
52	Bear Creek (Wolf)	1,692	6,444,271	22,474	2,247	11,347	1,462	6,483,494
53	Shioc River	12,939	2,733,685	54,650	5,465	0	2,415	2,809,154
54	White Clay Lake	683	66,329	1,837	184	0	0	69,032
55*	Upper Wolf River	519,801	1,131,262	157,070	15,707	0	168,536	1,992,375
56*	Shawano Lake	708	781,321	14,174	1,417	0	0	797,620
57	Long Lake	123	136,529	3,722	372	0	2,315	143,061
58*	Upper Embarrass River	167,620	4,171,026	107,127	10,713	0	50,177	4,506,663
59*	Middle Embarrass River	97,467	4,491,909	64,392	6,439	0	18,607	4,678,814
60	Pigeon River	41,309	2,801,520	47,841	4,784	0	75,795	2,971,249
61	Lower Little Wolf River	50,150	3,625,391	28,212	2,821	0	0	3,706,574
62	School Section Lake	447	77,291	902	90	0	0	78,730
63	Tree Lake	1,570	12,804	738	74	0	0	15,186
64	Bear Creek (Embarrass)	709	457,229	7,736	774	0	6,093	472,540
65	Collins Lake	735	26,954	457	46	0	0	28,192
66	Waupaca River	261,137	6,757,291	175,068	17,507	0	240,920	7,451,923
67	Wolf River – Shawano to Shioc River	13,133	7,467,925	177,960	17,796	0	609,528	8,286,342

TMDL Subbasin ID and Name		Background TSS	Agricultural Nonpoint TSS	Non-Regulated Urban TSS	General Permits TSS	Regulated MS4 Urban TSS	Individual Permits TSS	Total TSS
68	Wolf River - Shioc River to Bear Creek	1,903	1,565,171	24,041	2,404	0	13,800	1,607,320
69	Wolf River - Bear Creek to Embarrass River	9,913	1,882,208	37,778	3,778	0	45,696	1,979,373
70	Lower Embarrass River	17,834	6,131,225	43,742	4,374	0	64	6,197,239
71	Wolf River - Embarrass River to Lake Poygan	47,493	3,552,913	85,194	8,519	0	249,296	3,943,415
72	Lake Poygan and Lake Winneconne	5,935	721,028	9,038	904	0	16,780	753,684
73	Lake Butte des Morts	4,082	637,188	9,663	966	7,859	85,269	745,027
74	Fox River - Lake Butte des Morts to Lake Winnebago	0	5,173	1,440	144	15,448	1,827,844	1,850,050
75	Lake Winnebago	8,471	1,196,893	18,583	1,858	24,872	1,015,649	2,266,327
76	Crane Lake	3,945	0	2,356	236	0	0	6,536
77	Upper Post Lake	280,008	4,127	69,240	6,924	0	0	360,299
78	Pine Lake	14,277	327	6,471	647	0	0	21,722
79	Hill Creek	716	173,987	631	63	0	0	175,397
80*	Wolf River - Upper Post Lake to Hunting River	540,166	3,061	154,013	15,401	0	4,288	716,929
81*	Upper Little Wolf River	358,325	14,843,893	154,451	15,445	0	35,003	15,407,118
82	Black Otter Lake	1,101	1,702,066	16,571	1,657	0	0	1,721,395
83	Big Twin Lake	2,391	142,080	665	67	0	0	145,203
84	Lake Emily	892	131,356	631	63	0	0	132,942
85	Old Taylor Lake	96	705	91	9	0	0	901
86	Spring Lake	10,233	279,731	5,048	505	0	0	295,517
87	Silver Creek - Above South Koro Road	3,131	1,001,021	14,210	1,421	0	54,835	1,074,619
88	Fond du Lac River	0	4,826	297	30	12,512	0	17,663
89	Black Creek	1,566	798,251	29,519	2,952	0	55,627	887,915



**Table 4. Baseline sediment loads (as total suspended solids [TSS], in pounds per year) from tribal lands by source category for each TMDL subbasin.**

TMDL Subbasin ID & Name		Tribal Area	Background TSS	Agricultural Nonpoint TSS	Non-Regulated Urban TSS	General Permit TSS	Regulated MS4 Urban TSS	Individual Permits TSS	Total TSS
55	Upper Wolf River	Menominee Reservation	319,289	67,444	84,163	8,416	0	3,502	482,814
		Menominee Off-Reservation Trust Land	1,271	18,493	932	93	0	7,129	27,919
		Stockbridge Munsee Community	24,759	16,938	3,034	303	0	3,960	48,995
56	Shawano Lake	Menominee Reservation	285	7,799	825	83	0	0	8,991
58	Upper Embarrass River	Ho-Chunk Nation Off-Reservation Trust Land	685	21,409	336	34	0	0	22,463
59	Middle Embarrass River	Stockbridge Munsee Community	2,828	1,508	1,049	105	0	0	5,490
80	Wolf River - Upper Post Lake to Hunting River	Forest County Potawatomi Community	11,833	30	3,765	376	0	0	16,005
		Sokaogon Chippewa Community	128	0	0	0	0	1,196	1,323
		Forest County Potawatomi Off-Reservation Trust Land	7,959	114	3,317	332	0	0	11,722
		Sokaogon Chippewa Off-Reservation Trust Land	6,903	43	654	65	0	0	7,666
81	Upper Little Wolf River	Ho-Chunk Nation Off-Reservation Trust Land	289	1,079	11	1	0	0	1,380

**Table 5. Baseline effluent flows, total phosphorus (TP) concentrations, TP loads, total suspended solids (TSS) concentrations, and TSS loads for facilities with individual point source discharge permits.**

Facility Name	Permit Number	Outfall Number	Facility Type	TMDL Subbasin	Baseline Flow (MGD)	TP Conc. (mg/L)	TP Load (lbs/yr)	TSS Conc. (mg/L)	TSS Load (lbs/yr)
AGROPUR INC WEYAUWEGA PLANT	0001449	1	Industrial	66	0.33	0.47	471	3.81	3,819
AMHERST WASTEWATER TREATMENT FACILITY	0023213	1	Municipal	66	0.18	1	548	30	16,451
ARTESIAN TROUT FARM	PENDING	-	Industrial	8	0.50	0.068	104	10	15,232
BEAR CREEK WASTEWATER TREATMENT FACILITY	0028061	1	Municipal	64	0.10	1	305	20	6,093
BERLIN WASTEWATER TREATMENT FACILITY	0021229	1	Municipal	28	1.50	1	4,570	30	137,088
BIRDSEYE FOODS – HORTONVILLE	0070777	1	Industrial	69	Discharge discontinued				
BIRNAMWOOD WASTEWATER TREATMENT FACILITY	0022691	2	Municipal	58	0.11	1	335	20	6,702
BLACK CREEK WASTEWATER TREATMENT FACILITY	0021041	1	Municipal	89	0.34	1	1,021	20	20,411
BONDUELLE USA – FAIRWATER	0002666	10	Industrial	12	0.02	0.098	5	1.2	62
BOWLER WASTEWATER TREATMENT FACILITY	0021237	1	Municipal	59	0.03	1	102	30	3,071
BUTTE DES MORTS CONSOLIDATED SD 1	0032492	1	Municipal	73	0.08	1	238	60	14,257
CAROLINE SD 1 WASTEWATER TREATMENT FACILITY	0022829	3	Municipal	58	0.02	1	55	60	3,290
CLINTONVILLE WASTEWATER TREATMENT FACILITY	0021466	1	Municipal	60	0.64	1	1,938	30	58,125
DALE SANITARY DISTRICT NO 1 WWTF	0030830	1	Municipal	49	0.06	1	183	60	10,967
DARLING INTERNATIONAL INC	0038083	1	Industrial	26	0.39	0.016	19	6.6	7,866
DEL MONTE CORPORATION MARKESAN PLANT #116	0027448	1	Industrial	12	Discharge discontinued				
EDEN WASTEWATER TREATMENT FACILITY	0030716	1	Municipal	39	0.18	1	561	20	11,211
EMBARRASS CLOVERLEAF LAKES SD LAGOON SYSTEM	0023949	1	Municipal	59	0.17	1	518	30	15,537
FAIRWATER WASTEWATER TREATMENT FACILITY	0021440	4	Municipal	12	0.05	1	155	20	3,107
FOND DU LAC WATER POLLUTION CONTROL PLANT	0023990	3	Municipal	75	11.10	1	33,815	30	1,014,454
FREMONT ORIHULA WOLF RIVER JOINT S C	0026158	1	Municipal	71	0.20	1	609	30	18,278
FRIESLAND WASTEWATER TREATMENT FACILITY	0031780	1	Municipal	13	0.03	1	81	60	4,880
GREAT LAKES KRAUT	0050407	2	Industrial	70	0.02	0.17	9	1.2	64
GREEN LAKE SANITARY DISTRICT	0036846	1	Municipal	24	0.10	1	292	60	17,547
GREEN LAKE WASTEWATER TREATMENT FACILITY	0021776	1	Municipal	25	0.50	1	1,523	30	45,696
GRESHAM WASTEWATER TREATMENT FACILITY	0022781	1	Municipal	55	0.11	1	323	30	9,688
HORTONVILLE WASTEWATER TREATMENT FACILITY	0022896	1	Municipal	69	0.50	1	1,523	30	45,696
IOLA WASTEWATER TREATMENT FACILITY	0021717	3	Municipal	81	0.18	1	545	30	16,359
KESHENA WASTEWATER TREATMENT FACILITY	0071315	1	Tribal	55	0.34	1	1,021	30	30,616
KINGSTON WASTEWATER TREATMENT FACILITY	0036421	1	Municipal	14	0.02	1	61	60	3,656
LAKESIDE FOODS INC EDEN	0000485	2	Industrial	39	Discharge discontinued				
LAKESIDE FOODS INC SEYMOUR PLANT	0027634	1	Industrial	89	Discharge discontinued				

Facility Name	Permit Number	Outfall Number	Facility Type	TMDL Subbasin	Baseline Flow (MGD)	TP Conc. (mg/L)	TP Load (lbs/yr)	TSS Conc. (mg/L)	TSS Load (lbs/yr)
LARSEN WINCHESTER SD WWTF	0031925	1	Municipal	51	0.05	1	146	60	8,774
LEACH FARMS - AURORAVILLE	0052809	5	Industrial	48	0.02	0.197	12	20	1,219
LITTLE RAPIDS CORP SHAWANO SPECIALTY PAPERS	0001341	2	Industrial	67	2.00	1	6,093	61	369,167
MANAWA WASTEWATER TREATMENT FACILITY	0020869	1	Municipal	81	0.20	1	621	30	18,644
SHAWANO COUNTY UTILITIES	0029718	1	Municipal	57	0.04	1	116	20	2,315
MARION WASTEWATER TREATMENT FACILITY	0020770	3	Municipal	60	0.40	1	1,219	14.5	17,669
MARKESAN WASTEWATER TREATMENT FACILITY	0024619	1	Municipal	12	0.36	1	1,103	30	33,084
MENOMINEE TRIBAL ENTERPRISES	0046868	1	Tribal	55	0.02	0.19	13	40	2,681
MENOMINEE TRIBAL ENTERPRISES	0046868	2	Tribal	55	Storm water outfall				
MENOMINEE TRIBAL ENTERPRISES	0046868	3	Tribal	55	0.01	0	0	24.5	821
MICHELS MATERIALS FL&B SHEPPARD QUARRY	0058564	1	Industrial	73	Discharge discontinued				
MICHELS MATERIALS FL&B SHEPPARD QUARRY	0058564	2	Industrial	73	Discharge discontinued				
MICHELS MATERIALS FL&B SHEPPARD QUARRY	0058564	3	Industrial	73	Discharge discontinued				
MICHELS MATERIALS FL&B SHEPPARD QUARRY	0058564	4	Industrial	73	Discharge discontinued				
MILK SPECIALTIES – FDL	0000132	1	Industrial	44	Discharge discontinued				
MONTELLO WASTEWATER TREATMENT FACILITY	0024813	1	Municipal	16	0.30	1	914	30	27,418
NEOPIT WASTEWATER TREATMENT FACILITY	0073059	-	Municipal	55	Discharge to ground water				
NESHKORO WASTEWATER TREATMENT FACILITY	0060666	2	Municipal	23	0.05	1	137	30	4,113
NEW LONDON WASTEWATER TREATMENT FACILITY	0024929	1	Municipal	71	2.00	1	6,093	30	182,784
NICHOLS WASTEWATER TREATMENT FACILITY	0020508	1	Municipal	53	0.03	1	96	25	2,415
NORTH LAKE POYGAN S D WWTF	0036251	1	Municipal	72	0.05	1	161	60	9,651
OAKFIELD WASTEWATER TREATMENT FACILITY	0024988	1	Municipal	37	0.31	1	929	24.5	22,764
OMRO WASTEWATER TREATMENT FACILITY	0025011	1	Municipal	29	0.67	1	2,053	30	61,598
OSHKOSH WASTEWATER TREATMENT PLANT	0025038	1	Municipal	74	20.00	1	60,928	30	1,827,844
OXFORD WASTEWATER TREATMENT FACILITY	0032077	1	Municipal	1	0.06	1	195	30	5,849
PACKWAUKEE SANITARY DISTRICT NO 1	0060933	2	Municipal	9	0.06	1	168	20	3,351
POWER PACKAGING INC	0069965	1	Industrial	35	0.09	0.048	13	10	2,803
POY SIPPY SD WASTEWATER TREATMENT FACILITY	0031691	1	Municipal	47	0.05	1	146	60	8,774
POYGAN POYSIPPI SD 1 WWTF	0035513	1	Municipal	72	0.08	1	238	30	7,129
PRINCETON WASTEWATER TREATMENT FACILITY	0022055	1	Municipal	24	0.26	1	792	30	23,762
REDGRANITE WASTEWATER TREATMENT FACILITY	0020729	1	Municipal	48	0.32	1	981	30	29,428
RIDGEWAY COUNTRY CLUB INC WWTF	0030643	1	Municipal	51	Discharge discontinued				
RIPON WASTEWATER TREATMENT FACILITY	0021032	1	Municipal	87	1.80	1	5,484	10	54,835
ROSENDALE WASTEWATER TREATMENT FACILITY	0028428	1	Municipal	35	0.22	1	658	20	13,160

Facility Name	Permit Number	Outfall Number	Facility Type	TMDL Subbasin	Baseline Flow (MGD)	TP Conc. (mg/L)	TP Load (lbs/yr)	TSS Conc. (mg/L)	TSS Load (lbs/yr)
SAPUTO CHEESE - NEW LONDON	0000159	1	Industrial	71	Discharge discontinued				
SAPUTO CHEESE USA INC BLACK CREEK	0027596	1	Industrial	89	Discharge to ground water				
SAPUTO CHEESE USA INC BLACK CREEK	0027596	3	Industrial	89	Discharge to ground water				
SAPUTO CHEESE USA INC BLACK CREEK	0027596	601	Industrial	89	Discharge to ground water				
SAPUTO CHEESE USA FOND DU LAC (SCOTT ST)	0056120	1	Industrial	75	Discharge discontinued				
HILLSHIRE BRANDS (a.k.a. SARA LEE FOODS - NEW LONDON)	0023094	1	Industrial	71	0.79	1	2,412	20	48,234
SENECA FOODS CORPORATION OAKFIELD	0002267	1	Industrial	37	Emergency outfall				
SENECA FOODS CORPORATION RIPON	0001163	1	Industrial	87	Discharge discontinued				
SEYMOUR WASTEWATER TREATMENT FACILITY	0021768	1	Municipal	89	0.58	1	1,761	20	35,216
SHIOCTON WASTEWATER TREATMENT FACILITY	0028100	1	Municipal	68	0.15	1	460	30	13,800
SILVER LAKE SANITARY DISTRICT	0061301	1	Municipal	22	1.03	1	3,123	30	93,677
SILVER MOON SPRINGS	0064548	1	Industrial	55	4.04	0.049	604	10	123,166
SOKAOGON CHIPPEWA COMMUNITY WASTEWATER TREATMENT SYSTEM	0071501	1	Tribal	80	0.09	3.99	1,094	20	5,484
STEPHENSVILLE SANITARY DISTRICT NO 1	0032531	1	Municipal	52	0.02	1	73	20	1,462
STOCKBRIDGE WASTEWATER TREATMENT FACILITY	0021393	1	Municipal	46	0.11	1	347	20	6,946
STOCKBRIDGE-MUNSEE COMMUNITY WASTEWATER PONDS	0036188	10	Tribal	55	0.04	1.79	213	60	7,129
TIGERTON WASTEWATER TREATMENT FACILITY	0022349	1	Municipal	58	0.11	1	340	30	10,209
UTICA ENERGY LLC FOX RIVER VALLEY ETHANOL LLC	0063649	1	Industrial	30	Discharge discontinued				
WAUPACA FOUNDRY PLANT 1	0026379	1	Industrial	66	0.60	0.02	37	3.3	6,062
WAUPACA FOUNDRY PLANT 1	0026379	2	Industrial	66	Emergency outfall				
WAUPACA WASTEWATER TREATMENT FACILITY	0030490	1	Municipal	66	1.50	1	4,570	30	137,088
WESTFIELD WASTEWATER TREATMENT FACILITY	0022250	1	Municipal	8	0.25	1	762	30	22,848
WEYAUWEGA STAR DAIRY	0039527	1	Industrial	66	0.01	0.7	13	10	183
WEYAUWEGA WASTEWATER TREATMENT FACILITY	0020923	1	Municipal	66	0.85	1	2,577	30	77,318
WI DNR WILD ROSE FISH HATCHERY	0022756	1	Industrial	47	2.13	0.027	175	10	64,888
WI DNR WILD ROSE FISH HATCHERY	0022756	2	Industrial	47	Inactive outfall				
WI DNR WILD ROSE FISH HATCHERY	0022756	4	Industrial	47	Inactive outfall				
WI DNR WILD ROSE FISH HATCHERY	0022756	18	Industrial	47	2.54	0.035	271	10	77,379
WILD ROSE WASTEWATER TREATMENT FACILITY	0060071	2	Municipal	47	0.12	1	356	60	21,386
WINNECONNE WASTEWATER TREATMENT FACILITY	0021938	1	Municipal	73	0.78	1	2,367	30	71,012
WISCONSIN VENEER AND PLYWOOD INC	0047929	1	Industrial	55	0.14	0.054	23	11.71	5,066
WITTENBERG WASTEWATER TREATMENT FACILITY	0028444	2	Municipal	58	0.33	1	999	30	29,977
WOLF RIVER RANCH WASTEWATER TREATMENT FACILITY	0071307	1	Tribal	55	0.07	1	198	20	3,960
WOLF TREATMENT PLANT	0028452	1	Municipal	67	2.63	1	8,012	30	240,362

**Table 6. Baseline total phosphorus (TP) and total suspended solids (TSS) loads for municipalities with MS4 permits. Baseline loads include a 20% TSS reduction and 15% TP reduction from loads estimated by the UFWB SWAT watershed model.**

Municipality	TMDL Subbasin	Regulated Area (acres)	MS4 TP (lbs/yr)	MS4 TSS (lbs/yr)
Algoma (Town)	30	97	8.4	345
Algoma (Town)	73	1,012	86.0	2,414
Algoma (Town)	74	6	0.2	24
Algoma (Town)	75	66	5.3	104
Appleton (City)	52	0	0.04	2.3
Appleton (City)	75	174	11.2	349
Black Wolf (Town)	75	207	16.2	338
Eden (Village)	39	165	10.4	4,361
Empire (Town)	39	63	4.1	829
Empire (Town)	75	61	4.5	107
Fond du Lac (City)	43	2,505	189.6	21,282
Fond du Lac (City)	44	1,115	93.8	12,479
Fond du Lac (City)	75	3,069	200.7	6,610
Fond du Lac (City)	88	1,128	36.0	11,741
Fond du Lac (Town)	34	13	0.5	53
Fond du Lac (Town)	39	2	0.1	21
Fond du Lac (Town)	43	79	6.4	654
Fond du Lac (Town)	44	57	5.4	453
Fond du Lac (Town)	75	411	29.3	809
Fond du Lac (Town)	88	88	2.8	770
Fox Crossing (Village)	75	4	0.3	7.8
Friendship (Town)	33	101	5.5	801
Friendship (Town)	34	130	5.6	718
Friendship (Town)	75	144	11.0	245
Grand Chute (Town)	52	25	3.9	1,038
Greenville (Town)	50	100	22.3	1,036
Greenville (Town)	52	967	89.4	10,307
Harrison (Town & Village)	75	431	31.7	743
Menasha (City)	75	91	6.4	187
Neenah (City)	75	71	4.9	131
Neenah (Town)	75	185	14.7	293
Nekimi (Town)	75	176	12.4	363
North Fond du Lac (Village)	33	43	2.5	639
North Fond du Lac (Village)	34	745	29.3	4,375
North Fond du Lac (Village)	75	183	11.1	458
Omro (Town)	73	42	3.9	74
Oshkosh (City)	30	1,800	133.0	8,721
Oshkosh (City)	73	984	71.5	4,431
Oshkosh (City)	74	3,406	112.3	15,425
Oshkosh (City)	75	4,917	292.3	12,478
Oshkosh (Town)	73	243	17.2	939
Oshkosh (Town)	75	316	21.6	700
Portage (City)	4	43	13.5	3,361
Portage (City)	7	930	174.5	8,044
Sherwood (Village)	75	358	29.5	489
Taycheedah (Town)	75	262	20.1	436
Vinland (Town)	75	11	0.8	20