

APPENDIX H. TOTAL PHOSPHORUS ALLOCATION TABLES

Table 1. Allocations of total phosphorus loads by source for each TMDL subbasin. Allocations for TMDL subbasins 55, 56, 58, 59, 80, and 81 (marked with an asterisk, *) do not include loads from point and nonpoint sources on tribal lands in each subbasin. Recommended loads for sources on tribal lands are reported separately in Table 2. Note that individual loads may not sum to reported totals due to rounding.

TMDL Subbasin ID & Name	Units	Total Load (LA+WLA+RC)	Load Allocation (LA)	Background	Agricultural Nonpoint	Non-Regulated Urban	Wasteload Allocation (WLA)	General Permit	Regulated MS4 Urban	Individual Permits	Reserve Capacity (RC)
1 Upper Neenah Creek	Lbs./yr.	1,639	1,568	1,085	458	25	44	21	0	23	27
	lbs./day	4.5	4.3	3.0	1.3	0.1	0.1	0.06	0.0	0.06	0.1
2 Tributary to Mason Lake	lbs./yr.	364	353	181	168	4	2	2	0	0	9
	lbs./day	1.0	1.0	0.5	0.46	0.01	0.01	0.01	0	0	0.02
3 Mason Lake	lbs./yr.	948	898	202	668	28	13	13	0	0	37
	lbs./day	2.6	2.5	0.6	1.8	0.1	0.04	0.04	0	0	0.1
4 Neenah Creek	lb./yr.	1,996	1,909	1,039	824	46	41	39	2	0	46
	lbs./day	5.5	5.2	2.8	2.3	0.1	0.1	0.1	0.01	0	0.1
5 Park Lake	lbs./yr.	3,316	3,149	522	2,550	77	29	29	0	0	138
	lbs./day	9.1	8.6	1.4	7.0	0.2	0.1	0.1	0	0	0.4
6 Swan Lake	lbs./yr.	334	306	172	109	25	21	21	0	0	7
	lbs./day	0.9	0.8	0.5	0.3	0.1	0.1	0.1	0	0	0.02
7 Buffalo Lake Inflow	lbs./yr.	3,252	3,113	1,901	1,149	63	74	53	21	0	65
	lbs./day	8.9	8.5	5.2	3.2	0.2	0.2	0.2	0.1	0	0.2
8 Westfield Creek	lbs./yr.	2,187	1,869	1,111	704	54	266	32	0	234	52
	lbs./day	6.0	5.1	3.0	1.9	0.2	0.7	0.1	0	0.6	0.1
9 Buffalo Lake	lbs./yr.	1,847	1,723	1,083	559	81	89	69	0	20	35
	lbs./day	5.1	4.7	3.0	1.5	0.2	0.2	0.2	0	0.1	0.1
10 Montello River	lbs./yr.	3,586	3,440	1,882	1,449	109	64	64	0	0	82
	lbs./day	9.8	9.4	5.2	4.0	0.3	0.2	0.2	0	0	0.2
11 Little Green Lake	lbs./yr.	134	119	6	89	24	9	9	0	0	6
	lbs./day	0.4	0.3	0.02	0.2	0.1	0.02	0.02	0	0	0.02
12 Upper Grand River	lbs./yr.	1,891	1,570	25	1,531	14	228	8	0	220	93
	lbs./day	5.2	4.3	0.1	4.2	0.04	0.6	0.02	0	0.6	0.3
13 Tributary to Grand River	lbs./yr.	817	760	51	700	9	19	5	0	14	38
	lbs./day	2.2	2.1	0.1	1.9	0.02	0.1	0.01	0	0.04	0.1
14 Middle Grand River	lbs./yr.	876	825	220	590	15	19	9	0	10	32
	lbs./day	2.4	2.3	0.6	1.6	0.04	0.1	0.02	0	0.03	0.1

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15 Lower Grand River	lbs./yr.	2,556	2,456	1,092	1,316	48	28	28	0	0	72
	lbs./day	7.0	6.7	3.0	3.6	0.1	0.1	0.1	0	0	0.2
16 Lake Puckaway	lbs./yr.	1,646	1,390	682	617	91	210	53	0	157	46
	lbs./day	4.5	3.8	1.9	1.7	0.3	0.6	0.2	0	0.4	0.1
17 Roy Creek	lbs./yr.	327	311	13	297	1	0.4	0.4	0	0	16
	lbs./day	0.9	0.9	0.04	0.8	0.003	0.001	0.001	0	0	0.04
18 Wuerches Creek	lbs./yr.	768	729	10	714	5	1	1	0	0	38
	lbs./day	2.1	2.0	0.03	2.0	0.01	0.003	0.003	0	0	0.1
19 Silver Creek - Below South Koro Road	lbs./yr.	646	614	35	568	11	2	2	0	0	30
	lbs./day	1.8	1.7	0.1	1.6	0.03	0.01	0.01	0	0	0.1
20 Green Lake	lbs./yr.	2,106	1,988	133	1,652	203	20	20	0	0	98
	lbs./day	5.8	5.4	0.4	4.5	0.6	0.1	0.1	0	0	0.3
21 Mecan River	lbs./yr.	6,989	6,707	3,643	2,858	206	121	121	0	0	161
	lbs./day	19.1	18.4	10.0	7.8	0.6	0.3	0.3	0	0	0.4
22 Upper White River	lbs./yr.	2,543	1,895	1,204	603	88	584	52	0	532	64
	lbs./day	7.0	5.2	3.3	1.7	0.2	1.6	0.1	0	1.5	0.2
23 Lower White River	lbs./yr.	2,588	2,443	1,437	891	115	91	68	0	23	54
	lbs./day	7.1	6.7	3.9	2.4	0.3	0.3	0.2	0	0.1	0.2
24 Fox River - Downstream Lake Puckaway	lbs./yr.	2,491	2,194	1,143	970	81	232	47	0	185	65
	lbs./day	6.8	6.0	3.1	2.7	0.2	0.6	0.1	0	0.5	0.2
25 Puchyan River	lbs./yr.	724	428	165	248	15	269	9	0	260	27
	lbs./day	2.0	1.2	0.5	0.7	0.04	0.7	0.02	0	0.7	0.1
26 Harrington Creek	lbs./yr.	149	122	22	96	4	21	2	0	19	6
	lbs./day	0.4	0.3	0.1	0.3	0.01	0.1	0.01	0	0.1	0.02
27 Waukau Creek	lbs./yr.	1,846	1,753	262	1,465	26	15	15	0	0	78
	lbs./day	5.1	4.8	0.7	4.0	0.1	0.04	0.04	0	0	0.2
28 Fox River - White River to Omro	lbs./yr.	4,032	3,067	1,286	1,695	86	830	51	0	779	135
	lbs./day	11.0	8.4	3.5	4.6	0.2	2.3	0.1	0	2.1	0.4
29 Fox River - Omro to Lake Butte des Morts	lbs./yr.	619	232	36	183	13	358	8	0	350	29
	lbs./day	1.7	0.6	0.1	0.5	0.04	1.0	0.02	0	1.0	0.1
30 Sawyer Creek	lbs./yr.	310	267	0	260	7	28	4	24	0	15

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	lbs./day	0.9	0.7	0	0.7	0.02	0.1	0.01	0.1	0	0.04
31 Spring Brook	lbs./yr.	520	490	16	465	9	5	5	0	0	25
	lbs./day	1.4	1.3	0.04	1.3	0.02	0.01	0.01	0	0	0.1
32 Van Dyne Creek	lbs./yr.	213	201	19	178	4	2	2	0	0	10
	lbs./day	0.6	0.6	0.1	0.5	0.01	0.01	0.01	0	0	0.03
33 Anderson Creek	lbs./yr.	89	83	0	81	2	2	1	1	0	4
	lbs./day	0.2	0.2	0	0.2	0.01	0.01	0.003	0.003	0	0.01
34 Mosher Creek	lbs./yr.	48	39	0	38	1	7	1	6	0	2
	lbs./day	0.1	0.1	0	0.1	0.003	0.02	0.003	0.02	0	0.01
35 Tributary to West Branch Fond du Lac River	lbs./yr.	551	396	14	377	5	128	3	0	125	27
	lbs./day	1.5	1.1	0.04	1.0	0.01	0.4	0.01	0	0.3	0.1
36 Sevenmile Creek	lbs./yr.	1,152	1,095	62	1,027	6	3	3	0	0	54
	lbs./day	3.2	3.0	0.2	2.8	0.02	0.01	0.01	0	0	0.2
37 Campground Creek	lbs./yr.	742	565	24	537	4	141	3	0	138	36
	lbs./day	2.0	1.6	0.1	1.5	0.01	0.4	0.01	0	0.4	0.1
38 De Neveu Creek	lbs./yr.	11	10	0	10	0.2	0.1	0.1	0	0	1
	lbs./day	0.03	0.03	0	0.03	0.001	0.0003	0.0003	0	0	0.003
39 Tributary to De Neveu Creek	lbs./yr.	255	144	25	116	3	100	2	2	96	11
	lbs./day	0.7	0.4	0.1	0.3	0.01	0.3	0.01	0.01	0.3	0.03
40 Tributary to Parsons Creek	lbs./yr.	106	100	3	95	2	1	1	0	0	5
	lbs./day	0.3	0.3	0.01	0.3	0.01	0.003	0.003	0	0	0.01
41 Upper Parsons Creek	lbs./yr.	211	200	9	190	1	1	1	0	0	10
	lbs./day	0.6	0.6	0.02	0.5	0.003	0.003	0.003	0	0	0.03
42 Parsons Creek	lbs./yr.	152	144	8	135	1	1	1	0	0	7
	lbs./day	0.4	0.4	0.02	0.4	0.003	0.003	0.003	0	0	0.02
43 East Branch Fond du Lac River	lbs./yr.	2,037	1,898	72	1,812	14	41	8	33	0	98
	lbs./day	5.6	5.2	0.2	5.0	0.04	0.1	0.02	0.1	0	0.3
44 West Branch Fond du Lac River	lbs./yr.	5,241	4,964	396	4,535	33	36	19	17	0	241
	lbs./day	14.4	13.6	1.1	12.4	0.1	0.1	0.1	0.1	0	0.7
45 Carpenter Creek	lbs./yr.	343	331	199	123	9	5	5	0	0	7
	lbs./day	0.9	0.9	0.5	0.3	0.02	0.01	0.01	0	0	0.02

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46 Mud Creek	lbs./yr.	306	231	17	211	3	61	2	0	59	14
	lbs./day	0.8	0.6	0.1	0.6	0.01	0.2	0.01	0	0.2	0.04
47 Pine River	lbs./yr.	4,123	3,444	2,610	706	128	607	77	0	530	72
	lbs./day	11.3	9.4	7.2	1.9	0.4	1.7	0.2	0	1.5	0.2
48 Willow Creek	lbs./yr.	4,224	3,881	2,091	1,674	116	240	68	0	172	103
	lbs./day	11.6	10.6	5.7	4.6	0.3	0.7	0.2	0	0.5	0.3
49 Tributary to Rat River	lbs./yr.	669	607	153	446	8	36	5	0	31	26
	lbs./day	1.8	1.7	0.4	1.2	0.02	0.1	0.01	0	0.1	0.1
50 Rat River	lbs./yr.	2,212	2,103	672	1,382	49	33	29	4	0	76
	lbs./day	6.1	5.8	1.8	3.8	0.1	0.1	0.1	0.01	0	0.2
51 Arrowhead River	lbs./yr.	893	818	35	769	14	33	8	0	25	42
	lbs./day	2.4	2.2	0.1	2.1	0.04	0.1	0.02	0	0.1	0.1
52 Bear Creek (Wolf)	lbs./yr.	3,000	2,825	286	2,518	21	40	12	16	12	135
	lbs./day	8.2	7.7	0.8	6.9	0.1	0.1	0.03	0.04	0.03	0.4
53 Shioc River	lbs./yr.	3,695	3,520	1,189	2,271	60	51	35	0	16	124
	lbs./day	10.1	9.6	3.3	6.2	0.2	0.1	0.1	0	0.04	0.3
54 White Clay Lake	lbs./yr.	319	303	20	274	9	1	1	0	0	15
	lbs./day	0.9	0.8	0.1	0.8	0.02	0.003	0.003	0	0	0.04
55* Upper Wolf River	lbs./yr.	19,607	17,894	13,052	3,706	1,136	1,350	669	0	681	363
	lbs./day	53.7	49.0	35.7	10.2	3.1	3.7	1.8	0	1.9	1.0
56* Shawano Lake	lbs./yr.	4,854	4,589	714	3,433	442	55	55	0	0	210
	lbs./day	13.3	12.6	2.0	9.4	1.2	0.2	0.2	0	0	0.6
57 Long Lake	lbs./yr.	813	694	96	573	25	83	4	0	79	36
	lbs./day	2.2	1.9	0.3	1.6	0.1	0.2	0.01	0	0.2	0.1
58* Upper Embarrass River	lbs./yr.	10,048	9,390	5,143	4,036	211	418	123	0	295	240
	lbs./day	27.5	25.7	14.1	11.1	0.6	1.1	0.3	0	0.8	0.7
59* Middle Embarrass River	lbs./yr.	6,584	6,222	3,061	3,018	143	190	84	0	106	172
	lbs./day	18.0	17.0	8.4	8.3	0.4	0.5	0.2	0	0.3	0.5
60 Pigeon River	lbs./yr.	4,183	3,458	1,466	1,900	92	592	54	0	538	133
	lbs./day	11.5	9.5	4.0	5.2	0.3	1.6	0.2	0	1.5	0.4
61 Lower Little Wolf River	lbs./yr.	1,343	1,284	289	982	13	7	7	0	0	52

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	lbs./day	3.7	3.5	0.8	2.7	0.04	0.02	0.02	0	0	0.1
62 School Section Lake	lbs./yr.	297	282	14	261	7	1	1	0	0	14
	lbs./day	0.8	0.8	0.04	0.7	0.02	0.003	0.003	0	0	0.04
63 Tree Lake	lbs./yr.	160	154	99	50	5	3	3	0	0	3
	lbs./day	0.4	0.4	0.3	0.1	0.01	0.01	0.01	0	0	0.01
64 Bear Creek (Embarrass)	lbs./yr.	635	553	122	422	9	57	5	0	52	25
	lbs./day	1.7	1.5	0.3	1.2	0.02	0.2	0.01	0	0.1	0.1
65 Collins Lake	lbs./yr.	358	341	36	298	7	1	1	0	0	16
	lbs./day	1.0	0.9	0.1	0.8	0.02	0.003	0.003	0	0	0.04
66 Waupaca River	lbs./yr.	10,479	8,565	3,778	4,540	247	1,586	145	0	1,441	328
	lbs./day	28.7	23.5	10.3	12.4	0.7	4.3	0.4	0	4.0	0.9
67 Wolf River – Shawano to Shioc River	lbs./yr.	8,222	5,432	2,144	3,141	147	2,490	86	0	2,404	300
	lbs./day	22.5	14.9	5.9	8.6	0.4	6.8	0.2	0	6.6	0.8
68 Wolf River - Shioc River to Bear Creek	lbs./yr.	2,157	1,973	350	1,597	26	94	16	0	78	90
	lbs./day	5.9	5.4	1.0	4.4	0.1	0.3	0.04	0	0.2	0.3
69 Wolf River - Bear Creek to Embarrass River	lbs./yr.	1,250	921	215	676	30	278	18	0	260	51
	lbs./day	3.4	2.5	0.6	1.9	0.1	0.8	0.1	0	0.7	0.1
70 Lower Embarrass River	lbs./yr.	3,865	3,685	860	2,780	45	31	26	0	5	149
	lbs./day	10.6	10.1	2.4	7.6	0.1	0.1	0.1	0	0.01	0.4
71 Wolf River - Embarrass River to Lake Poygan	lbs./yr.	7,859	5,958	2,856	2,926	176	1,656	103	0	1,553	245
	lbs./day	21.5	16.3	7.8	8.0	0.5	4.5	0.3	0	4.3	0.7
72 Lake Poygan and Lake Winneconne	lbs./yr.	8,386	8,183	6,535	1,571	77	113	45	0	68	90
	lbs./day	23.0	22.4	17.9	4.3	0.2	0.3	0.1	0	0.2	0.3
73 Lake Butte des Morts	lbs./yr.	4,036	3,485	2,855	597	33	493	19	30	444	58
	lbs./day	11.1	9.5	7.8	1.6	0.1	1.4	0.1	0.1	1.2	0.2
74 Fox River - Lake Butte de Morts to Lake Winnebago	lbs./yr.	10,955	3	0	3	0.3	10,403	0.2	19	10,384	548
	lbs./day	30.0	0.01	0	0.01	0.001	28.5	0.001	0.1	28.4	1.5
75 Lake Winnebago	lbs./yr.	46,237	39,865	38,074	1,673	118	5,967	69	123	5,775	405
	lbs./day	126.6	109.1	104.2	4.6	0.3	16.3	0.2	0.3	15.8	1.1
76 Crane Lake	lbs./yr.	167	157	142	0	15	9	9	0	0	1
	lbs./day	0.5	0.4	0.4	0	0.04	0.02	0.02	0	0	0.003

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77 Upper Post Lake	lbs./yr.	4,363	4,073	1,777	1,176	1,120	169	169	0	0	121
	lbs./day	12.0	11.2	4.9	3.2	3.1	0.5	0.5	0	0	0.3
78 Pine Lake	lbs./yr.	1,123	1,049	450	321	278	42	42	0	0	32
	lbs./day	3.1	2.9	1.2	0.9	0.8	0.1	0.1	0	0	0.1
79 Hill Creek	lbs./yr.	115	109	3	105	1	0.3	0.3	0	0	6
	lbs./day	0.3	0.3	0.01	0.3	0.003	0.001	0.001	0	0	0.02
80* Wolf River - Upper Post Lake to Hunting River	lbs./yr.	6,121	5,719	4,697	452	570	335	335	0	0	67
	lbs./day	16.8	15.7	12.9	1.2	1.6	0.9	0.9	0	0	0.2
81* Upper Little Wolf River	lbs./yr.	17,068	16,260	8,865	7,039	356	408	209	0	199	400
	lbs./day	46.7	44.5	24.3	19.3	1.0	1.1	0.6	0	0.5	1.1
82 Black Otter Lake	lbs./yr.	1,749	1,660	81	1,560	19	6	6	0	0	83
	lbs./day	4.8	4.5	0.2	4.3	0.1	0.02	0.02	0	0	0.2
83 Big Twin Lake	lbs./yr.	327	310	9	294	7	1	1	0	0	16
	lbs./day	0.9	0.9	0.02	0.8	0.02	0.003	0.003	0	0	0.04
84 Lake Emily	lbs./yr.	208	195	7	176	12	3	3	0	0	10
	lbs./day	0.6	0.5	0.02	0.5	0.03	0.01	0.01	0	0	0.03
85 Old Taylor Lake	lbs./yr.	8	7	5	1	1	1	1	0	0	0.1
	lbs./day	0.02	0.02	0.01	0.003	0.003	0.003	0.003	0	0	0.0003
86 Spring Lake	lbs./yr.	621	592	93	484	15	3	3	0	0	26
	lbs./day	1.7	1.6	0.3	1.3	0.04	0.01	0.01	0	0	0.1
87 Silver Creek - Above South Koro Road	lbs./yr.	2,329	903	41	836	26	1,312	11	0	1,301	114
	lbs./day	6.4	2.5	0.1	2.3	0.1	3.6	0.03	0	3.6	0.3
88 Fond du Lac River	lbs./yr.	13	5	0	5	0	7	0	7	0	1
	lbs./day	0.04	0.01	0	0.01	0	0.02	0	0.02	0	0.003
89 Black Creek	lbs./yr.	1,594	1,031	181	817	33	493	19	0	474	70
	lbs./day	4.4	2.8	0.5	2.2	0.1	1.4	0.1	0	1.3	0.2

Table 2. Recommended total phosphorus loads for sources on tribal lands in TMDL subbasins 55, 56, 58, 59, 80, and 81. Note that individual loads may not sum to reported totals due to rounding.

TMDL Subbasin ID & Name	Tribal Area	Units	Total Load (NPS+PS)	Total Nonpoint Source (NPS)	Background	Agricultural Nonpoint	Non-Regulated Urban	Total Point Source (PS)	General Permit	Regulated MS4 Urban	Individual Permits
55 Upper Wolf River	Menominee Reservation	lbs./yr.	10,655	10,074	9,058	336	680	581	401	0	180
		lbs./day	29.2	27.6	24.8	0.9	1.9	1.6	1.1	0	0.5
	Menominee Off-Reservation Trust Land	lbs./yr.	125	85	34	43	8	40	4	0	36
		lbs./day	0.3	0.2	0.1	0.1	0.02	0.1	0.01	0	0.1
	Stockbridge Munsee Community	lbs./yr.	819	768	712	28	28	51	17	0	34
lbs./day	2.2	2.1	2.0	0.1	0.1	0.1	0.05	0	0.1		
56 Shawano Lake	Menominee Reservation	lbs./yr.	448	440	333	46	61	8	8	0	0
		lbs./day	1.2	1.2	0.9	0.1	0.2	0.02	0.02	0	0
58 Upper Embarrass River	Ho-Chunk Nation Off-Reservation Trust Land	lbs./yr.	44	43	19	23	1	1	1	0	0
		lbs./day	0.1	0.1	0.1	0.1	0.003	0.003	0.003	0	0
59 Middle Embarrass River	Stockbridge Munsee Community	lbs./yr.	100	99	96	1	2	1	1	0	0
		lbs./day	0.3	0.3	0.3	0.003	0.01	0.003	0.003	0	0
80 Wolf River - Upper Post Lake to Hunting River	Forest County Potawatomi Community	lbs./yr.	111	103	84	5	14	8	8	0	0
		lbs./day	0.3	0.3	0.2	0.01	0.04	0.02	0.02	0	0
	Forest County Potawatomi Off-Reservation Trust Land	lbs./yr.	187	1	1	0	0	186	0	0	186
		lbs./day	0.5	0.003	0.003	0	0	0.5	0	0	0.5
	Sokaogon Chippewa Community	lbs./yr.	122	115	85	18	12	7	7	0	0
		lbs./day	0.3	0.3	0.2	0.1	0.03	0.02	0.02	0	0
Sokaogon Chippewa Off-Reservation Trust Land	lbs./yr.	70	69	60	7	2	1	1	0	0	
	lbs./day	0.2	0.2	0.2	0.02	0.01	0.003	0.003	0	0	
81 Upper Little Wolf River	Ho-Chunk Nation Off-Reservation Trust Land	lbs./yr.	8	8	7	1	0	0	0	0	0
		lbs./day	0.02	0.02	0.02	0.003	0	0	0	0	0

Table 3. Annual total phosphorus wasteload allocations for dischargers with individual Wisconsin Pollutant Discharge Elimination System (WPDES) permits.

Facility Name	Permit Number	TMDL Subbasin	TP Wasteload Allocation (lbs./year)	TP Wasteload Allocation (lbs./day)
AGROPUR INC WEYAUWEGA PLANT	0001449	66	80	0.2
AMHERST WASTEWATER TREATMENT FACILITY	0023213	66	93	0.3
ARTESIAN TROUT FARM	PENDING	8	104	0.3
BEAR CREEK WASTEWATER TREATMENT FACILITY	0028061	64	52	0.1
BERLIN WASTEWATER TREATMENT FACILITY	0021229	28	779	2.1
BIRNAMWOOD WASTEWATER TREATMENT FACILITY	0022691	58	57	0.2
BLACK CREEK WASTEWATER TREATMENT FACILITY	0021041	89	174	0.5
BONDUELLE USA - FAIRWATER	0002666	12	4	0.01
BOWLER WASTEWATER TREATMENT FACILITY	0021237	59	17	0.05
BUTTE DES MORTS CONSOLIDATED SD 1	0032492	73	40	0.1
CAROLINE SD 1 WASTEWATER TREATMENT FACILITY	0022829	58	9	0.03
CLINTONVILLE WASTEWATER TREATMENT FACILITY	0021466	60	330	0.9
DALE SANITARY DISTRICT NO 1 WWTF	0030830	49	31	0.1
DARLING INTERNATIONAL INC	0038083	26	19	0.1
EDEN WASTEWATER TREATMENT FACILITY	0030716	39	96	0.3
EMBARRASS CLOVERLEAF LAKES SD LAGOON SYSTEM	0023949	59	88	0.2
FAIRWATER WASTEWATER TREATMENT FACILITY	0021440	12	27	0.1
FOND DU LAC WATER POLLUTION CONTROL PLANT	0023990	75	5,763	15.8
FREMONT ORIHULA WOLF RIVER JOINT S C	0026158	71	104	0.3
FRIESLAND WASTEWATER TREATMENT FACILITY	0031780	13	14	0.04
GREAT LAKES KRAUT	0050407	70	5	0.01
GREEN LAKE SANITARY DISTRICT	0036846	24	50	0.1
GREEN LAKE WASTEWATER TREATMENT FACILITY	0021776	25	260	0.7
GRESHAM WASTEWATER TREATMENT FACILITY	0022781	55	55	0.2
HILLSHIRE BRANDS (a.k.a. SARA LEE FOODS - NEW LONDON)	0023094	71	411	1.1
HORTONVILLE WASTEWATER TREATMENT FACILITY	0022896	69	260	0.7
IOLA WASTEWATER TREATMENT FACILITY	0021717	81	93	0.3
KINGSTON WASTEWATER TREATMENT FACILITY	0036421	14	10	0.03
LARSEN WINCHESTER SD WWTF	0031925	51	25	0.1
LEACH FARMS - AURORAVILLE	0052809	48	5	0.01
LITTLE RAPIDS CORP SHAWANO SPECIALTY PAPERS	0001341	67	1,038	2.8
MANAWA WASTEWATER TREATMENT FACILITY	0020869	81	106	0.3
SHAWANO COUNTY UTILITIES	0029718	57	79	0.2
MARION WASTEWATER TREATMENT FACILITY	0020770	60	208	0.6

Facility Name	Permit Number	TMDL Subbasin	TP Wasteload Allocation (lbs./year)	TP Wasteload Allocation (lbs./day)
MARKESAN WASTEWATER TREATMENT FACILITY	0024619	12	189	0.5
MONTELLO WASTEWATER TREATMENT FACILITY	0024813	16	157	0.4
NESHKORO WASTEWATER TREATMENT FACILITY	0060666	23	23	0.1
NEW LONDON WASTEWATER TREATMENT FACILITY	0024929	71	1,038	2.8
NICHOLS WASTEWATER TREATMENT FACILITY	0020508	53	16	0.04
NORTH LAKE POYGAN S D WWTF	0036251	72	27	0.1
OAKFIELD WASTEWATER TREATMENT FACILITY	0024988	37	138	0.4
OMRO WASTEWATER TREATMENT FACILITY	0025011	29	350	1.0
OSHKOSH WASTEWATER TREATMENT PLANT	0025038	74	10,384	28.4
OXFORD WASTEWATER TREATMENT FACILITY	0032077	1	23	0.1
PACKWAUKEE SANITARY DISTRICT NO 1	0060933	9	20	0.1
POWER PACKAGING INC	0069965	35	13	0.04
POY SIPPI SD WASTEWATER TREATMENT FACILITY	0031691	47	24	0.1
POYGAN POYSIPPI SD 1 WWTF	0035513	72	40	0.1
PRINCETON WASTEWATER TREATMENT FACILITY	0022055	24	135	0.4
REDGRANITE WASTEWATER TREATMENT FACILITY	0020729	48	167	0.5
RIPON WASTEWATER TREATMENT FACILITY	0021032	87	1,301	3.6
ROSENDALE WASTEWATER TREATMENT FACILITY	0028428	35	112	0.3
SAPUTO CHEESE USA FOND DU LAC (SCOTT ST) ¹	0056120	75	12	0.03
SEYMOUR WASTEWATER TREATMENT FACILITY	0021768	89	300	0.8
SHIOCTON WASTEWATER TREATMENT FACILITY	0028100	68	78	0.2
SILVER LAKE SANITARY DISTRICT	0061301	22	532	1.5
SILVER MOON SPRINGS	0064548	55	604	1.7
STEPHENSVILLE SANITARY DISTRICT NO 1	0032531	52	12	0.03
STOCKBRIDGE WASTEWATER TREATMENT FACILITY	0021393	46	59	0.2
TIGERTON WASTEWATER TREATMENT FACILITY	0022349	58	58	0.2
WAUPACA FOUNDRY PLANT 1	0026379	66	37	0.1
WAUPACA WASTEWATER TREATMENT FACILITY	0030490	66	779	2.1
WESTFIELD WASTEWATER TREATMENT FACILITY	0022250	8	130	0.4
WEYAUWEGA STAR DAIRY	0039527	66	13	0.04
WEYAUWEGA WASTEWATER TREATMENT FACILITY	0020923	66	439	1.2
WI DNR WILD ROSE FISH HATCHERY	0022756	47	446	1.2

¹ Discharge discontinued. The wasteload allocation for this facility serves as an additional reserve capacity for TMDL Subbasin 75.

Facility Name	Permit Number	TMDL Subbasin	TP Wasteload Allocation (lbs./year)	TP Wasteload Allocation (lbs./day)
WILD ROSE WASTEWATER TREATMENT FACILITY	0060071	47	60	0.2
WINNECONNE WASTEWATER TREATMENT FACILITY	0021938	73	403	1.1
WISCONSIN VENEER AND PLYWOOD INC	0047929	55	23	0.1
WITTENBERG WASTEWATER TREATMENT FACILITY	0028444	58	170	0.5
WOLF TREATMENT PLANT	0028452	67	1,366	3.7

Table 4. Recommended annual total phosphorus loads for tribal dischargers with individual National Pollutant Discharge Elimination System (NPDES) permits.

Facility Name	Permit Number	TMDL Subbasin	TP Load (lbs./year)	TP Load (lbs./day)
KESHENA WASTEWATER TREATMENT FACILITY	0071315	55	173	0.5
MENOMINEE TRIBAL ENTERPRISES	0046868	55	7	0.02
SOKAOGON CHIPPEWA COMMUNITY WASTEWATER TREATMENT SYSTEM	0071501	80	186	0.5
STOCKBRIDGE-MUNSEE COMMUNITY WASTEWATER PONDS	0036188	55	36	0.1
WOLF RIVER RANCH WASTEWATER TREATMENT FACILITY	0071307	55	34	0.1

Table 5. Annual total phosphorus wasteload allocations for permitted MS4s.

Municipality	TMDL Subbasin	Regulated Area (acres)	TP Wasteload Allocation (lbs./year)	TP Reduction from Baseline			TP Wasteload Allocation (lbs./day)
				Local Reduction (%)	Downstream Reduction (%)	Total Reduction (%)	
Algoma (Town)	30	97	1.4	0%	83%	83%	0.004
Algoma (Town)	73	1,012	15	0%	83%	83%	0.04
Algoma (Town)	74	6	0.04	0%	83%	83%	0.0001
Algoma (Town)	75	66	0.9	0%	83%	83%	0.002
Appleton (City)	52	0.4	0.01	51%	32%	83%	0.00002
Appleton (City)	75	174	1.9	0%	83%	83%	0.005
Black Wolf (Town)	75	207	2.8	0%	83%	83%	0.008
Eden (Village)	39	165	1.8	44%	39%	83%	0.005
Empire (Town)	39	63	0.7	44%	39%	83%	0.002
Empire (Town)	75	61	0.8	0%	83%	83%	0.002
Fond du Lac (City)	43	2,505	32	63%	20%	83%	0.09
Fond du Lac (City)	44	1,115	16	70%	13%	83%	0.04
Fond du Lac (City)	75	3,069	34	0%	83%	83%	0.09
Fond du Lac (City)	88	1,128	6.1	0%	83%	83%	0.02
Fond du Lac (Town)	34	13	0.1	0%	83%	83%	0.0002
Fond du Lac (Town)	39	2	0.02	44%	39%	83%	0.00005
Fond du Lac (Town)	43	79	1.1	63%	20%	83%	0.003
Fond du Lac (Town)	44	57	0.9	70%	13%	83%	0.003
Fond du Lac (Town)	75	411	5.0	0%	83%	83%	0.01
Fond du Lac (Town)	88	88	0.5	0%	83%	83%	0.001
Fox Crossing (Village)	75	4	0.1	0%	83%	83%	0.0001
Friendship (Town)	33	101	0.9	0%	83%	83%	0.003
Friendship (Town)	34	130	1.0	0%	83%	83%	0.003
Friendship (Town)	75	144	1.9	0%	83%	83%	0.005
Grand Chute (Town)	52	25	0.7	51%	32%	83%	0.002
Greenville (Town)	50	100	3.8	1%	82%	83%	0.01
Greenville (Town)	52	967	15	51%	32%	83%	0.04
Harrison (Town & Village)	75	431	5.4	0%	83%	83%	0.01
Menasha (City)	75	91	1.1	0%	83%	83%	0.003
Neenah (City)	75	71	0.8	0%	83%	83%	0.002
Neenah (Town)	75	185	2.5	0%	83%	83%	0.007
Nekimi (Town)	75	176	2.1	0%	83%	83%	0.006
North Fond du Lac (Village)	33	43	0.4	0%	83%	83%	0.001

Municipality	TMDL Subbasin	Regulated Area (acres)	TP Wasteload Allocation (lbs./year)	TP Reduction from Baseline			TP Wasteload Allocation (lbs./day)
				Local Reduction (%)	Downstream Reduction (%)	Total Reduction (%)	
North Fond du Lac (Village)	34	745	5.0	0%	83%	83%	0.01
North Fond du Lac (Village)	75	183	1.9	0%	83%	83%	0.005
Omro (Town)	73	42	0.7	0%	83%	83%	0.002
Oshkosh (City)	30	1,800	23	0%	83%	83%	0.06
Oshkosh (City)	73	984	12	0%	83%	83%	0.03
Oshkosh (City)	74	3,406	19	0%	83%	83%	0.05
Oshkosh (City)	75	4,917	50	0%	83%	83%	0.14
Oshkosh (Town)	73	243	2.9	0%	83%	83%	0.008
Oshkosh (Town)	75	316	3.7	0%	83%	83%	0.01
Portage (City)	4	43	1.6	0%	88%	88%	0.004
Portage (City)	7	930	21	0%	88%	88%	0.06
Sherwood (Village)	75	358	5.0	0%	83%	83%	0.01
Taycheedah (Town)	75	262	3.4	0%	83%	83%	0.009
Vinland (Town)	75	11	0.1	0%	83%	83%	0.0004

Table 6. Annual total phosphorus reductions to meet local water quality targets and additional reductions to meet targets in downstream waterbodies. Reductions for TMDL subbasins 55, 56, 58, 59, 80, and 81 (marked with an asterisk, *) include recommended load reduction goals from point and nonpoint sources on tribal lands in each subbasin.

TMDL	Subbasin ID and Name	Local Reduction		Downstream Reduction		Downstream Waterbody	Total Reduction	
		lbs./yr.	%	lbs./yr.	%		lbs./yr.	%
1	Upper Neenah Creek	0	0%	3,752	88%	Buffalo Lake	3,752	88%
2	Tributary to Mason Lake	0	0%	644	79%	Mason Lake	644	79%
3	Mason Lake	0	0%	2,604	79%	Mason Lake	2,604	79%
4	Neenah Creek	0	0%	6,466	88%	Buffalo Lake	6,466	88%
5	Park Lake	0	0%	7,155	74%	Park Lake	7,155	74%
6	Swan Lake	0	0%	993	88%	Buffalo Lake	993	88%
7	Buffalo Lake Inflow	0	0%	9,146	88%	Buffalo Lake	9,146	88%
8	Westfield Creek	0	0%	4,262	83%	Lake Puckaway	4,262	83%
9	Buffalo Lake	0	0%	4,892	88%	Buffalo Lake	4,892	88%
10	Montello River	0	0%	7,448	83%	Lake Puckaway	7,448	83%
11	Little Green Lake	0	0%	288	72%	Little Green Lake	288	72%
12	Upper Grand River	6,928	68%	1,490	15%	Lake Puckaway	8,418	83%
13	Tributary to Grand River	2,202	53%	1,253	30%	Lake Puckaway	3,455	83%
14	Middle Grand River	184	5%	2,758	78%	Lake Puckaway	2,942	83%
15	Lower Grand River	0	0%	6,519	83%	Lake Puckaway	6,519	83%
16	Lake Puckaway	0	0%	4,135	83%	Lake Puckaway	4,135	83%
17	Roy Creek	628	68%	0	0%	-	628	68%
18	Wuerches Creek	984	59%	0	0%	-	984	59%
19	Silver Creek - Below South Koro Road	450	45%	0	0%	-	450	45%
20	Green Lake	0	0%	0	0%	-	0	0%
21	Mecan River	0	0%	14,751	83%	Lake Winnebago	14,751	83%
22	Upper White River	324	5%	5,564	78%	Lake Winnebago	5,888	83%
23	Lower White River	178	3%	4,780	80%	Lake Winnebago	4,959	83%
24	Fox River - Downstream Lake Puckaway	0	0%	5,951	83%	Lake Winnebago	5,951	83%
25	Puchyan River	403	13%	2,109	70%	Lake Winnebago	2,512	83%
26	Harrington Creek	0	0%	484	83%	Lake Winnebago	484	83%
27	Waukau Creek	827	10%	6,353	73%	Lake Winnebago	7,180	83%
28	Fox River - White River to Omro	0	0%	12,327	83%	Lake Winnebago	12,327	83%
29	Fox River - Omro to Lake Butte de Morts	0	0%	2,629	83%	Lake Winnebago	2,629	83%
30	Sawyer Creek	0	0%	1,402	83%	Lake Winnebago	1,402	83%
31	Spring Brook	413	15%	1,870	68%	Lake Winnebago	2,284	83%
32	Van Dyne Creek	69	6%	806	76%	Lake Winnebago	875	83%

TMDL	Subbasin ID and Name	Local Reduction		Downstream Reduction		Downstream Waterbody	Total Reduction	
		lbs./yr.	%	lbs./yr.	%		lbs./yr.	%
33	Anderson Creek	0	0%	406	83%	Lake Winnebago	406	83%
34	Mosher Creek	0	0%	219	83%	Lake Winnebago	219	83%
35	Tributary to West Branch Fond du Lac River	2,273	79%	106	4%	Lake Winnebago	2,379	83%
36	Sevenmile Creek	4,940	82%	33	1%	Lake Winnebago	4,974	83%
37	Campground Creek	3,848	85%	0	0%	-	3,848	85%
38	De Neveu Creek	0	0%	48	83%	Lake Winnebago	48	83%
39	Tributary to De Neveu Creek	557	44%	488	39%	Lake Winnebago	1,045	83%
40	Tributary to Parsons Creek	343	61%	124	22%	Lake Winnebago	466	83%
41	Upper Parsons Creek	864	78%	56	5%	Lake Winnebago	920	83%
42	Parsons Creek	408	52%	247	31%	Lake Winnebago	655	83%
43	East Branch Fond du Lac River	6,839	63%	2,112	20%	Lake Winnebago	8,951	83%
44	West Branch Fond du Lac River	18,559	70%	3,518	13%	Lake Winnebago	22,077	83%
45	Carpenter Creek	0	0%	636	83%	Lake Winnebago	636	83%
46	Mud Creek	876	55%	442	28%	Lake Winnebago	1,318	83%
47	Pine River	0	0%	4,503	83%	Lake Winnebago	4,503	83%
48	Willow Creek	0	0%	9,431	83%	Lake Winnebago	9,431	83%
49	Tributary to Rat River	1,570	56%	765	27%	Lake Winnebago	2,335	83%
50	Rat River	46	1%	6,862	82%	Lake Winnebago	6,908	83%
51	Arrowhead River	1,125	24%	2,762	59%	Lake Winnebago	3,887	83%
52	Bear Creek (Wolf)	7,552	51%	4,811	32%	Lake Winnebago	12,363	83%
53	Shioc River	2,580	19%	8,724	64%	Lake Winnebago	11,303	83%
54	White Clay Lake	0	0%	111	31%	White Clay Lake	111	31%
55	Upper Wolf River	0	0%	30,278	83%	Lake Winnebago	30,278	83%
56	Shawano Lake	0	0%	767	20%	Shawano Lake	767	20%
57	Long Lake	0	0%	284	32%	Long Lake	284	32%
58	Upper Embarrass River	4,217	16%	17,765	67%	Lake Winnebago	21,982	83%
59	Middle Embarrass River	3,665	19%	12,079	64%	Lake Winnebago	15,744	83%
60	Pigeon River	5,947	41%	6,234	42%	Lake Winnebago	12,181	83%
61	Lower Little Wolf River	0	0%	4,788	83%	Lake Winnebago	4,788	83%
62	School Section Lake	0	0%	73	25%	School Section Lake	73	25%
63	Tree Lake	0	0%	266	83%	Lake Winnebago	266	83%
64	Bear Creek (Embarrass)	1,097	39%	1,227	44%	Lake Winnebago	2,324	83%
65	Collins Lake	0	0%	174	38%	Collins Lake	174	38%
66	Waupaca River	6,698	19%	23,060	64%	Lake Winnebago	29,758	83%
67	Wolf River - Shawano to Shioc River	0	0%	27,403	83%	Lake Winnebago	27,403	83%

TMDL	Subbasin ID and Name	Local Reduction		Downstream Reduction		Downstream Waterbody	Total Reduction	
		lbs./yr.	%	lbs./yr.	%		lbs./yr.	%
68	Wolf River - Shioc River to Bear Creek	0	0%	8,195	83%	Lake Winnebago	8,195	83%
69	Wolf River - Bear Creek to Embarrass River	0	0%	4,650	83%	Lake Winnebago	4,650	83%
70	Lower Embarrass River	0	0%	13,607	83%	Lake Winnebago	13,607	83%
71	Wolf River - Embarrass River to Lake Poygan	0	0%	22,412	83%	Lake Winnebago	22,412	83%
72	Lake Poygan and Lake Winneconne	0	0%	8,259	83%	Lake Winnebago	8,259	83%
73	Lake Butte de Morts	0	0%	5,317	83%	Lake Winnebago	5,317	83%
74	Fox River - Lake Butte de Morts to Lake Winnebago	0	0%	50,107	83%	Lake Winnebago	50,107	83%
75	Lake Winnebago	0	0%	36,977	83%	Lake Winnebago	36,977	83%
76	Crane Lake	0	0%	71	83%	Lake Winnebago	71	83%
77	Upper Post Lake	0	0%	1,043	34%	Upper Post Lake	1,043	34%
78	Pine Lake	0	0%	272	34%	Upper Post Lake	272	34%
79	Hill Creek	426	80%	0	0%	-	426	80%
80	Wolf River - Upper Post Lake to Hunting River	0	0%	6,095	83%	Lake Winnebago	6,095	83%
81	Upper Little Wolf River	4,346	10%	32,217	73%	Lake Winnebago	36,563	83%
82	Black Otter Lake	0	0%	3,444	69%	Black Otter Lake	3,444	69%
83	Big Twin Lake	0	0%	138	34%	Big Twin Lake	138	34%
84	Lake Emily	0	0%	212	54%	Lake Emily	212	54%
85	Old Taylor Lake	0	0%	19	90%	Old Taylor Lake	19	90%
86	Spring Lake	0	0%	577	55%	Spring Lake	577	55%
87	Silver Creek - Above South Koro Road	6,838	76%	0	0%	-	6,838	76%
88	Fond du Lac River	0	0%	56	83%	Lake Winnebago	56	83%
89	Black Creek	2,741	36%	3,632	47%	Lake Winnebago	6,373	83%