

APPENDIX D

ALLOCATION TABLES FOR TOTAL PHOSPHORUS

Supporting the Fox Illinois River Basin Total Maximum Daily Load (TMDL) for Phosphorus and Total Suspended Solids

TABLE D.1

Annual total phosphorus (TP) allocations for each TMDL reach

Abbreviations: LA = load allocation, WLA = wasteload allocation, RC = reserve capacity, BG = background load, Ag. = agriculture allocation, NPU = non-permitted urban allocation, GP = general permit load, MS4 = permitted MS4 allocation, IP = individual permit allocation

Note: All annual allocation loads have been rounded to the nearest pound.

Reach	Total Phosphorus Allocations (lb/yr)									
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	Reserve Capacity
1	189	151	96	55	0	33	4	29	0	5
2	1,663	210	166	44	0	1,378	5	54	1,319	75
3	112	83	0	83	0	23	5	18	0	6
4	876	712	562	146	4	148	10	138	0	16
5	598	494	450	42	2	97	3	94	0	7
6	1,435	842	154	670	18	529	7	522	0	64
7	826	611	39	454	118	176	6	170	0	39
8	819	269	157	112	0	517	1	516	0	33
9	913	506	90	406	10	366	4	362	0	41
10	216	148	101	47	0	62	3	59	0	6
11	196	115	98	17	0	76	1	75	0	5
12	273	139	79	60	0	124	4	120	0	10
13	1,068	913	620	293	0	133	19	114	0	22
14	168	110	110	0	0	55	0	55	0	3
15	59	22	22	0	0	35	0	35	0	2
16	6,223	95	55	40	0	5,820	3	55	5,762	308
17	104	43	41	2	0	58	0	58	0	3
18	2,465	84	84	0	0	2,262	0	96	2,166	119

TABLE D.1 (Continued)

Reach	Total Phosphorus Allocations (lb/yr)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
19	329	289	210	57	22	34	5	29	0	6
20	62	4	0	4	0	55	0	55	0	3
21	24	8	8	0	0	15	0	15	0	1
22	231	151	91	54	6	73	4	69	0	7
23	370	341	128	83	130	17	2	15	0	12
24	146	135	104	21	10	9	2	7	0	2
25	296	252	202	18	32	39	3	36	0	5
26	432	393	284	66	43	32	7	25	0	7
27	310	223	144	79	0	79	5	74	0	8
28	572	478	449	27	2	88	2	86	0	6
29	387	326	182	91	53	51	10	41	0	10
30	612	524	232	290	2	69	19	50	0	19
31	1,077	1,041	901	98	42	27	9	18	0	9
32	308	220	42	43	135	75	2	73	0	13
33	368	349	76	141	132	4	3	1	0	15
34	535	504	22	122	360	5	5	0	0	26
35	470	447	81	328	38	4	4	0	0	19
36	489	472	202	129	141	3	3	0	0	14
37	379	360	56	92	212	3	3	0	0	16
38	19	18	3	5	10	0	0	0	0	1
39	388	375	177	85	113	2	2	0	0	11
40	41	36	5	7	24	3	0	3	0	2

TABLE D.1 (Continued)

Reach	Total Phosphorus Allocations (lb/yr)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
41	584	559	261	108	190	9	3	6	0	16
42	268	139	42	36	61	118	1	117	0	11
43	70	48	29	18	1	20	1	19	0	2
44	739	11	9	1	1	691	0	0	691	37
45	1,180	1,093	386	669	38	47	47	0	0	40
46	1,887	1,675	413	1,217	45	138	83	55	0	74
47	983	816	25	770	21	119	8	111	0	48
48	1,593	1,463	581	846	36	79	58	21	0	51
49	221	197	22	131	44	14	12	2	0	10
50	2,297	1,357	104	1,253	0	830	13	817	0	110
51	228	67	28	39	0	151	0	151	0	10
52	483	266	26	240	0	194	2	192	0	23
53	1,301	1,018	152	821	45	226	9	217	0	57
54	805	678	108	570	0	92	10	82	0	35
55	687	601	0	588	13	52	40	0	12	34
56	427	381	0	363	18	25	25	0	0	21
57	207	173	9	164	0	24	5	19	0	10
58	373	299	53	245	1	58	2	56	0	16
59	102	58	7	41	10	39	1	38	0	5
60	905	115	28	78	9	746	6	3	737	44
61	619	482	54	409	19	109	4	105	0	28
62	333	305	95	203	7	16	14	2	0	12

TABLE D.1 (Continued)

Reach	Total Phosphorus Allocations (lb/yr)									
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	Reserve Capacity
63	432	390	47	330	13	23	23	0	0	19
64	259	221	29	184	8	27	27	0	0	11
65	649	411	42	357	12	208	24	0	184	30
66	38	36	21	8	7	1	1	0	0	1
67	1,294	61	20	28	13	1,169	3	0	1,166	64
68	573	503	156	321	26	49	23	26	0	21
69	297	280	14	256	10	3	3	0	0	14
70	105	103	81	16	6	1	1	0	0	1
71	1,775	1,676	107	1,295	274	16	16	0	0	83
72	112	109	83	19	7	2	2	0	0	1
73	683	630	194	417	19	29	29	0	0	24
74	392	361	109	246	6	17	17	0	0	14
75	629	220	88	71	61	382	9	0	373	27
76	201	191	111	63	17	5	5	0	0	5
77	191	178	3	116	59	4	4	0	0	9
78	143	132	41	89	2	6	6	0	0	5
79	98	90	23	65	2	4	4	0	0	4
80	169	153	22	128	3	9	9	0	0	7
81	150	146	116	28	2	2	2	0	0	2
82	425	392	121	265	6	18	18	0	0	15
83	332	315	179	129	7	9	9	0	0	8
84	467	442	251	173	18	14	13	1	0	11

TABLE D.1 (Continued)

Reach	Total Phosphorus Allocations (lb/yr)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
85	302	254	45	187	22	35	14	21	0	13
86	658	601	246	339	16	36	23	13	0	21
87	196	185	25	114	46	2	2	0	0	9
88	874	838	544	267	27	19	19	0	0	17
89	78	72	22	48	2	3	3	0	0	3
90	143	134	63	69	2	5	5	0	0	4
91	687	639	246	326	67	26	26	0	0	22
92	1,141	1,088	246	233	609	8	8	0	0	45
93	767	527	149	329	49	209	25	0	184	31
94	64	57	23	33	1	5	5	0	0	2
95	3,292	3,120	390	1,479	1,251	27	27	0	0	145
96	641	610	356	198	56	17	17	0	0	14
97	165	154	71	27	56	6	6	0	0	5
98	39	37	20	0	17	1	1	0	0	1
99	1,178	1,078	256	806	16	54	54	0	0	46
100	49	14	12	0	2	33	0	33	0	2
101	1,243	1,173	657	463	53	41	34	7	0	29
102	608	475	205	249	21	113	18	0	95	20
103	833	766	218	532	16	36	36	0	0	31
104	348	298	59	233	6	36	16	20	0	14
105	1,539	1,451	51	1,235	165	14	14	0	0	74
106	2,135	322	142	158	22	1,713	12	38	1,663	100

TABLE D.1 (Continued)

Reach	Total Phosphorus Allocations (lb/yr)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
107	138	124	4	49	71	7	1	6	0	7
108	713	650	129	487	34	34	34	0	0	29
109	35	31	19	6	6	3	1	0	2	1
110	465	419	47	358	14	25	25	0	0	21
111	294	267	71	182	14	16	13	3	0	11
112	361	333	101	221	11	15	15	0	0	13
113	486	417	90	318	9	49	22	0	27	20
114	322	291	40	217	34	17	17	0	0	14
115	895	220	76	135	9	634	9	26	599	41
116	142	132	51	72	9	5	5	0	0	5
117	1,099	1,005	63	877	65	42	9	33	0	52
118	533	478	91	371	16	33	26	7	0	22
119	1,380	289	147	107	35	1,029	9	15	1,005	62
120	1,823	1,718	65	1,635	18	17	17	0	0	88
121	1,583	1,486	0	1,369	117	18	18	0	0	79
122	1,913	1,778	169	1,556	53	48	25	23	0	87
123	2,871	2,679	45	1,975	659	51	36	15	0	141
124	453	391	36	304	51	41	4	37	0	21
125	417	122	91	23	8	279	2	6	271	16
126	1,160	1,058	245	762	51	56	11	45	0	46
127	1,561	94	18	67	9	1,390	1	80	1,309	77
128	1,227	1,118	0	807	311	48	13	35	0	61

TABLE D.1 (Continued)

Reach	Total Phosphorus Allocations (lb/yr)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
129	377	208	9	188	11	151	2	149	0	18
130	1,430	1,219	241	838	140	152	10	142	0	59
131	2,286	2,079	53	1,970	56	95	20	75	0	112
132	2,948	2,709	83	2,570	56	96	26	70	0	143
133	538	509	75	408	26	6	4	2	0	23
134	792	660	52	494	114	95	9	86	0	37
135	123	100	6	93	1	17	4	13	0	6
136	427	354	27	289	38	53	8	4	41	20
137	1,806	1,683	90	1,551	42	37	29	8	0	86
138	95	81	14	51	16	10	3	0	7	4
139	85	81	25	29	27	1	1	0	0	3
140	319	283	15	264	4	21	12	9	0	15
141	254	163	0	163	0	78	2	76	0	13
142	423	323	19	295	9	80	4	76	0	20
143	460	398	65	314	19	42	14	28	0	20
144	1,833	1,138	137	958	43	610	43	1	566	85
145	298	250	0	213	37	33	10	0	23	15
146	118	50	0	49	1	62	3	0	59	6
147	247	162	3	157	2	73	4	0	69	12
148	1,567	1,420	33	1,342	45	70	23	47	0	77
149	1,962	1,793	33	1,704	56	73	73	0	0	96
150	1,184	452	9	407	36	673	18	14	641	59

TABLE D.1 (Continued)

Reach	Total Phosphorus Allocations (lb/yr)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
151	1,051	972	60	884	28	29	29	0	0	50
152	738	672	14	622	36	30	10	20	0	36
153	1,747	1,580	27	1,497	56	81	24	57	0	86
154	648	412	35	322	55	205	6	199	0	31
155	13	0	0	0	0	12	0	12	0	1
156	305	166	37	129	0	126	2	124	0	13
157	1,178	835	124	711	0	290	11	279	0	53
158	2,631	2,275	267	1,870	138	238	31	207	0	118

TABLE D.2

Daily total phosphorus (TP) allocations for each TMDL reach

Abbreviations: LA = load allocation, WLA = wasteload allocation, RC = reserve capacity, BG = background load, Ag. = agriculture allocation, NPU = non-permitted urban allocation, GP = general permit load, MS4 = permitted MS4 allocation, IP = individual permit allocation

Note: All daily allocation loads have been rounded to the nearest 0.001 pound.

Reach	Total Phosphorus Allocations (lb/day)									
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	Reserve Capacity
1	0.514	0.412	0.262	0.150	0	0.089	0.010	0.079	0	0.013
2	4.557	0.575	0.454	0.121	0	3.774	0.014	0.148	3.612	0.208
3	0.306	0.228	0.001	0.227	0	0.063	0.015	0.048	0	0.015
4	2.395	1.946	1.538	0.398	0.010	0.405	0.027	0.378	0	0.044
5	1.640	1.354	1.233	0.116	0.005	0.265	0.008	0.257	0	0.021
6	3.930	2.305	0.421	1.834	0.050	1.447	0.019	1.428	0	0.178
7	2.265	1.674	0.107	1.244	0.323	0.481	0.016	0.465	0	0.110
8	2.244	0.737	0.431	0.306	0	1.415	0.003	1.412	0	0.092
9	2.502	1.385	0.246	1.111	0.028	1.002	0.011	0.991	0	0.115
10	0.592	0.406	0.277	0.129	0	0.170	0.009	0.161	0	0.016
11	0.537	0.315	0.268	0.047	0	0.208	0.003	0.205	0	0.014
12	0.747	0.381	0.216	0.164	0.001	0.339	0.011	0.328	0	0.027
13	2.927	2.500	1.699	0.801	0	0.365	0.053	0.312	0	0.062
14	0.459	0.301	0.301	0	0	0.150	0	0.150	0	0.008
15	0.163	0.061	0.061	0	0	0.097	0	0.097	0	0.005
16	17.049	0.260	0.151	0.109	0	15.931	0.007	0.149	15.775	0.858
17	0.286	0.119	0.113	0.006	0	0.158	0	0.158	0	0.009
18	6.754	0.230	0.230	0	0	6.193	0	0.262	5.931	0.331

TABLE D.2 (Continued)

Reach	Total Phosphorus Allocations (lb/day)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
19	0.903	0.793	0.576	0.155	0.062	0.093	0.014	0.079	0	0.017
20	0.173	0.011	0	0.011	0	0.153	0.001	0.152	0	0.009
21	0.065	0.021	0.021	0	0	0.042	0	0.042	0	0.002
22	0.631	0.412	0.250	0.147	0.015	0.200	0.011	0.189	0	0.019
23	1.015	0.934	0.351	0.227	0.356	0.047	0.006	0.041	0	0.034
24	0.401	0.369	0.286	0.057	0.026	0.026	0.006	0.020	0	0.006
25	0.811	0.691	0.554	0.049	0.088	0.107	0.009	0.098	0	0.013
26	1.183	1.073	0.776	0.180	0.117	0.089	0.020	0.069	0	0.021
27	0.849	0.610	0.393	0.217	0	0.216	0.014	0.202	0	0.023
28	1.569	1.310	1.230	0.073	0.007	0.242	0.005	0.237	0	0.017
29	1.063	0.894	0.499	0.249	0.146	0.140	0.026	0.114	0	0.029
30	1.677	1.435	0.636	0.794	0.005	0.189	0.053	0.136	0	0.053
31	2.948	2.850	2.468	0.268	0.114	0.074	0.025	0.049	0	0.024
32	0.847	0.604	0.116	0.118	0.370	0.206	0.005	0.201	0	0.037
33	1.008	0.957	0.209	0.387	0.361	0.010	0.007	0.003	0	0.041
34	1.462	1.378	0.059	0.333	0.986	0.013	0.013	0	0	0.071
35	1.288	1.224	0.222	0.897	0.105	0.010	0.010	0	0	0.054
36	1.338	1.291	0.553	0.352	0.386	0.007	0.007	0	0	0.040
37	1.036	0.983	0.152	0.252	0.579	0.008	0.008	0	0	0.045
38	0.053	0.051	0.009	0.014	0.028	0	0	0	0	0.002
39	1.061	1.025	0.484	0.232	0.309	0.007	0.007	0	0	0.029
40	0.114	0.100	0.015	0.018	0.067	0.009	0.001	0.008	0	0.005

TABLE D.2 (Continued)

Reach	Total Phosphorus Allocations (lb/day)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
41	1.598	1.529	0.714	0.294	0.521	0.024	0.008	0.016	0	0.045
42	0.735	0.382	0.116	0.099	0.167	0.322	0.003	0.319	0	0.031
43	0.196	0.133	0.080	0.050	0.003	0.057	0.004	0.053	0	0.006
44	2.028	0.032	0.024	0.004	0.004	1.894	0.001	0	1.893	0.102
45	3.232	2.993	1.057	1.832	0.104	0.129	0.128	0.001	0	0.110
46	5.172	4.587	1.130	3.333	0.124	0.380	0.228	0.152	0	0.205
47	2.693	2.235	0.068	2.109	0.058	0.325	0.022	0.303	0	0.133
48	4.363	4.004	1.591	2.315	0.098	0.218	0.160	0.058	0	0.141
49	0.602	0.538	0.059	0.359	0.120	0.036	0.032	0.004	0	0.028
50	6.289	3.713	0.283	3.430	0	2.271	0.034	2.237	0	0.305
51	0.625	0.183	0.076	0.107	0	0.414	0.001	0.413	0	0.028
52	1.324	0.728	0.070	0.658	0	0.532	0.007	0.525	0	0.064
53	3.567	2.789	0.417	2.248	0.124	0.618	0.024	0.594	0	0.160
54	2.204	1.855	0.296	1.559	0	0.252	0.027	0.225	0	0.097
55	1.884	1.647	0.001	1.611	0.035	0.141	0.109	0	0.032	0.096
56	1.176	1.047	0.001	0.995	0.051	0.069	0.069	0	0	0.060
57	0.563	0.472	0.024	0.448	0	0.064	0.013	0.051	0	0.027
58	1.020	0.817	0.145	0.670	0.002	0.159	0.007	0.152	0	0.044
59	0.277	0.159	0.020	0.112	0.027	0.105	0.001	0.104	0	0.013
60	2.479	0.313	0.077	0.213	0.023	2.044	0.016	0.009	2.019	0.122
61	1.700	1.321	0.149	1.120	0.052	0.300	0.012	0.288	0	0.079
62	0.911	0.834	0.260	0.555	0.019	0.044	0.038	0.006	0	0.033

TABLE D.2 (Continued)

Reach	Total Phosphorus Allocations (lb/day)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
63	1.186	1.070	0.130	0.904	0.036	0.062	0.062	0	0	0.054
64	0.709	0.604	0.079	0.504	0.021	0.073	0.073	0	0	0.032
65	1.782	1.125	0.116	0.976	0.033	0.572	0.067	0	0.505	0.085
66	0.102	0.097	0.056	0.023	0.018	0.003	0.003	0	0	0.002
67	3.542	0.165	0.055	0.076	0.034	3.200	0.007	0	3.193	0.177
68	1.571	1.378	0.428	0.879	0.071	0.135	0.063	0.072	0	0.058
69	0.809	0.763	0.037	0.700	0.026	0.007	0.007	0	0	0.039
70	0.287	0.280	0.220	0.043	0.017	0.004	0.004	0	0	0.003
71	4.865	4.590	0.293	3.546	0.751	0.043	0.043	0	0	0.232
72	0.309	0.300	0.228	0.053	0.019	0.005	0.005	0	0	0.004
73	1.872	1.725	0.531	1.142	0.052	0.079	0.079	0	0	0.068
74	1.076	0.991	0.300	0.674	0.017	0.046	0.046	0	0	0.039
75	1.724	0.603	0.242	0.195	0.166	1.046	0.024	0	1.022	0.075
76	0.554	0.526	0.305	0.174	0.047	0.015	0.015	0	0	0.013
77	0.526	0.489	0.009	0.318	0.162	0.011	0.010	0.001	0	0.026
78	0.396	0.365	0.114	0.244	0.007	0.017	0.017	0	0	0.014
79	0.268	0.246	0.064	0.178	0.004	0.012	0.012	0	0	0.010
80	0.462	0.418	0.059	0.351	0.008	0.024	0.024	0	0	0.020
81	0.409	0.399	0.317	0.077	0.005	0.005	0.005	0	0	0.005
82	1.165	1.074	0.331	0.726	0.017	0.049	0.049	0	0	0.042
83	0.908	0.862	0.490	0.352	0.020	0.025	0.025	0	0	0.021
84	1.280	1.213	0.688	0.475	0.050	0.037	0.035	0.002	0	0.030

TABLE D.2 (Continued)

Reach	Total Phosphorus Allocations (lb/day)									
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	Reserve Capacity
85	0.827	0.695	0.123	0.511	0.061	0.096	0.038	0.058	0	0.036
86	1.803	1.646	0.673	0.928	0.045	0.100	0.064	0.036	0	0.057
87	0.536	0.508	0.069	0.313	0.126	0.004	0.004	0	0	0.024
88	2.396	2.297	1.491	0.732	0.074	0.053	0.053	0	0	0.046
89	0.216	0.199	0.061	0.133	0.005	0.009	0.009	0	0	0.008
90	0.391	0.367	0.173	0.189	0.005	0.013	0.013	0	0	0.011
91	1.883	1.751	0.675	0.892	0.184	0.071	0.071	0	0	0.061
92	3.126	2.979	0.675	0.637	1.667	0.023	0.023	0	0	0.124
93	2.103	1.443	0.407	0.901	0.135	0.574	0.069	0	0.505	0.086
94	0.175	0.156	0.063	0.090	0.003	0.013	0.013	0	0	0.006
95	9.023	8.543	1.069	4.049	3.425	0.076	0.075	0.001	0	0.404
96	1.756	1.670	0.975	0.543	0.152	0.046	0.046	0	0	0.040
97	0.451	0.423	0.195	0.074	0.154	0.015	0.015	0	0	0.013
98	0.110	0.104	0.056	0	0.048	0.003	0.003	0	0	0.003
99	3.228	2.951	0.701	2.207	0.043	0.149	0.149	0	0	0.128
100	0.134	0.039	0.033	0	0.006	0.090	0	0.090	0	0.005
101	3.407	3.212	1.800	1.267	0.145	0.113	0.093	0.020	0	0.082
102	1.667	1.301	0.560	0.683	0.058	0.310	0.049	0	0.261	0.056
103	2.282	2.097	0.597	1.457	0.043	0.099	0.099	0	0	0.086
104	0.954	0.816	0.161	0.638	0.017	0.098	0.043	0.055	0	0.040
105	4.216	3.971	0.139	3.381	0.451	0.038	0.038	0	0	0.207
106	5.846	0.881	0.389	0.432	0.060	4.688	0.032	0.103	4.553	0.277

TABLE D.2 (Continued)

Reach	Total Phosphorus Allocations (lb/day)									
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	Reserve Capacity
107	0.374	0.338	0.011	0.134	0.193	0.018	0.003	0.015	0	0.018
108	1.953	1.778	0.352	1.334	0.092	0.094	0.094	0	0	0.081
109	0.096	0.086	0.051	0.017	0.018	0.008	0.002	0	0.006	0.002
110	1.273	1.148	0.129	0.980	0.039	0.067	0.067	0	0	0.058
111	0.806	0.731	0.195	0.499	0.037	0.044	0.035	0.009	0	0.031
112	0.990	0.912	0.276	0.606	0.030	0.042	0.042	0	0	0.036
113	1.326	1.139	0.245	0.869	0.025	0.132	0.059	0	0.073	0.055
114	0.880	0.796	0.110	0.593	0.093	0.045	0.045	0	0	0.039
115	2.453	0.602	0.209	0.369	0.024	1.737	0.026	0.070	1.641	0.114
116	0.388	0.360	0.139	0.198	0.023	0.015	0.015	0	0	0.013
117	3.009	2.749	0.171	2.401	0.177	0.116	0.026	0.090	0	0.144
118	1.460	1.309	0.249	1.017	0.043	0.090	0.070	0.020	0	0.061
119	3.782	0.792	0.403	0.293	0.096	2.818	0.026	0.041	2.751	0.172
120	4.991	4.702	0.178	4.476	0.048	0.045	0.045	0	0	0.244
121	4.340	4.070	0	3.749	0.321	0.050	0.050	0	0	0.220
122	5.243	4.867	0.461	4.261	0.145	0.133	0.069	0.064	0	0.243
123	7.866	7.334	0.124	5.406	1.804	0.139	0.097	0.042	0	0.393
124	1.239	1.069	0.099	0.832	0.138	0.112	0.010	0.102	0	0.058
125	1.140	0.333	0.248	0.062	0.023	0.762	0.004	0.015	0.743	0.045
126	3.176	2.895	0.671	2.085	0.139	0.154	0.030	0.124	0	0.127
127	4.279	0.258	0.049	0.183	0.026	3.806	0.003	0.220	3.583	0.215
128	3.365	3.064	0.001	2.210	0.853	0.130	0.035	0.095	0	0.171

TABLE D.2 (Continued)

Reach	Total Phosphorus Allocations (lb/day)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
129	1.033	0.570	0.025	0.515	0.030	0.412	0.005	0.407	0	0.051
130	3.919	3.339	0.661	2.295	0.383	0.415	0.027	0.388	0	0.165
131	6.265	5.692	0.144	5.394	0.154	0.262	0.055	0.207	0	0.311
132	8.078	7.415	0.226	7.036	0.153	0.264	0.072	0.192	0	0.399
133	1.478	1.395	0.205	1.118	0.072	0.018	0.012	0.006	0	0.065
134	2.167	1.806	0.142	1.353	0.311	0.258	0.023	0.235	0	0.103
135	0.332	0.271	0.016	0.253	0.002	0.045	0.010	0.035	0	0.016
136	1.169	0.968	0.073	0.792	0.103	0.145	0.023	0.010	0.112	0.056
137	4.950	4.608	0.248	4.246	0.114	0.103	0.080	0.023	0	0.239
138	0.261	0.223	0.039	0.140	0.044	0.027	0.008	0	0.019	0.011
139	0.232	0.222	0.068	0.079	0.075	0.002	0.002	0	0	0.008
140	0.873	0.774	0.042	0.722	0.010	0.057	0.032	0.025	0	0.042
141	0.693	0.446	0	0.446	0	0.212	0.004	0.208	0	0.035
142	1.162	0.885	0.053	0.808	0.024	0.221	0.012	0.209	0	0.056
143	1.260	1.089	0.178	0.858	0.053	0.116	0.039	0.077	0	0.055
144	5.020	3.114	0.374	2.623	0.117	1.670	0.118	0.002	1.550	0.236
145	0.814	0.682	0	0.582	0.100	0.091	0.028	0	0.063	0.041
146	0.323	0.138	0	0.134	0.004	0.169	0.008	0	0.161	0.016
147	0.675	0.441	0.007	0.429	0.005	0.200	0.012	0	0.188	0.034
148	4.292	3.885	0.090	3.673	0.122	0.194	0.064	0.130	0	0.213
149	5.372	4.905	0.089	4.664	0.152	0.199	0.199	0	0	0.268
150	3.242	1.236	0.024	1.114	0.098	1.843	0.050	0.038	1.755	0.163

TABLE D.2 (Continued)

Reach	Total Phosphorus Allocations (lb/day)									Reserve Capacity
	Total Allocation (LA+WLA+RC)	Load Allocation (BG+Ag+NPU)	BG	Ag.	NPU	Wasteload Allocation (GP+MS4+IP)	GP	MS4	IP	
151	2.878	2.661	0.165	2.419	0.077	0.079	0.079	0	0	0.138
152	2.025	1.840	0.039	1.703	0.098	0.084	0.028	0.056	0	0.101
153	4.787	4.325	0.073	4.099	0.153	0.223	0.066	0.157	0	0.239
154	1.775	1.129	0.096	0.882	0.151	0.561	0.016	0.545	0	0.085
155	0.034	0	0	0	0	0.032	0	0.032	0	0.002
156	0.838	0.456	0.102	0.354	0	0.345	0.006	0.339	0	0.037
157	3.227	2.285	0.339	1.946	0	0.795	0.030	0.765	0	0.147
158	7.210	6.228	0.731	5.119	0.378	0.653	0.086	0.567	0	0.329

TABLE D.3

Annual total phosphorus (TP) wasteload allocations for each individual permitted point source

Note: All annual allocation loads have been rounded to the nearest pound. All daily allocation loads have been rounded to the nearest 0.001 pound.

Reach	Permit no.	Outfall no.	Facility name	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)
2	0020559	001	SUSSEX WASTEWATER TREATMENT FACILITY	1,319	3.612
16	0023469	001	BROOKFIELD FOX WATER POLLUTION CNTRL	5,762	15.775
18	0029971	001	WAUKESHA CITY	2,166	5.931
44	0020265	001	MUKWONAGO WASTEWATER TREATMENT PLANT	691	1.893
55	0029807	004	LAKEVIEW NEUROLOGICAL REHAB CENTER-MIDWEST	12	0.032
60	0031470	001	NORWAY SD 1 WWTF	737	2.019
65	0031526	001	EAGLE LAKE SEWER UTILITY	184	0.505
67	0028754	001	WESTERN RACINE COUNTY SEWERAGE DISTRICT	1,166	3.193
75	0020397	001	EAST TROY WWTF	373	1.022
93	0029327	001	GRAND GENEVA RESORT & SPA	184	0.505
102	0031941	001	LYONS SD NO 2	95	0.261
106	0022926	001	BURLINGTON WATER POLLUTION CONTROL	1,613	4.417
106	0065684	001	APPLIED MATERIAL SOLUTIONS INC BURLINGTON	50	0.136
109	0031887	001	WI DNR BONG REC AREA WWTF	2	0.006
113	0031011	001	WHEATLAND ESTATES MHP	27	0.073
115	0021695	003	TWIN LAKES WWTF	599	1.641
119	0031496	001	SALEM UTILITY DISTRICT 2	1,005	2.751
125	0049794	001	PELL LAKE SANITARY DISTRICT NO 1	271	0.743
127	0021083	001	GENOA CITY VILLAGE	1,309	3.583
136	0030481	002	PARAMSKI MHP RAINBOW LAKE MANOR	41	0.112

TABLE D.3 (Continued)

Reach	Permit no.	Outfall no.	Facility name	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)
138	0060348	001	BRIGHTON DALE LINKS WWTP	7	0.019
144	0025062	001	PADDOCK LAKE WWTF	566	1.550
145	0030660	001	FONKS HOME CENTER INC_HICKORY HAVEN	23	0.063
146	0049131	001	WI ELECTRIC POWER CO TN OF PARIS	59	0.161
147	0050784	002	KENOSHA BEEF INTERNATIONAL	69	0.188
150	0022021	001	BRISTOL UTILITY DISTRICT 1	641	1.755

TABLE D.4

Annual total phosphorus (TP) wasteload allocations for each permitted MS4

Note: All annual allocation loads have been rounded to the nearest pound. All daily allocation loads have been rounded to the nearest 0.001 pound. All percent reduction values have been rounded to the nearest percent.

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
Village of Big Bend	29	251	9	0.025	85%	87%
Village of Big Bend	46	525	22	0.059	85%	87%
Village of Bloomfield	95	1	0	0.001	0%	15%
Village of Bloomfield	96	1	0	0	85%	87%
Village of Bloomfield	100	228	33	0.09	0%	15%
Village of Bloomfield	101	93	6	0.016	85%	87%
Village of Bloomfield	123	13	13	0.035	26%	37%
Village of Bloomfield	124	20	3	0.009	0%	15%
Village of Bloomfield	126	66	10	0.027	26%	37%
Village of Bloomfield	125	187	6	0.015	81%	84%
Village of Bloomfield	122	231	23	0.064	36%	45%
Village of Bristol	135	39	3	0.009	75%	78%
Village of Bristol	137	35	8	0.023	45%	54%
Village of Bristol	136	22	4	0.01	61%	67%
Village of Bristol	143	123	8	0.023	77%	80%
Village of Bristol	148	23	4	0.01	41%	50%
Village of Bristol	150	142	14	0.038	76%	79%
Village of Bristol	154	1	0	0	36%	45%
City of Brookfield	4	3	0	0	85%	87%
City of Brookfield	5	3,622	83	0.226	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
City of Brookfield	12	1,480	44	0.12	85%	87%
City of Brookfield	13	218	7	0.018	85%	87%
City of Brookfield	14	511	17	0.047	85%	87%
City of Brookfield	16	463	11	0.031	85%	87%
Town of Brookfield	5	29	1	0.002	85%	87%
Town of Brookfield	12	120	4	0.01	85%	87%
Town of Brookfield	13	427	13	0.035	85%	87%
Town of Brookfield	14	893	30	0.082	85%	87%
Town of Brookfield	16	125	3	0.008	85%	87%
Town of Brookfield	15	153	5	0.015	85%	87%
Town of Brookfield	17	167	5	0.013	85%	87%
City of Burlington	68	857	26	0.072	85%	87%
City of Burlington	84	36	1	0.002	85%	87%
City of Burlington	103	3	0	0	85%	87%
City of Burlington	101	22	1	0.004	85%	87%
City of Burlington	104	451	20	0.055	85%	87%
City of Burlington	106	1,486	38	0.103	85%	87%
City of Burlington	107	24	6	0.015	0%	15%
Town of Delafield	6	321	76	0.207	0%	15%
Town of Delafield	9	1,248	223	0.612	0%	15%
Town of Delafield	7	434	135	0.369	0%	15%
Town of Delafield	8	18	4	0.011	0%	15%
Town of Delafield	22	4	0	0	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
Town of Delafield	19	22	1	0.003	85%	87%
City of Elkhorn	86	434	13	0.036	85%	87%
City of Elkhorn	85	664	21	0.058	85%	87%
City of Elkhorn	88	3	0	0	85%	87%
Town of Genesee	22	10	0	0.001	85%	87%
Town of Genesee	19	295	15	0.042	85%	87%
Town of Genesee	25	661	19	0.053	85%	87%
Town of Genesee	24	141	6	0.017	85%	87%
Town of Genesee	26	259	11	0.03	85%	87%
Village of Genoa City	123	3	2	0.007	26%	37%
Village of Genoa City	126	32	5	0.013	26%	37%
Village of Genoa City	130	20	6	0.016	0%	15%
Village of Genoa City	128	59	35	0.095	12%	25%
Village of Genoa City	127	481	80	0.22	26%	37%
Village of Hartland	6	434	102	0.28	0%	15%
City of Kenosha	148	282	44	0.12	41%	50%
City of Kenosha	153	150	21	0.058	36%	45%
City of Kenosha	154	1,069	158	0.432	36%	45%
City of Kenosha	157	519	55	0.151	36%	45%
City of Kenosha	147	2	0	0	64%	69%
Village of Lannon	1	250	8	0.022	85%	87%
Village of Lannon	4	568	20	0.055	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
Village of Lisbon	1	549	18	0.048	85%	87%
Village of Lisbon	4	782	28	0.075	85%	87%
Village of Lisbon	5	28	1	0.002	85%	87%
Village of Lisbon	2	1,132	20	0.055	92%	93%
Village of Lisbon	3	575	10	0.026	85%	87%
Village of Lisbon	6	832	196	0.538	0%	15%
Village of Lisbon	10	64	2	0.005	85%	87%
Village of Menomonee Falls	1	93	3	0.008	85%	87%
Village of Menomonee Falls	4	2,182	77	0.211	85%	87%
Village of Menomonee Falls	5	255	6	0.016	85%	87%
Village of Menomonee Falls	3	61	1	0.003	85%	87%
Town of Merton	6	172	41	0.111	0%	15%
Village of Merton	2	16	0	0.001	92%	93%
Village of Merton	6	6	1	0.004	0%	15%
Village of Mount Pleasant	152	127	18	0.048	36%	45%
Village of Mount Pleasant	153	32	4	0.012	36%	45%
Village of Mukwonago	31	340	10	0.028	85%	87%
Village of Mukwonago	41	19	6	0.016	0%	15%
Village of Mukwonago	40	20	3	0.008	10%	23%
Village of Mukwonago	42	923	117	0.319	0%	15%
Village of Mukwonago	43	849	19	0.053	85%	87%
Village of Mukwonago	45	5	0	0.001	85%	87%
Village of Mukwonago	77	2	0	0.001	51%	59%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
Village of Mukwonago	78	2	0	0	85%	87%
Village of Mukwonago	44	4	0	0	85%	87%
City of Muskego	29	21	1	0.002	85%	87%
City of Muskego	46	305	13	0.035	85%	87%
City of Muskego	50	1,679	338	0.926	0%	15%
City of Muskego	51	878	151	0.413	0%	15%
City of Muskego	52	977	192	0.525	0%	15%
City of Muskego	53	1,031	217	0.594	0%	15%
City of Muskego	54	660	82	0.225	42%	51%
City of Muskego	61	114	17	0.048	0%	15%
City of Muskego	58	9	1	0.004	0%	15%
City of Muskego	57	263	18	0.048	67%	72%
City of Muskego	62	55	1	0.004	85%	87%
City of New Berlin	12	2,430	72	0.198	85%	87%
City of New Berlin	13	2,827	85	0.233	85%	87%
City of New Berlin	15	6	0	0.001	85%	87%
City of New Berlin	27	851	33	0.091	85%	87%
City of New Berlin	28	10	0	0.001	85%	87%
City of New Berlin	29	117	4	0.011	85%	87%
City of New Berlin	50	2,378	479	1.311	0%	15%
Village of North Prairie	25	312	9	0.025	85%	87%
Village of North Prairie	23	49	15	0.041	0%	15%
Village of North Prairie	24	30	1	0.004	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
Village of North Prairie	32	423	73	0.201	0%	15%
Village of North Prairie	33	4	1	0.003	0%	15%
Town of Norway	46	1	0	0	85%	87%
Town of Norway	61	573	88	0.24	0%	15%
Town of Norway	58	312	50	0.138	0%	15%
Town of Norway	59	213	38	0.104	0%	15%
Town of Norway	57	16	1	0.003	67%	72%
Town of Norway	60	135	3	0.009	85%	87%
Town of Norway	62	41	1	0.003	85%	87%
Village of Paddock Lake	117	24	3	0.009	0%	15%
Village of Paddock Lake	144	6	1	0.002	77%	80%
Village of Paddock Lake	142	140	29	0.08	29%	40%
Village of Paddock Lake	143	57	4	0.011	77%	80%
Village of Paddock Lake	141	272	76	0.208	0%	15%
Village of Paddock Lake	140	142	9	0.025	77%	80%
City of Pewaukee	5	175	4	0.011	85%	87%
City of Pewaukee	2	501	9	0.024	92%	93%
City of Pewaukee	3	40	1	0.002	85%	87%
City of Pewaukee	6	299	70	0.193	0%	15%
City of Pewaukee	9	592	106	0.29	0%	15%
City of Pewaukee	7	114	35	0.097	0%	15%
City of Pewaukee	8	1,056	246	0.674	0%	15%
City of Pewaukee	10	412	12	0.034	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
City of Pewaukee	11	1,065	33	0.091	85%	87%
City of Pewaukee	16	1,672	40	0.11	85%	87%
City of Pewaukee	22	89	4	0.011	85%	87%
City of Pewaukee	17	848	24	0.065	85%	87%
Village of Pewaukee	6	109	26	0.07	0%	15%
Village of Pewaukee	9	182	33	0.089	0%	15%
Village of Pewaukee	8	154	36	0.098	0%	15%
Village of Pewaukee	10	843	25	0.069	85%	87%
Village of Pewaukee	11	624	20	0.053	85%	87%
Village of Pewaukee	16	1	0	0	85%	87%
Village of Pleasant Prairie	154	225	33	0.091	36%	45%
Village of Pleasant Prairie	158	1,252	207	0.567	36%	45%
Village of Pleasant Prairie	157	2,098	224	0.613	36%	45%
Village of Pleasant Prairie	156	842	124	0.339	36%	45%
Village of Pleasant Prairie	155	68	12	0.032	0%	15%
Town of Randall	111	56	2	0.005	85%	87%
Town of Randall	115	70	3	0.009	85%	87%
Town of Randall	119	158	9	0.024	85%	87%
Town of Randall	124	189	34	0.092	0%	15%
Town of Randall	126	210	31	0.084	26%	37%
Town of Randall	129	21	7	0.018	0%	15%
Town of Randall	130	23	7	0.018	0%	15%
Town of Randall	116	1	0	0	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
Village of Salem Lakes	118	337	7	0.02	85%	87%
Village of Salem Lakes	117	199	30	0.081	0%	15%
Village of Salem Lakes	119	79	4	0.012	85%	87%
Village of Salem Lakes	131	428	75	0.207	0%	15%
Village of Salem Lakes	132	383	70	0.192	0%	15%
Village of Salem Lakes	134	451	86	0.235	29%	39%
Village of Salem Lakes	135	114	10	0.026	75%	78%
Village of Salem Lakes	137	1	0	0	45%	54%
Village of Salem Lakes	142	224	47	0.129	29%	40%
Village of Salem Lakes	143	234	16	0.043	77%	80%
Village of Salem Lakes	133	7	2	0.006	0%	15%
Town of Somers	154	55	8	0.022	36%	45%
Village of Somers	152	20	3	0.007	36%	45%
Village of Somers	153	226	32	0.087	36%	45%
Village of Sussex	1	3	0	0	85%	87%
Village of Sussex	4	384	14	0.037	85%	87%
Village of Sussex	2	1,395	25	0.068	92%	93%
Village of Sussex	3	373	6	0.017	85%	87%
Village of Sussex	6	39	9	0.025	0%	15%
Village of Sussex	10	645	19	0.053	85%	87%
Village of Twin Lakes	111	51	2	0.004	85%	87%
Village of Twin Lakes	115	479	22	0.061	85%	87%
Village of Twin Lakes	119	31	2	0.005	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
Village of Twin Lakes	129	430	142	0.389	0%	15%
Village of Twin Lakes	130	438	130	0.355	0%	15%
Village of Vernon	28	129	4	0.012	85%	87%
Village of Vernon	29	585	21	0.058	85%	87%
Village of Vernon	31	245	7	0.02	85%	87%
Village of Vernon	45	1	0	0	85%	87%
Village of Vernon	46	488	20	0.055	85%	87%
Village of Vernon	58	1	0	0	0%	15%
Village of Wales	19	243	12	0.034	85%	87%
Village of Wales	25	259	8	0.021	85%	87%
Town of Waterford	46	23	1	0.003	85%	87%
Town of Waterford	47	465	111	0.303	0%	15%
Town of Waterford	48	609	21	0.058	85%	87%
Town of Waterford	49	35	2	0.004	85%	87%
Town of Waterford	58	25	4	0.011	0%	15%
Town of Waterford	63	3	0	0	85%	87%
City of Waukesha	8	985	230	0.629	0%	15%
City of Waukesha	11	695	22	0.06	85%	87%
City of Waukesha	13	204	6	0.017	85%	87%
City of Waukesha	14	222	7	0.02	85%	87%
City of Waukesha	15	713	26	0.07	85%	87%
City of Waukesha	18	3,510	93	0.254	85%	87%
City of Waukesha	20	1,277	54	0.149	85%	87%

TABLE D.4 (Continued)

Municipality	Reach	Area (acres)	Annual TP Allocation (lb/yr)	Daily TP Allocation (lb/day)	Reduction from baseline (%)	Reduction from no-controls (%)
City of Waukesha	22	1,040	45	0.123	85%	87%
City of Waukesha	21	243	12	0.032	85%	87%
City of Waukesha	28	1,203	42	0.114	85%	87%
City of Waukesha	30	1,030	30	0.082	85%	87%
City of Waukesha	17	1,048	29	0.08	85%	87%
Village of Waukesha	13	113	3	0.009	85%	87%
Village of Waukesha	15	114	4	0.011	85%	87%
Village of Waukesha	18	115	3	0.008	85%	87%
Village of Waukesha	20	23	1	0.003	85%	87%
Village of Waukesha	22	460	20	0.054	85%	87%
Village of Waukesha	21	74	4	0.01	85%	87%
Village of Waukesha	26	340	14	0.039	85%	87%
Village of Waukesha	27	1,043	41	0.111	85%	87%
Village of Waukesha	28	1,161	40	0.11	85%	87%
Village of Waukesha	30	686	20	0.054	85%	87%
Village of Waukesha	29	178	6	0.018	85%	87%

TABLE D.5
Total phosphorus (TP) reductions from baseline conditions

Note: All percent reduction values have been rounded to the nearest percent. All annual allocation loads have been rounded to the nearest pound.

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
1	Lannon Creek	Grass Lake (IL)	54%	31%	85%	294	169	463
2	Spring Creek	Grass Lake (IL)	92%	0%	92%	15208	0	15208
3	Perennial Stream C (Sc011)	Grass Lake (IL)	48%	37%	85%	313	244	557
4	Fox River--mile 75.8 to 85.6	Grass Lake (IL)	0%	85%	85%	0	1595	1595
5	Fox River--mile 69.5 to 75.8	Grass Lake (IL)	0%	85%	85%	0	769	769
6	Coco Creek	Pewaukee Lake	0%	0%	0%	0	0	0
7	Zion Creek	Pewaukee Lake	0%	0%	0%	0	0	0
8	Meadow Brook Creek	Pewaukee Lake	0%	0%	0%	0	0	0
9	Pewaukee Lake	Pewaukee Lake	0%	0%	0%	0	0	0
10	Local Water	Grass Lake (IL)	37%	48%	85%	252	337	589
11	Pewaukee River	Grass Lake (IL)	0%	85%	85%	0	511	511
12	Deer Creek	Grass Lake (IL)	16%	69%	85%	178	822	1000
13	Poplar Creek--mile 2.1 to 8.3	Grass Lake (IL)	69%	16%	85%	1820	439	2259
14	Poplar Creek--mouth to mile 2.1	Grass Lake (IL)	13%	72%	85%	43	261	304
15	Frame Park Creek	Grass Lake (IL)	23%	62%	85%	51	145	196
16	Fox River--mile 67.6 to 69.5	Grass Lake (IL)	0%	85%	85%	0	32551	32551
17	Fox River--mile 64.2 to 67.6	Grass Lake (IL)	0%	85%	85%	0	332	332
18	Fox River--mile 60.6 to 64.2	Grass Lake (IL)	0%	85%	85%	0	12575	12575
19	Brandy Brook	Grass Lake (IL)	0%	85%	85%	0	599	599
20	Perennial Stream C (Pb018)	Grass Lake (IL)	12%	73%	85%	44	286	330

TABLE D.5 (Continued)

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
21	Perennial Stream D (Pb016)	Grass Lake (IL)	0%	85%	85%	0	85	85
22	Pebble Creek	Grass Lake (IL)	0%	85%	85%	0	712	712
23	Spring Lake	Spring Lake	0%	0%	0%	0	0	0
24	Spring Brook	Grass Lake (IL)	0%	85%	85%	0	211	211
25	Genesee Creek--mile 1.8 to 4.4	Grass Lake (IL)	0%	85%	85%	0	476	476
26	Genesee Creek--mouth to mile 1.8	Grass Lake (IL)	0%	85%	85%	0	743	743
27	Mill Creek	Grass Lake (IL)	23%	62%	85%	229	621	850
28	Pebble Brook	Grass Lake (IL)	0%	85%	85%	0	642	642
29	Mill Brook	Grass Lake (IL)	25%	59%	85%	300	732	1032
30	Fox River--mile 53 to 60.6	Grass Lake (IL)	0%	85%	85%	0	1898	1898
31	Fox River--mile 47 to 53	Grass Lake (IL)	0%	85%	85%	0	871	871
32	Jericho Creek--mile 5.2 to 5.7	Lower Phantom Lake	0%	0%	0%	0	0	0
33	Jericho Creek--mile 2.3 to 5.2	Lower Phantom Lake	0%	0%	0%	0	0	0
34	Jericho Creek--mouth to mile 2.3	Lower Phantom Lake	0%	0%	0%	0	0	0
35	Mukwonago River--mile 15.9 to 17.2	Eagle Spring Lake	0%	0%	0%	0	0	0
36	Mukwonago River--mile 13.1 to 15.9	Eagle Spring Lake	0%	0%	0%	0	0	0
37	Eagle Spring Lake	Eagle Spring Lake	0%	0%	0%	0	0	0
38	Booth Lake	Booth Lake	0%	0%	0%	0	0	0
39	Beulah Lake	Beulah Lake	18%	0%	18%	31	0	31
40	Phantom Lake	Phantom Lake	10%	0%	10%	1	0	1

TABLE D.5 (Continued)

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
41	Mukwonago River--mile 4.1 to 11.0	Lower Phantom Lake	0%	0%	0%	0	0	0
42	Lower Phantom Lake	Lower Phantom Lake	0%	0%	0%	0	0	0
43	Mukwonago River--mouth to mile 2.35	Grass Lake (IL)	0%	85%	85%	0	216	216
44	Fox River--mile 46.6 to 47	Grass Lake (IL)	0%	85%	85%	0	3861	3861
45	Fox River--mile 41.6 to 46.6	Grass Lake (IL)	0%	85%	85%	0	3930	3930
46	Fox River--mile 34.8 to 41.6	Grass Lake (IL)	0%	85%	85%	0	7322	7322
47	Tichigan Lake	Tichigan Lake	0%	0%	0%	0	0	0
48	Fox River--mile 28.7 to 34.8	Grass Lake (IL)	0%	85%	85%	0	5012	5012
49	Fox River--mile 27 to 28.7	Grass Lake (IL)	0%	85%	85%	0	980	980
50	Little Muskego Lake	Little Muskego Lake	0%	0%	0%	0	0	0
51	Muskego Creek	Big Muskego Lake	0%	0%	0%	0	0	0
52	Bass Bay	Bass Bay	0%	0%	0%	0	0	0
53	Big Muskego Lake	Big Muskego Lake	0%	0%	0%	0	0	0
54	Unnamed Stream	Wind Lake	42%	0%	42%	442	0	442
55	Unnamed Stream	Grass Lake (IL)	39%	46%	85%	1534	1869	3403
56	Unnamed Stream	Grass Lake (IL)	20%	65%	85%	476	1647	2123
57	Lake Denoon	Lake Denoon	67%	0%	67%	355	0	355
58	Long Lake	Long Lake	0%	0%	0%	0	0	0
59	Waubeesee Lake	Waubeesee Lake	0%	0%	0%	0	0	0
60	Unnamed Stream	Grass Lake (IL)	77%	8%	85%	4179	418	4597

TABLE D.5 (Continued)

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
61	Wind Lake	Wind Lake	0%	0%	0%	0	0	0
62	Wind Lake Drainage Canal	Grass Lake (IL)	0%	85%	85%	0	1177	1177
63	Wind Lake Drainage Canal	Grass Lake (IL)	0%	85%	85%	0	1909	1909
64	Eagle Lake	Eagle Lake	93%	0%	93%	2467	0	2467
65	Eagle Creek (Eagle Lake Outlet)	Grass Lake (IL)	46%	39%	85%	1662	1412	3074
66	Fox River--mile 25.9 to 27	Grass Lake (IL)	0%	85%	85%	0	84	84
67	Fox River--mile 25 to 25.9	Grass Lake (IL)	0%	85%	85%	0	6705	6705
68	Fox River--mile 20.4 to 25	Grass Lake (IL)	0%	85%	85%	0	2074	2074
69	Pleasant Lake	Pleasant Lake	0%	0%	0%	0	0	0
70	Perennial Stream B (Tm2)	Grass Lake (IL)	0%	85%	85%	0	122	122
71	Lauderdale Lakes	Lauderdale Lakes	0%	0%	0%	0	0	0
72	Honey Creek--mile 26.7 to 28.9	Grass Lake (IL)	0%	85%	85%	0	147	147
73	Honey Creek--mile 22.2 to 26.7	Grass Lake (IL)	14%	71%	85%	373	2049	2422
74	Spring Creek to Honey Creek	Grass Lake (IL)	38%	47%	85%	619	786	1405
75	Honey Creek--mile 18.7 to 22.2	Grass Lake (IL)	18%	67%	85%	557	2250	2807
76	Honey Creek--mile 14.8 to 18.7	Grass Lake (IL)	0%	85%	85%	0	448	448
77	Potter Lake	Potter Lake	51%	0%	51%	179	0	179
78	Perennial Stream D (B4)	Grass Lake (IL)	50%	34%	85%	301	209	510
79	Perennial Stream E (B5)	Grass Lake (IL)	33%	52%	85%	141	230	371
80	Perennial Stream A (Spp1)	Grass Lake (IL)	59%	26%	85%	507	221	728

TABLE D.5 (Continued)

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
81	Honey Creek--mile 13 to 14.8	Grass Lake (IL)	0%	85%	85%	0	165	165
82	Honey Creek--mile 7.4 to 13	Grass Lake (IL)	12%	73%	85%	192	1315	1507
83	Honey Creek--mile 6 to 7.4	Grass Lake (IL)	62%	23%	85%	550	205	755
84	Honey Creek--mouth to mile 6.0	Grass Lake (IL)	0%	85%	85%	0	1070	1070
85	Baker Creek	Grass Lake (IL)	44%	41%	85%	656	623	1279
86	Sugar Creek	Grass Lake (IL)	0%	85%	85%	0	2045	2045
87	Wandawega Lake	Wandawega Lake	0%	0%	0%	0	0	0
88	Sugar Creek--mile 14.0 to 20.0	Grass Lake (IL)	0%	85%	85%	0	1635	1635
89	Spring Brook, North Branch	Grass Lake (IL)	41%	44%	85%	131	147	278
90	Spring Brook	Grass Lake (IL)	0%	85%	85%	0	393	393
91	Sugar Creek--mouth to mile 14.0	Grass Lake (IL)	0%	85%	85%	0	2184	2184
92	Como Lake	Como Lake	0%	0%	0%	0	0	0
93	Como Creek	Grass Lake (IL)	55%	30%	85%	2023	1107	3130
94	Button Creek	Geneva Lake	93%	0%	93%	428	0	428
95	Lake Geneva	Geneva Lake	0%	0%	0%	0	0	0
96	Bloomfield Creek	Grass Lake (IL)	44%	41%	85%	717	694	1411
97	White River--mile 15.5 to Geneva Lake	Grass Lake (IL)	0%	85%	85%	0	464	464
98	White River--mile 13.8 to 15.5	Grass Lake (IL)	0%	85%	85%	0	98	98
99	Ore Creek	Grass Lake (IL)	49%	36%	85%	2592	1974	4566
100	Pell Lake	Pell Lake	0%	0%	0%	0	0	0

TABLE D.5 (Continued)

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
101	Lake Ivanhoe Outlet (Spring Valley Creek)	Grass Lake (IL)	38%	47%	85%	1284	1622	2906
102	White River--mile 8.7 to 13.8	Grass Lake (IL)	0%	85%	85%	0	2033	2033
103	White River--mile 4.6 to 8.7	Grass Lake (IL)	18%	67%	85%	612	2431	3043
104	White River--mouth to mile 4.6	Grass Lake (IL)	40%	45%	85%	672	769	1441
105	Bohner Lakes	Bohner Lakes	0%	0%	0%	0	0	0
106	Fox River--mile 16.4 to 20.4	Grass Lake (IL)	0%	85%	85%	0	10451	10451
107	Browns Lake	Browns Lake	0%	0%	0%	0	0	0
108	Hoosier Creek Canal	Grass Lake (IL)	0%	85%	85%	0	2893	2893
109	Peterson Creek	Grass Lake (IL)	0%	85%	85%	0	84	84
110	Peterson Creek	Grass Lake (IL)	23%	62%	85%	533	1534	2067
111	Palmer Creek	Grass Lake (IL)	47%	38%	85%	608	499	1107
112	Fox River--mile 14.2 to 16.4	Grass Lake (IL)	0%	85%	85%	0	1291	1291
113	Fox River--mile 11.4 to 14.2	Grass Lake (IL)	0%	85%	85%	0	1961	1961
114	Fox River--mile 9.6 to 11.4	Grass Lake (IL)	0%	85%	85%	0	1390	1390
115	Bassett Creek--mile 3.6 to 6.2	Grass Lake (IL)	83%	2%	85%	4189	81	4270
116	Bassett Creek--mouth to mile 3.6	Grass Lake (IL)	31%	54%	85%	162	288	450
117	Silver Lake	Silver Lake	0%	0%	0%	0	0	0
118	Fox River--mile 4.2 to 9.6	Grass Lake (IL)	0%	85%	85%	0	2191	2191
119	Fox River--mouth to mile 4.2	Grass Lake (IL)	0%	85%	85%	0	6458	6458
120	North Lake	North Lake	0%	-	0%	0	-	0
121	Nippersink Creek, Headwaters	-	18%	-	18%	256	-	256

TABLE D.5 (Continued)

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
122	Nippersink Creek, West Branch	-	36%	-	36%	824	-	824
123	North Branch Nippersink Creek--mile 4.0 to 13.4	-	26%	-	26%	788	-	788
124	Powers Lake	Powers Lake	0%	0%	0%	0	0	0
125	Local Water	-	81%	-	81%	1267	-	1267
126	Nippersink Creek, East Branch	-	26%	-	26%	254	-	254
127	North Branch Nippersink Creek--mile 2.1 to 4.0	-	26%	-	26%	438	-	438
128	North Branch Nippersink Creek--mouth to mile 2.1	-	12%	-	12%	95	-	95
129	Marie Lake	Marie Lake	0%	0%	0%	0	0	0
130	Elizabeth Lake	Elizabeth Lake	0%	0%	0%	0	0	0
131	Center Lake	Center Lake	0%	0%	0%	0	0	0
132	Camp Lake	Camp Lake	0%	0%	0%	0	0	0
133	Unnamed Stream	-	0%	-	0%	0	-	0
134	Trevor Creek	-	29%	-	29%	241	-	241
135	Benet Lake	-	75%	-	75%	305	-	305
136	Local Water	-	61%	-	61%	574	-	574
137	Dutch Gap Canal (N Mill Creek)	-	45%	-	45%	1249	-	1249
138	Local Water	-	77%	0%	77%	242	0	242
139	Vern Wolf Lake	Vern Wolf Lake	0%	-	0%	0	-	0
140	Local Water	-	77%	-	77%	897	-	897
141	Paddock Lake	Paddock Lake	0%	0%	0%	0	0	0
142	Hooker Lake	Hooker Lake	29%	0%	29%	138	0	138

TABLE D.5 (Continued)

Reach	Name	Downstream Waterbody	Local Reduction (%)	Downstream Reduction (%)	Total reduction (%)	Local Reduction (lb/yr)	Downstream Reduction (lb/yr)	Total Reduction (lb/yr)
143	Salem Branch (Hooker Lake Outlet)	-	77%	-	77%	1174	-	1174
144	Brighton Creek	-	77%	-	77%	5100	-	5100
145	Tributary to the Des Plaines River	-	76%	-	76%	837	-	837
146	Local Water	-	82%	-	82%	492	-	492
147	Local Water	-	64%	-	64%	384	-	384
148	Center Creek	-	41%	-	41%	917	-	917
149	Des Plaines River--mile 15.2 to 23.2	-	76%	-	76%	5421	-	5421
150	Des Plaines River--mile 12.9 to 15.2	-	76%	-	76%	3382	-	3382
151	Des Plaines River--mile 6.8 to 12.9	-	68%	-	68%	1927	-	1927
152	Kilbourn Road Ditch--mile 9.7 to 12.0	-	36%	-	36%	344	-	344
153	Kilbourn Road Ditch--mile 3.7 to 9.7	-	36%	-	36%	815	-	815
154	Kilbourn Road Ditch--mouth to mile 3.7	-	36%	-	36%	292	-	292
155	Lake Andrea	Lake Andrea	0%	0%	0%	0	0	0
156	Lower Pleasant Prairie Dit.	-	36%	-	36%	129	-	129
157	Des Plaines River--mile 4.4 to 6.8	-	36%	-	36%	501	-	501
158	Des Plaines River--mouth to mile 4.4	-	36%	-	36%	1121	-	1121