

**Table 5. Distribution of Land Covers and Phosphorus Loads in the Lake Allegan/Kalamazoo River Watershed.
(Seasonal Load = April 1 - September 30, 1998)**

Subwatershed Designation	MDEQ Subwatershed Name	Forest/Open		Agriculture		Residential		Commercial/Indus.		Transportation		Water / Wetland		Seasonal Load (lbs P)	Annual Load (lbs P)	Seasonal % of Total P Load	Annual % of Total P Load	Sub-watershed Area (ac)	Sub-watershed % of Total Area
		(% Area)	(% P Load)	(% Area)	(% P Load)	(% Area)	(% P Load)	(% Area)	(% P Load)	(% Area)	(% P Load)	(% Area)	(% P Load)						
1	S. Branch of Kalamazoo River	36.6	10.1	56.7	52.4	1.2	6.0	0.1	0.8	2.2	23.5	3.3	7.2	661	1,031	0.7	0.7	9,192	0.9
2	S. Branch of Kalamazoo River	38.7	11.0	54.9	52.6	1.1	5.9	0.1	1.2	1.9	21.7	3.3	7.5	1,103	1,705	1.2	1.1	15,825	1.6
3	S. Branch of Kalamazoo River	37.6	10.1	54.6	49.1	1.2	5.9	0.2	1.2	2.4	25.0	4.0	8.7	1,054	1,628	1.1	1.0	14,105	1.4
4	S. Branch of Kalamazoo River	31.6	8.1	61.8	53.4	1.0	4.9	0.1	1.0	2.7	26.7	2.9	5.9	1,480	2,242	1.5	1.4	18,675	1.9
5	S. Branch of Kalamazoo River	38.1	10.0	52.6	46.2	1.0	4.9	0.1	1.0	2.6	26.2	5.6	11.7	879	1,304	0.9	0.8	11,091	1.1
6	Lampson Run Drain	22.9	5.5	71.2	57.7	0.9	3.9	0.1	0.8	3.0	28.3	1.9	3.7	1,205	1,768	1.3	1.1	13,871	1.4
7	S. Branch of Kalamazoo River	32.2	7.6	59.2	47.0	1.5	6.8	0.4	2.5	3.2	29.4	3.5	6.7	1,071	1,531	1.1	1.0	11,801	1.2
8	S. Branch of Kalamazoo River	43.8	10.5	43.4	35.1	4.1	18.6	0.8	5.8	2.0	18.5	5.9	11.4	322	448	0.3	0.3	3,534	0.4
9	North Kalamazoo River	45.1	12.0	44.0	39.5	1.5	7.4	0.2	1.9	2.4	24.6	6.8	14.5	1,592	2,439	1.7	1.6	21,298	2.1
10	Spring Arbor and Concord	36.7	9.1	54.7	45.4	1.6	7.2	0.2	1.5	3.0	29.3	3.8	7.6	1,114	1,652	1.2	1.1	13,399	1.3
11	N. Branch of Kalamazoo River	37.6	9.4	52.1	43.9	1.4	6.5	0.2	1.8	2.7	26.3	6.0	12.1	1,323	1,967	1.4	1.3	16,119	1.6
12	Kalamazoo River	31.7	6.1	55.8	36.0	2.9	10.4	1.3	7.3	4.6	34.3	3.8	5.9	2,681	3,782	2.8	2.4	23,757	2.4
13	Wildier Creek	34.7	8.9	58.5	50.8	1.0	4.9	0.1	0.9	2.8	28.4	2.9	6.1	818	1,150	0.9	0.7	9,664	1.0
14	Wildier Creek	35.8	9.1	54.1	46.3	1.5	7.3	0.2	1.5	2.3	23.3	6.0	12.4	816	1,153	0.9	0.7	9,488	1.0
15	S. Branch of Rice Creek	37.0	9.0	54.6	44.9	1.5	7.0	0.2	1.3	3.2	30.8	3.5	6.9	924	1,347	1.0	0.9	10,813	1.1
16	S. Branch of Rice Creek	44.0	10.9	45.8	38.4	1.6	7.5	0.2	1.2	3.2	31.6	5.2	10.4	1,260	1,764	1.3	1.1	14,403	1.5
17	N. Branch of Rice Creek	29.7	7.2	62.4	50.8	1.5	6.8	0.2	1.3	2.9	27.3	3.4	6.6	1,213	1,762	1.3	1.1	13,854	1.4
18	N. Branch of Rice Creek	45.1	12.6	44.7	43.0	1.0	5.4	0.1	0.5	2.2	23.9	7.0	15.7	726	1,016	0.6	0.6	9,285	0.9
19	Rice Creek	34.0	7.0	54.2	37.6	3.3	12.8	0.9	5.7	3.8	30.6	3.8	6.4	1,435	2,011	1.5	1.3	13,415	1.4
20	Kalamazoo River	27.2	6.5	63.3	50.7	1.6	7.3	0.1	1.0	2.7	24.9	5.0	9.6	917	1,283	1.0	0.8	9,887	1.0
21	Kalamazoo River	37.1	7.0	49.1	31.0	2.7	9.6	1.1	6.0	5.4	39.5	4.6	6.9	1,835	2,613	1.9	1.7	15,755	1.6
22	Kalamazoo River	28.4	6.9	64.2	52.4	1.2	5.3	0.1	0.9	3.0	28.2	3.2	6.3	1,222	1,773	1.3	1.1	13,747	1.4
23	Kalamazoo River	36.7	8.2	52.0	39.1	1.4	6.0	0.4	3.0	3.8	33.7	5.6	10.0	897	1,317	0.9	0.8	9,370	0.9
24	Harper Creek	46.2	11.3	40.7	33.3	2.8	12.7	0.3	2.2	2.7	26.1	7.4	14.4	1,448	2,267	1.5	1.4	17,004	1.7
25	Mingos Brook	37.2	6.4	44.9	25.9	6.4	20.6	2.3	11.9	4.2	28.3	5.0	6.9	2,112	3,405	2.2	2.2	17,692	1.8
26	Battle Creek	33.0	7.5	53.2	40.7	1.3	5.4	0.2	1.6	3.1	27.9	9.2	16.9	1,231	1,785	1.3	1.1	13,161	1.3
27	Hogle and Miller Drain	32.5	8.8	61.3	55.9	0.7	3.7	0.1	1.1	2.3	24.0	3.0	6.5	336	475	0.4	0.3	4,196	0.4
28	Battle Creek	31.5	7.3	59.1	46.4	1.8	7.7	0.1	0.9	3.3	29.9	4.2	7.8	925	1,352	1.0	0.9	10,199	1.0
29	Big Creek	31.5	7.9	61.7	52.2	1.1	5.1	0.1	0.5	2.9	28.7	5.2	5.6	998	1,412	1.0	0.9	11,528	1.2
30	Battle Creek	33.7	6.3	53.2	33.4	4.3	15.0	1.0	5.6	4.8	35.0	3.1	4.6	2,005	2,898	2.1	1.8	17,560	1.8
31	Indian Creek	38.2	8.8	51.8	40.1	0.9	4.0	0.1	0.5	4.2	37.7	4.8	8.9	2,017	2,848	2.1	1.8	21,163	2.1
32	Indian Creek	40.5	9.2	46.5	35.3	1.8	7.4	0.4	2.9	3.6	32.0	7.3	13.2	1,028	1,464	1.1	0.9	10,678	1.1
33	Battle Creek	35.0	8.2	56.5	44.3	1.4	6.1	0.1	0.9	3.8	34.5	3.3	6.1	572	826	0.6	0.5	6,211	0.6
34	Battle Creek	41.1	9.9	48.0	38.8	1.8	8.1	0.4	2.7	3.2	29.7	5.6	10.8	1,360	1,965	1.4	1.2	15,149	1.5
35	Battle Creek	47.8	13.0	37.0	33.9	1.1	5.6	0.2	1.3	1.8	19.7	12.1	26.4	951	1,369	1.0	0.9	11,946	1.2
36	Battle Creek	48.2	14.3	41.5	41.4	1.1	5.9	0.1	1.0	1.7	19.7	7.5	17.8	782	1,136	0.8	0.7	10,735	1.1
37	Wanadoga Creek	36.5	10.4	56.3	53.9	1.0	5.4	0.0	0.4	1.8	19.9	4.4	10.0	1,252	1,884	1.3	1.2	16,633	1.7
38	Wanadoga Creek	50.0	15.8	39.6	42.1	1.0	6.2	0.1	0.7	1.2	14.9	8.0	20.4	970	1,470	1.0	0.9	14,307	1.4
39	Wanadoga Creek	54.0	15.2	32.1	30.3	2.3	12.2	0.3	2.3	1.7	18.3	9.6	21.7	288	442	0.3	0.3	3,792	0.4
40	Battle Creek	54.6	12.1	29.8	22.2	4.0	16.8	1.9	12.8	2.8	23.9	6.8	12.2	784	1,188	0.8	0.8	8,166	0.8
41	Battle Creek	30.4	1.8	8.4	1.7	21.0	23.4	22.1	39.4	13.5	31.5	4.6	2.2	1,433	2,260	1.5	1.4	4,078	0.4
42	Kalamazoo River	48.5	6.7	24.7	11.4	9.2	23.8	5.7	23.5	5.0	27.1	6.9	7.6	1,224	1,874	1.3	1.2	8,006	0.8
43	Wabascon Creek	46.1	13.8	43.1	43.4	1.0	5.9	0.1	0.6	1.4	16.3	8.3	20.0	1,243	1,932	1.3	1.2	17,541	1.8
44	Wabascon Creek	58.2	16.2	28.4	26.5	2.9	15.3	0.4	3.0	1.9	21.0	8.1	18.1	937	1,488	1.0	0.9	12,489	1.3
45	Kalamazoo River	47.1	5.7	24.2	9.9	9.6	22.0	4.1	14.8	8.7	41.3	6.3	6.2	2,648	4,264	2.8	2.7	15,677	1.6
46	Sevenmile Creek	48.3	14.5	41.0	41.5	1.3	7.2	0.1	0.7	1.5	17.3	7.8	18.8	718	1,153	0.8	0.7	10,436	1.1
47	Augusta Creek	40.5	11.2	47.4	44.2	1.0	5.4	0.1	0.9	1.6	17.5	9.4	20.8	896	1,473	0.9	0.9	12,207	1.2
48	Augusta Creek	56.4	19.0	32.6	36.9	0.9	5.7	0.1	1.1	1.0	12.9	9.0	24.3	680	1,125	0.7	0.7	11,345	1.1
49	Augusta Creek	66.8	19.6	18.0	17.8	2.5	14.0	1.0	8.7	1.3	15.4	10.3	24.4	43	72	0.0	0.0	832	0.1
50	Gull Creek	38.3	9.2	41.3	33.2	1.5	6.6	0.3	2.5	1.7	16.4	16.7	32.1	1,895	3,217	2.0	2.0	22,856	2.3
51	Gull Creek	37.8	10.3	53.8	49.3	1.2	6.0	0.2	1.9	2.0	21.7	4.9	10.7	83	141	0.1	0.1	1,144	0.1
52	Kalamazoo River	63.3	17.1	20.6	18.8	1.7	8.5	0.6	5.0	2.4	25.9	11.4	24.7	1,457	2,409	1.5	1.5	19,577	2.0
53	Kalamazoo River	42.5	8.3	38.9	25.6	3.6	13.2	1.3	7.8	3.8	29.5	9.9	15.6	1,540	2,588	1.6	1.6	15,265	1.5
54	Comstock Creek	36.4	7.5	49.5	34.3	5.2	20.3	0.7	4.5	3.1	25.1	5.0	8.3	1,106	1,910	1.2	1.2	11,711	1.2
55	Kalamazoo River	39.4	4.9	34.7	14.4	8.1	18.8	2.9	10.8	9.5	45.9	5.3	4.2	442	760	0.5	0.5	2,808	0.3
56	Davis Creek	30.3	3.0	38.4	12.6	10.9	20.0	6.2	18.3	11.5	44.0	2.8	2.2	1,837	3,177	1.9	2.0	9,310	0.9
57	Portage Creek	52.7	8.4	26.0	13.9	11.0	32.9	2.5	12.1	4.6	28.5	3.3	4.2	1,125	2,059	1.2	1.3	9,552	1.0
58	Portage Creek	45.9	4.3	15.7	4.9	18.0	31.5	9.1	25.4	8.8	32.0	2.7	2.0	708	1,253	0.7	0.8	3,460	0.3
59	W. Fork of Portage Creek	53.1	10.1	25.8	16.5	4.1	14.8	1.6	8.9	4.5	33.2	10.9	16.6	906	1,698	0.9	1.1	9,281	0.9
60	W. Fork of Portage Creek	44.1	5.8	30.3	13.4	10.0	24.7	3.3	13.0	7.4	37.9	4.9	5.2	607	1,117	0.6	0.7	4,261	0.4
61	Portage Creek	47.0	4.2	10.6	3.2	20.5	34.3	12.0	32.3	6.8	23.9	3.0	2.2	847	1,512	0.9	1.0	3,974	0.4
62	Portage Creek	42.2	2.8	3.5	0.8	14.9	18.8	27.3	55.2	7.5	19.9	4.7	2.5	716	1,280	0.7	0.8	2,540	0.3
63	Kalamazoo River	34.2	2.3	11.3	2.6	20.7	26.5	14.2	29.0	13.7	36.4	5.9	3.2	1,079	1,881	1.1	1.2	3,818	0.4
64	Spring Brook	41.8	10.4	42.3	35.3	2.0	9.2	0.2	1.8	2.1	20.0	11.7	23.3	1,943	3,356	2.0	2.1	24,686	2.5
65	Kalamazoo River	47.3	5.4	21.9	8.4	13.4	28.9	6.1	21.0	7.2	32.4	4.1	3.8	4,244	7,718	4.4	4.9	25,882	2.6
66	Kalamazoo River	47.7	12.4	38.7	33.9	1.9	9.4	0.2	1.7	2.3	23.5	9.1	19.1	1,723	3,073	1.8	2.0	23,562	2.4
67	Kalamazoo River	41.8	6.6	40.5	21.6	5.6	16.7	1.9	9.3	6.6	41.2	3.5	4.5	1,305	2,414	1.4	1.5	11,224	1.1
68	Gun River	43.2	9.2	28.5	20.4	2.2	8.6	0.5	3.3	2.3	18.8	23.4	39.8	1,945	3,507	2.0	2		