

APPENDIX C

Density and Percent Frequency of Occurrence of Macrozoobenthos: A Summary by Taxon, Year, and Location

Density (No./m²) and percent frequency of occurrence (PCT) of macrozoobenthos taxa from five locations in the SCDRS in May and October 1983 and 1984. The upper St. Clair River location includes transects I - V; the lower St. Clair River, VI - X; Lake St. Clair, XI - XIII; upper Detroit River, XIV - XVII; and lower Detroit River, XVIII - XXI. The number of samples collected per year at each location is given as n, and a dot (.) indicates zero occurrence.

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Appendix C
Table 1. Density and percent frequency of occurrence of macrozoobenthos taxa from five locations in the SCDRS in May and October, 1983 and 1984.

Taxon or item	Year	Location									
		Upper St. Clair River n=90		Lower St. Clair River n=90		Lake St. Clair n=54		Upper Detroit River n=72		Lower Detroit River n=72	
		Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT
<u>Ichthyomyzon fessor</u>	1984	0.92	10.0	.	.	.	.	.	.	.	.
<u>Etheostoma nigrum</u>	1983	.	.	.	.	.	.	.	.	0.29	4.2
	1984	.	.	.	.	.	.	.	.	0.29	4.2
<u>Etheostoma caeruleum</u>	1983	0.23	3.3	.	.	.	.	.	.	.	.
<u>Cottus bairdii</u>	1983	0.46	6.7	0.23	3.3	.	.	.	.	.	.
Fish remains	1984	0.23	3.3	.	.	.	.	.	.	.	.
Fish eggs	1983	46.14	26.7	8.03	16.7	.	.	.	.	.	.
	1984	2.30	20.0	.	.	.	.	2.58	20.8	.	.
<u>Spongilla</u>	1983	0.23	3.3	.	.	2.30	16.7	.	.	.	.
	1984	0.23	3.3	1.38	13.3	.	.	3.16	16.7	.	.
<u>Cordylophora lacustris</u>	1984	.	.	.	.	.	.	0.29	4.2	.	.
<u>Hydra</u>	1983	3624.91	86.7	8429.05	93.3	55.86	33.3	2524.82	95.8	885.51	66.7
	1984	30490.49	86.7	21466.89	63.3	6.12	22.2	574.75	83.3	37.88	37.5
<u>Rhabdocoela</u>	1983	158.85	70.0	603.96	96.7	29.46	77.8	154.38	83.3	419.80	87.5
	1984	71.85	43.3	122.35	70.0	33.29	94.4	70.30	58.3	306.17	79.2
<u>Tricladida</u>	1983	17.68	16.7	127.40	66.7	1.91	22.2	56.53	33.3	161.55	45.8
	1984	28.24	50.0	56.24	43.3	4.97	50.0	45.05	70.8	170.73	62.5
<u>Nemertinea</u>	1983	69.56	66.7	80.57	80.0	1.91	16.7	276.61	91.7	641.89	95.8
	1984	233.69	53.3	28.69	36.7	0.77	5.6	237.02	83.3	808.04	91.7
Trematoda	1983	.	.	.	.	.	.	0.29	4.2	.	.
Nematoda	1983	532.80	86.7	1010.96	100.0	1293.93	100.0	1354.95	100.0	834.43	95.8
	1984	287.86	80.0	525.22	100.0	1164.61	100.0	1205.74	100.0	1241.90	100.0
Bryozoa	1984	0.23	3.3	0.23	3.3	.	.	1.15	8.3	0.29	4.2
Hirudinea	1983	0.46	6.7	.	.	.	.	.	.	.	.
<u>Erpobdellidae</u>	1983	1.38	13.3	1.15	6.7	.	.	8.03	20.8	0.29	4.2
	1984	2.98	23.3	0.69	3.3	.	.	5.16	25.0	.	.
<u>Erpobdella punctata</u>	1983	0.46	3.3	.	.	.	.	1.15	4.2	.	.
	1984	0.46	3.3	.	.	.	.	.	.	.	.
Glossiphoniidae	1983	.	.	.	.	.	.	0.86	12.5	.	.
<u>Glossiphonia complanata</u>	1983	.	.	0.92	10.0	.	.	.	.	.	.
	1984	.	.	0.23	3.3	0.38	5.6	.	.	.	.
<u>Glossiphonia heteroclitia</u>	1983	.	.	1.15	6.7	.	.	1.43	8.3	.	.
	1984	.	.	0.23	3.3	.	.	1.15	12.5	0.57	4.2
<u>Helobdella stagnalis</u>	1983	0.46	6.7	2.07	6.7	4.59	44.4	1.43	12.5	.	.
	1984	.	.	0.46	3.3	1.53	16.7	1.43	8.3	.	.
<u>Helobdella elongata</u>	1983	0.46	3.3	0.46	3.3	7.65	38.9	1.72	12.5	.	.
	1984	.	.	1.84	13.3	6.12	27.8	3.16	16.7	.	.
<u>Helobdella triseriatis</u>	1983	0.23	3.3	0.23	3.3	.	.	2.30	8.3	.	.
	1984	.	.	.	.	.	.	0.29	4.2	.	.

(CONTINUED)

Taxon or item	Year	Location									
		Upper St. Clair River n=90		Lower St. Clair River n=90		Lake St. Clair n=54		Upper Detroit River n=72		Lower Detroit River n=72	
		Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT
<u><i>Helobdella papillata</i></u>	1983	0.23	3.3	0.23	3.3	.	.	.	.	.	.
<u><i>Actinobdella inequianulata</i></u>	1984	0.23	3.3	.	.	.	.	0.29	4.2	.	.
<u><i>Placobdella montifera</i></u>	1983	.	.	.	.	0.77	11.1	.	.	.	.
	1984	.	.	.	.	0.38	5.6	.	.	.	.
<u><i>Placobdella papillifera</i></u>	1984	0.23	3.3	.	.	.	.	.	.	.	.
<u><i>Batracobdella phalera</i></u>	1983	.	.	0.23	3.3	.	.	.	.	0.29	4.2
	1984	.	.	0.23	3.3	.	.	.	.	0.29	4.2
<u><i>Piscicolidae</i></u>	1983	0.23	3.3	0.23	3.3	.	.	.	.	.	.
	1984	0.92	3.3	0.23	3.3	0.38	5.6	.	.	.	.
<u><i>Piscicola</i></u>	1983	0.92	10.0	0.23	3.3	.	.	0.29	4.2	.	.
	1984	0.69	6.7	0.92	10.0	.	.	.	.	.	.
<u><i>Piscicola milneri</i></u>	1983	.	.	0.46	6.7	.	.	.	.	.	.
	1984	0.46	3.3	0.46	3.3	.	.	.	.	.	.
<u><i>Oligochaeta</i></u>	1983	3291.83	90.0	5975.79	100.0	3627.36	100.0	3048.21	100.0	25742.36	100.0
	1984	3927.47	80.0	4064.05	100.0	3979.73	100.0	3090.68	100.0	18195.15	100.0
<u><i>Nais</i></u>	1983	276.16	56.7	114.09	66.7	5.36	22.2	7.46	29.2	70.59	41.7
	1984	837.42	43.3	181.35	43.3	.	.	16.93	25.0	426.40	58.3
<u><i>Stylaria</i></u>	1983	69.56	23.3	399.66	40.0	0.77	5.6	101.58	29.2	269.15	29.2
	1984	986.63	36.7	987.32	43.3	0.38	5.6	92.97	25.0	605.74	37.5
<u><i>Branchiura</i></u>	1983	.	.	.	.	.	.	2.58	12.5	.	.
	1984	.	.	.	.	.	.	1.15	4.2	.	.
<u><i>Branchiura sowerbyi</i></u>	1983	.	.	.	.	.	.	0.29	4.2	.	.
	1984	.	.	.	.	.	.	0.57	4.2	.	.
<u><i>Spirosperma</i></u>	1983	273.40	56.7	1189.10	86.7	55.09	77.8	347.20	95.8	951.51	100.0
	1984	416.41	53.3	494.46	90.0	45.15	66.7	309.90	100.0	1038.74	95.8
<u><i>Spirosperma ferox</i></u>	1983	.	.	44.07	3.3	.	.	.	.	.	.
<u><i>Manayunkia speciosa</i></u>	1983	8.49	46.7	1101.18	63.3	661.12	100.0	3635.87	95.8	2484.08	91.7
	1984	0.69	10.0	1117.25	50.0	957.63	100.0	1193.98	83.3	1106.46	70.8
<u><i>Eury cercus lameillatus</i></u>	1983	.	.	0.23	3.3	.	.	.	.	0.29	4.2
	1984	3.90	6.7	0.69	6.7	6.12	16.7	1.15	4.2	1.72	12.5
<u><i>Camptocercus</i></u>	1983	.	.	.	.	.	.	.	.	4.59	4.2
	1984	0.23	3.3	.	.	.	.	.	.	7.75	16.7
<u><i>Chydorus</i></u>	1983	0.23	3.3	.	.	0.38	5.6	.	.	.	.
<u><i>Alona</i></u>	1983	.	.	7.35	3.3	.	.	5.45	16.7	.	.
	1984	.	.	.	.	0.38	5.6	.	.	.	.
<u><i>Sida crystallina</i></u>	1983	1.38	10.0	2.75	16.7	0.38	5.6	0.86	8.3	1.15	8.3
	1984	0.23	3.3	.	.	.	.	26.11	16.7	21.81	20.8
<u><i>Diaphanosoma</i></u>	1983	0.23	3.3	.	.	.	.	0.29	4.2	.	.
<u><i>Holopedium</i></u>	1983	1.15	16.7	160.46	50.0	77.67	50.0	.	.	0.86	8.3
	1984	76.21	50.0	160.46	50.0	.	.	.	.	.	.

(CONTINUED)

Taxon or item	Year	Location									
		Upper St. Clair River n=90		Lower St. Clair River n=90		Lake St. Clair n=54		Upper Detroit River n=72		Lower Detroit River n=72	
		Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT
<u>Leptodora kindtii</u>	1983	0.23	3.3	:	:	:	:	:	:	:	:
	1984	0.23	3.3	:	:	:	:	:	:	:	:
<u>Daphnia</u>	1983	17.45	90.0	48.44	70.0	6.89	55.6	20.09	45.8	7.46	37.5
	1984	259.40	53.3	108.58	70.0	82.26	55.6	3.73	20.8	0.57	8.3
<u>Daphnia pulex</u>	1983	1.61	10.0	2.07	13.3	:	:	:	:	:	:
<u>Daphnia galeata mendotae</u>	1983	6.89	3.3	0.46	6.7	:	:	:	:	:	:
<u>Daphnia ambigua</u>	1983	:	:	0.46	6.7	:	:	:	:	:	:
<u>Daphnia pulicaria</u>	1983	:	:	0.92	10.0	:	:	:	:	:	:
<u>Bosmina</u>	1983	4.59	36.7	1.84	23.3	1.53	22.2	2.30	20.8	0.57	8.3
	1984	148.06	46.7	97.10	50.0	1.53	5.6	3.73	25.0	6.60	29.2
<u>Ilyocryptus</u>	1983	7.35	13.3	51.88	40.0	62.75	38.9	2.01	12.5	13.49	20.8
	1984	0.46	6.7	1.61	6.7	4.21	11.1	0.57	4.2	0.57	8.3
<u>Polypheus pediculus</u>	1984	:	:	:	:	0.38	5.6	:	:	:	:
<u>Limnocalanus</u>	1983	12.86	56.7	14.92	50.0	11.10	50.0	14.06	41.7	21.52	50.0
	1984	10.79	40.0	41.09	50.0	19.51	44.4	12.34	41.7	25.54	45.8
<u>Epischura lacustris</u>	1983	27.09	43.3	0.92	13.3	2.68	22.2	0.29	4.2	2.58	8.3
	1984	28.69	26.7	11.02	36.7	0.77	11.1	0.29	4.2	:	:
<u>Eurytemora</u>	1983	:	:	0.23	3.3	:	:	:	:	4.59	4.2
	1984	:	:	0.23	3.3	:	:	:	:	0.57	4.2
<u>Diaptomus</u>	1983	86.31	86.7	107.20	66.7	12.63	66.7	35.58	66.7	57.10	70.8
	1984	208.44	96.7	119.37	90.0	21.04	44.4	92.68	62.5	63.13	54.2
<u>Cyclopoididae</u>	1983	3.21	30.0	2.98	16.7	4.21	27.8	1.72	4.2	2.30	16.7
<u>Cyclops bicuspidatus</u>	1983	8.26	36.7	22.50	30.0	3.06	22.2	28.41	45.8	22.96	41.7
	1984	37.42	66.7	9.41	46.7	6.89	22.2	21.23	33.3	24.10	50.0
<u>Cyclops vernalis</u>	1983	0.23	3.3	:	:	0.38	5.6	0.57	4.2	3.16	12.5
	1984	:	:	:	:	1.53	16.7	0.86	4.2	:	:
<u>Mesocyclops</u>	1983	0.23	3.3	0.23	3.3	2.30	22.2	0.86	12.5	:	:
	1984	2.53	13.3	0.46	6.7	0.38	5.6	9.47	8.3	:	:
<u>Macrocylops</u>	1983	0.92	10.0	2.98	20.0	21.81	66.7	5.45	16.7	13.20	12.5
	1984	:	:	4.13	6.7	27.16	44.4	0.86	12.5	34.43	8.3
<u>Eucyclops</u>	1984	:	:	:	:	:	:	1.15	4.2	0.86	4.2
<u>Paracyclops</u>	1983	2.53	10.0	3.44	23.3	:	:	1.15	8.3	0.29	4.2
	1984	:	:	6.20	6.7	:	:	4.59	4.2	:	:
<u>Harpacticoida</u>	1983	155.87	43.3	344.56	86.7	255.19	100.0	371.31	58.3	13.77	29.2
	1984	35.35	36.7	21.58	50.0	46.29	88.9	236.44	41.7	27.55	45.8
<u>Unidentified nauplii</u>	1983	0.23	3.3	0.23	3.3	:	:	0.29	4.2	:	:
	1984	:	:	0.23	3.3	:	:	0.29	4.2	:	:
<u>Astacidae</u>	1983	0.23	3.3	0.23	3.3	:	:	:	:	0.57	4.2
	1984	:	:	0.23	3.3	:	:	0.23	3.3	0.57	4.2
<u>Orconectes</u>	1983	0.23	3.3	:	:	:	:	:	:	:	:
	1984	0.23	3.3	:	:	:	:	0.23	3.3	:	:

(CONTINUED)

Taxon or item	Year	Location													
		Upper St. Clair River n=90				Lower St. Clair River n=90				Lake St. Clair n=54		Upper Detroit River n=72		Lower Detroit River n=72	
		Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT
Ostracoda	1983	59.00	50.0	92.51	63.3	84.55	100.0	272.31	66.7	6.60	20.8				
	1984	60.60	40.0	67.26	43.3	148.06	100.0	1185.94	70.8	2.01	25.0				
Gammaridae	1983	.	.	.	.	.	.	.	.	0.29	4.2				
<u>Gammarus</u>	1983	374.18	76.7	1186.80	100.0	634.34	100.0	217.79	58.3	44.19	66.7				
	1984	697.85	70.0	971.02	93.3	131.23	100.0	99.00	70.8	88.38	75.0				
<u>Pontoporeia hoyi</u>	1983	20.66	33.3	11.71	40.0	.	.	0.29	4.2	0.29	4.2				
	1984	4.59	6.7	0.23	3.3	.	.	.	.	.	.
<u>Hyalella azteca</u>	1983	31.91	73.3	320.00	76.7	1.53	16.7	83.21	33.3	30.42	37.5				
	1984	46.14	43.3	91.82	63.3	.	.	151.79	41.7	23.82	25.0				
<u>Asellus</u>	1983	1.15	13.3	130.85	56.7	0.38	5.6	6.60	16.7	0.86	4.2				
	1984	0.69	10.0	26.63	30.0	.	.	16.93	20.8	5.45	8.3				
<u>Lirceus</u>	1983	0.46	3.3	6.89	23.3	.	.	6.03	8.3	.	.				
	1984	.	.	12.17	10.0	.	.	0.29	4.2	.	.				
Terrestrial insect	1983	6.20	36.7	3.67	36.7	1.53	16.7	2.30	20.8	2.58	29.2				
	1984	11.71	56.7	12.17	46.7	1.91	22.2	3.73	41.7	1.43	16.7				
Chironomidae	1983	1814.41	100.0	5520.12	100.0	791.97	100.0	1466.57	95.8	184.22	91.7				
	1984	1560.06	100.0	2085.51	100.0	667.62	100.0	1624.11	100.0	256.82	100.0				
Ceratopogonidae	1983	1.84	13.3	44.07	73.3	0.38	5.6	37.59	45.8	42.75	29.2				
	1984	2.53	16.7	56.70	63.3	1.53	22.2	45.34	50.0	13.77	20.8				
Empididae	1983	21.35	53.3	6.66	30.0	.	.	0.29	4.2	1.43	12.5				
	1984	18.59	56.7	4.13	33.3	.	.	0.57	8.3	1.43	20.8				
Tipulidae	1983	.	.	0.23	3.3	.	.	.	.	0.29	4.2				
<u>Chaoborus</u>	1983	.	.	.	.	.	.	0.29	4.2	0.57	8.3				
	1984	.	.	.	.	.	.	.	.	.	.
Psychodidae	1983	0.23	3.3	0.23	3.3	.	.	.	.	1.15	12.5				
	1984	5.74	10.0	.	.	.	.	.	.	3.44	8.3				
<u>Trichorythodes</u>	1983	.	.	0.23	3.3	.	.	0.29	4.2	0.29	4.2				
	1984	.	.	.	.	.	.	.	.	1.15	12.5				
Ephemeroptera	1983	0.46	3.3	.	.	.	.	0.29	4.2	.	.				
<u>Caenis</u>	1983	25.48	26.7	375.09	90.0	0.38	5.6	35.87	41.7	12.05	20.8				
	1984	128.09	53.3	322.30	83.3	1.53	22.2	22.38	33.3	16.07	20.8				
<u>Brachycercus</u>	1984	.	.	.	.	.	.	0.57	8.3	.	.				
<u>Hexagenia</u>	1983	48.21	36.7	340.66	90.0	1288.57	100.0	66.28	58.3	6.03	41.7				
	1984	309.90	53.3	999.48	76.7	1131.71	100.0	72.02	58.3	5.74	33.3				
<u>Ephemerella</u>	1983	46.14	30.0	21.12	33.3	0.38	5.6	1.43	8.3	.	.				
	1984	4.36	20.0	0.92	13.3	.	.	0.29	4.2	.	.				
<u>Baetis</u>	1983	0.69	10.0	.	.	.	.	0.86	4.2	.	.				
<u>Baetisca</u>	1983	0.92	13.3	0.69	10.0	0.38	5.6	32.42	54.2	5.45	33.3				
	1984	6.66	13.3	11.02	20.0	.	.	32.42	54.2	6.31	29.2				
<u>Stenonema</u>	1983	14.92	43.3	4.36	16.7	0.38	5.6	1.15	8.3	1.15	12.5				
	1984	20.89	36.7	9.18	23.3				
<u>Brychius</u>	1983	.	.	0.46	6.7				

(CONTINUED)

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		Upper St. Clair River n=90		Lower St. Clair River n=90		Lake St. Clair n=54		Upper Detroit River n=72		Lower Detroit River n=72	
		Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT
<u>Dubiraphia</u>	1983	2.30	16.1	2.5	20.0	:	:	:	:	:	:
	1984	14.00	23.3	0.23	3.3	:	:	:	:	:	:
<u>Lepidoptera</u>	1983	4.36	10.0	3.44	23.3	:	:	2.01	12.5	2.58	20.8
	1984	1.38	10.0	0.92	13.3	:	:	2.01	8.3	2.58	16.7
<u>Pyralidae</u>	1983	:	:	0.46	6.7	:	:	0.29	4.2	:	:
	1984	:	:	:	:	:	:	0.29	4.2	:	:
<u>Brachycentrus</u>	1983	7.12	30.0	30.07	33.3	:	:	0.29	4.2	:	:
	1984	7.58	20.0	16.76	33.3	:	:	0.29	4.2	:	:
<u>Micrasema</u>	1984	0.23	3.3	1.38	10.0	:	:	:	:	:	:
<u>Protoptila</u>	1983	8.03	16.7	:	:	:	:	1.15	8.3	:	:
	1984	26.40	13.3	:	:	:	:	1.15	8.3	:	:
<u>Polycentropodidae</u>	1983	0.23	3.3	0.69	3.3	:	:	:	:	:	:
<u>Phylocentropus</u>	1983	0.23	3.3	:	:	:	:	2.87	16.7	:	:
	1984	0.23	3.3	:	:	:	:	13.20	20.8	:	:
<u>Polycentropus</u>	1983	0.23	3.3	21.81	30.0	:	:	0.57	4.2	5.45	20.8
	1984	0.46	6.7	7.12	33.3	:	:	0.57	4.2	6.60	20.8
<u>Neureclipsis</u>	1983	9.41	20.0	25.94	33.3	:	:	1.15	8.3	15.21	20.8
	1984	19.05	23.3	15.84	26.7	:	:	1.15	8.3	47.63	41.1
<u>Trichoptera</u>	1984	0.23	3.3	:	:	:	:	0.29	4.2	:	:
<u>Leptoceridae</u>	1983	0.46	6.7	:	:	:	:	:	:	:	:
<u>Oecetis</u>	1983	22.73	40.0	43.16	60.0	46.68	83.3	13.49	25.0	5.74	20.8
	1984	2.30	20.0	35.81	63.3	35.58	94.4	15.49	41.7	:	:
<u>Triaenodes</u>	1983	2.30	6.7	2.98	33.3	:	:	0.57	8.3	0.29	4.2
	1984	1.84	10.0	2.30	23.3	:	:	0.57	8.3	0.29	4.2
<u>Mystacides</u>	1983	3.67	26.7	13.31	40.0	0.38	5.6	0.29	4.2	:	:
	1984	5.51	23.3	4.36	16.7	:	:	0.29	4.2	:	:
<u>Setodes</u>	1983	0.46	6.7	3.44	20.0	:	:	0.57	4.2	:	:
	1984	0.46	6.7	4.59	26.7	:	:	0.29	4.2	:	:
<u>Ceraclea</u>	1983	4.59	36.7	10.33	43.3	:	:	2.01	20.8	0.86	8.3
	1984	4.59	30.0	15.38	40.0	:	:	4.02	29.2	0.86	4.2
<u>Nectopsyche</u>	1983	0.46	6.7	3.21	23.3	:	:	0.29	4.2	0.57	4.2
	1984	0.46	3.3	0.69	6.7	:	:	0.57	8.3	0.57	4.2
<u>Hydroptilidae</u>	1983	0.23	3.3	:	:	:	:	:	:	:	:
	1984	0.23	3.3	:	:	:	:	:	:	:	:
<u>Hydroptila</u>	1983	:	:	0.92	10.0	:	:	0.29	4.2	7.46	20.8
	1984	:	:	0.92	6.7	:	:	0.29	4.2	7.17	33.3
<u>Orthotrichia</u>	1983	:	:	0.23	3.3	:	:	0.29	4.2	2.01	16.7
	1984	:	:	0.23	3.3	:	:	0.29	4.2	2.01	16.7
<u>Phryganea</u>	1984	0.23	3.3	:	:	:	:	:	:	:	:
<u>Pycnopsyche</u>	1983	:	:	0.46	6.7	:	:	:	:	:	:
<u>Hydropsychidae</u>	1983	7.12	6.7	:	:	:	:	:	:	:	:

(CONTINUED)

Taxon or item	Year	Location									
		Upper St. Clair River n=90		Lower St. Clair River n=90		Lake St. Clair n=54		Upper Detroit River n=72		Lower Detroit River n=72	
		Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT
<u>Cheumatopsyche</u>	1983	94.81	60.0	22.50	26.7	5.36	11.1	471.45	66.7	28.12	37.5
	1984	130.39	63.3	20.66	36.7	.	.	927.69	83.3	41.61	50.0
<u>Hydropsyche</u>	1983	75.98	70.0	11.48	40.0	.	.	108.46	45.8	20.09	41.7
	1984	140.26	66.7	32.37	26.7	.	.	307.32	66.7	46.20	54.2
<u>Macrostemum</u>	1984	.	.	.	.	.	.	.	.	0.29	4.2
<u>Potamyia</u>	1984	.	.	.	.	.	.	.	.	0.29	4.2
<u>Corixidae</u>	1983	0.46	6.7	.	.	.	.	.	.	.	.
<u>Coenagrionidae</u>	1983	.	.	0.92	13.3	.	.	.	.	4.02	20.8
	1984	.	.	0.46	3.3	.	.	.	.	4.02	20.8
<u>Gomphus</u>	1983	0.92	10.0	.	.	.	.	.	.	0.29	4.2
	1984	1.38	13.3	0.46	6.7	.	.	.	.	.	.
<u>Stylurus notatus</u>	1983	0.23	3.3	.	.	.	.	.	.	.	.
<u>Plecoptera</u>	1983	1.15	10.0	.	.	.	.	.	.	.	.
	1984	1.15	13.3	.	.	.	.	.	.	.	.
<u>Perlodidae</u>	1983	0.23	3.3	0.23	3.3	.	.	.	.	.	.
<u>Isogenoides</u>	1983	0.23	3.3	.	.	.	.	.	.	.	.
	1984	1.15	10.0	.	.	.	.	.	.	.	.
<u>Acarina</u>	1983	70.93	73.3	19.51	80.0	17.60	100.0	28.98	83.3	43.33	66.7
	1984	64.51	73.3	26.63	73.3	5.74	66.7	24.10	66.7	96.99	70.8
<u>Tardigrada</u>	1983	1.38	6.7	0.46	6.7	.	.	0.29	4.2	4.88	4.2
	1984	.	.	.	.	.	.	.	.	6.89	8.3
<u>Gastropoda</u>	1983	0.23	3.3	.	.	.	.	0.29	4.2	.	.
<u>Ferrisia</u>	1983	3.90	20.0	.	.	.	.	3.44	12.5	66.28	54.2
	1984	55.55	16.7	.	.	.	.	2.30	12.5	298.14	62.5
<u>Lymnaea</u>	1983	8.26	30.0	.	.	.	.	2.01	4.2	.	.
	1984	3.67	23.3	0.23	3.3	.	.	.	.	.	.
<u>Physa</u>	1983	75.06	53.3	129.93	80.0	0.38	5.6	24.39	33.3	24.10	45.8
	1984	119.37	53.3	89.30	80.0	.	.	25.25	41.7	56.53	62.5
<u>Helisoma</u>	1983	.	.	.	.	.	.	0.29	4.2	.	.
<u>Gyraulus</u>	1983	67.95	40.0	166.89	73.3	26.40	50.0	36.73	33.3	5.74	29.2
	1984	14.23	26.7	80.57	66.7	29.46	50.0	66.57	37.5	49.35	33.3
<u>Amnicola</u>	1983	566.77	66.7	771.77	90.0	38.26	77.8	186.80	87.5	88.38	79.2
	1984	363.85	60.0	323.44	90.0	27.55	61.1	218.94	91.7	96.99	75.0
<u>Bithynia</u>	1983	.	.	.	.	0.77	11.1	0.57	8.3	0.29	4.2
	1984	.	.	.	.	.	.	0.86	8.3	.	.
<u>Somatogyrus subglobosus</u>	1983	.	.	0.23	3.3	0.38	5.6	.	.	.	.
	1984	.	.	.	.	.	.	.	.	.	.
<u>Pleurocera acuta</u>	1983	2.30	6.7	0.23	3.3	4.59	22.2	7.75	41.7	.	.
	1984	1.84	6.7	.	.	0.38	5.6	11.76	41.7	0.86	8.3
<u>Elminia livescens</u>	1983	197.42	60.0	145.31	90.0	5.36	33.3	150.07	79.2	79.77	62.5
	1984	236.67	53.3	104.45	63.3	9.56	61.1	191.10	79.2	51.08	79.2

(CONTINUED)

Taxon or item	Year	Location									
		Upper St. Clair River n=90		Lower St. Clair River n=90		Lake St. Clair n=54		Upper Detroit River n=72		Lower Detroit River n=72	
		Density	PCT	Density	PCT	Density	PCT	Density	PCT	Density	PCT
<u>Valvata sincera</u>	1983	0.92	10.0	1.38	6.7					1.15	8.3
	1984	1.61	13.3	0.23	3.3	3.83	5.6	0.29	4.2	0.29	4.2
<u>Valvata tricarinata</u>	1983	138.88	16.7	20.89	50.0	11.10	38.9	33.86	12.5	0.57	8.3
	1984	147.37	33.3	3.21	20.0	6.89	44.4	.	.	0.29	4.2
<u>Campeloma</u>	1983							0.29	4.2	0.86	8.3
	1984	0.23	3.3	:	:	0.38	5.6	.	.	.	.
<u>Unionidae</u>	1983			0.69	10.0	1.15	16.7	5.45	37.5	.	.
	1984	0.46	6.7	1.15	13.3	0.77	11.1	7.17	50.0	.	.
<u>Anodonta grandis</u>	1984	.	.	0.38	5.6	.	.	.	.	.	.
<u>Lampsilis</u>	1984	.	.	0.23	3.3	0.38	5.6	1.15	12.5	.	.
<u>Lampsilis radiata</u>	1983	.	.	.	.	0.77	11.1	0.29	4.2	0.29	4.2
<u>Lampsilis siliquoidea</u>	1984	.	.	.	.	0.38	5.6	0.57	8.3	.	.
<u>Lampsilis ventricosa</u>	1983	.	.	:	:	.	.	0.29	4.2	.	.
	1984	.	.	:	:	.	.	0.29	4.2	.	.
<u>Leptodea fragilis</u>	1983	.	.	.	.	0.38	5.6	0.29	4.2	.	.
<u>Truncilla</u>	1984	.	.	.	.	.	.	0.29	4.2	.	.
<u>Truncilla donaciformis</u>	1983	.	.	.	.	.	.	0.29	4.2	.	.
<u>Truncilla truncata</u>	1983	.	.	.	.	.	.	0.29	4.2	.	.
	1984	.	.	.	.	.	.	0.86	4.2	.	.
<u>Proptera alata</u>	1983	.	.	.	.	0.38	5.6	0.29	4.2	.	.
	1984	.	.	.	.	.	.	.	.	.	.
<u>Elliptio</u>	1983	.	.	.	.	.	.	0.86	12.5	.	.
<u>Elliptio dilitatus</u>	1984	.	.	.	.	.	.	0.29	4.2	.	.
<u>Pleurobema cordatum</u>	1983	.	.	.	.	.	.	0.57	8.3	.	.
<u>Ptychobranchus fasciolaria</u>	1984	.	.	.	.	.	.	0.29	4.2	.	.
<u>Pisidium</u>	1983	167.58	70.0	372.80	90.0	613.30	100.0	352.94	95.8	318.80	87.5
	1984	269.04	70.0	226.34	90.0	729.60	100.0	382.78	100.0	248.21	62.5
<u>Sphaerium</u>	1983	11.02	36.7	40.86	53.3	34.82	94.4	51.36	70.8	1.15	8.3
	1984	1.15	10.0	19.74	40.0	24.49	83.3	73.46	79.2	0.29	4.2