APPENDIX C

HEAVY METAL CONCENTRATIONS IN LOWER DETROIT RIVER SEDIMENTS: ANALYSES CONDUCTED BY THE LARGE LAKES RESEARCH STATION

STATION: TC0064 RETRIEVAL DATE: 18-NOV-87
IPP STA 25- PT HENNEPIN MACROPHYTE BED LATITUDE: 4212130 LONGITUDE: 8308540 DEPTH: 0.0

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE016001SN1	860501		1.817	19.46		31.77T	58.20	32.58	196.	0.2917T
MSE016001SN2	860501		1.549	NC	NC	NC	NC	NC	NC	NC

STATION: DR0019 RETRIEVAL DATE: 18-NOV-87
IPP STA 25A- PT HENNEPIN EAST LATITUDE: 421[illegible]020 LONGITUDE: 8308440 DEPTH: 0.0

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE016002SN1	860501		0.653	10.96		21.74T	29.95	18.67J	370.	0.0887T
MSE016002SN2	860501		1.007	NC	NC	NC	NC	NC	NC	NC

STATION: TC0065 RETRIEVAL DATE: 18-NOV-87
IPP STA 30 UP- MONGUAGON CREEK UPSTREAM LATITUDE: 421[illegible]0480 LONGITUDE: 8309790 DEPTH: 1.8

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE016003SN1	860501		96.110	89.32		131.40	155.20	67.08	790.	1.4820
MSE016003SN2	860501		NC	NC	NC	NC	NC	NC	751.	NC

STATION: TC0066 RETRIEVAL DATE: 18-NOV-87
IPP STA 30CR- IN MONGUAGON CREEK LATITUDE: 4210[illegible]10 LONGITUDE: 8309880 DEPTH: 0.0

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE016004SN1	860501		14.050	58.94		129.40	280.50J	119.80	892.	1.5990

STATION: TC0067 RETRIEVAL DATE: 18-NOV-87
IPP STA 77- PT HENNEPIN WEST

LATITUDE: 4210850 LONGITUDE: 8309120 DEPTH: 0.0

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE016005SN1	860501		2.446	35.25		52.30	68.02	56.60	256.	0.4752J
MSE016005SN2	860501		2.401	34.65		NC	NC	NC	NC	NC
MSE016005SN3	860501		2.436	NC	NC	NC	NC	NC	NC	NC

STATION: TC0068 RETRIEVAL DATE: 18-NOV-87
IPP STA 30- MONGUAGON CREEK DOWNSTREAM

LATITUDE: 4210280 LONGITUDE: 8309920 DEPTH: 0.6

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE016006SN1	860501		37.080	58.94		103.90	135.00	70.51	552.	1.8880
MSE016006SN2	860501		NC	NC	NC	115.40	161.30	76.81	555.	NC

STATION: TC0069 RETRIEVAL DATE: 18-NOV-87
IPP STA 53- GIBRALTAR BAY

LATITUDE: 4204730 LONGITUDE: 8311460 DEPTH: 1.5

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE136001SN1	860513		7.208	46.80		65.83	83.90	55.34	461.	1.2400
MSE136001SN2	860513		NC	NC	NC	65.83	NC	NC	NC	NC

STATION: TC0070 RETRIEVAL DATE: 18-NOV-87
IPP STA 54- GIBRALTAR DOWNSTREAM 1

LATITUDE: 4204450 LONGITUDE: 8311250 DEPTH: 3.4

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE136002SN1	860513		8.105	37.08		66.83	88.90	51.07	709.	1.6860
MSE136002SN2	860513		NC	NC	NC	67.83	NC	NC	NC	NC

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE136003SN1	860513		4.879	27.96		40.78	47.14	37.63	315.	1.0550
MSE136003SN2	860513		NC	NC	NC	40.78	NC	NC	NC	NC

STATION: TC0072 RETRIEVAL DATE: 18-NOV-87
IPP STA 104- UPSTREAM OF 'BLACK LAGOON' LATITUDE: 4209150 LONGITUDE: 8310250 DEPTH: 4.3

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE296001SN1	860529		2.555	31.61		65.83	155.20	56.60	702.	1.1590
MSE296001SN2	860529		2.042	NC	NC	NC	NC	NC	NC	NC

STATION: TC0073 RETRIEVAL DATE: 18-NOV-87
IPP STA 105- OFFSHORE FROM RIVERSIDE HOSPITAL LATITUDE: 4208890 LONGITUDE: 8310390 DEPTH: 1.2

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE296002SN1	860529		5.642	54.08		71.84	152.80	70.51	1598.	1.8260

STATION: TC0074 RETRIEVAL DATE: 18-NOV-87
IPP STA 107- OFF SHORE FROM WEST ROAD LATITUDE: 4208450 LONGITUDE: 8310500 DEPTH: 3.4

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE296003SN1	860529		13.370	102.10		168.50J	616.40	150.20	2003.	4.9040J

STATION: TC0075 RETRIEVAL DATE: 18-NOV-87
IPP STA 34- 'BLACK LAGOON'

LATITUDE: 4209110 LONGITUDE: 8310310 DEPTH: 1.2

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE296004SN1	860529		12.720	86.89		117.90	255.90J	109.70	2623.	1.0190

STATION: TC0076 RETRIEVAL DATE: 18-NOV-87
IPP STA 30AC- ACROSS FROM STATION 30

LATITUDE: 4210250 LONGITUDE: 8309640 DEPTH: 1.2

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE296005SN1	860529		1.891	23.71		46.29	59.[illegible]2	40.16	178.	0.3109
MSE296005SN2	860529		1.993	NC	NC	NC	NC	NC	NC	NC
MSE296005SN3	860529		1.993	NC	NC	NC	NC	NC	NC	NC

STATION: TC0077 RETRIEVAL DATE: 18-NOV-87
IPP STA 41- ACROSS FROM ELIZABETH PARK

LATITUDE: 4208090 LONGITUDE: 8310250 DEPTH: 1.8

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSE296006SN1	860529		4.090	52.78		101.20	135.00	57.81	348.	0.6578J

STATION: TC0078 RETRIEVAL DATE: 18-NOV-87
IPP STA 42- MONSANTO LAGOON

LATITUDE: 4206980 LONGITUDE: 8310900 DEPTH: 1.5

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSF106001SN1	860610		15.670	106.70		162.40J	211.30	116.00	1107.	1.6500J
MSF106001SN2	860610		NC	NC	NC	NC	NC	NC	NC	

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSF106002SN1	860610		6.103	41.26		80.25	142.60	68.49	595.	1.6250

STATION: TC0080 RETRIEVAL DATE: 18-NOV-87
IPP STA 45- DOWNSTREAM OF MONSANTO

LATITUDE: 4206340 LONGITUDE: 8311120 DEPTH: 0.9

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSF106003SN1	860610		5.222	27.92		45.88	64.13	53.07	460.	0.6227

STATION: TC0081 RETRIEVAL DATE: 18-NOV-87
IPP STA 47- SWAN ISLAND

LATITUDE: 4206130 LONGITUDE: 8310520 DEPTH: 1.8

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSF246001SN1	860624		1.698	18.22		26.98T	45.55	28.15	132.	0.1794J
MSF246001SN2	860624		1.451	NC	NC	NC	56.75	NC	NC	NC

STATION: TC0082 RETRIEVAL DATE: 18-NOV-87
IPP STA 49- NOS GAUGE HOUSE

LATITUDE: 4205470 LONGITUDE: 8311160 DEPTH: 0.9

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSF246002SN1	860623		5.348	27.92		44.90	61.19	35.27	414.	0.3808
MSF246002SN2	860623		NC	NC	NC	44.90	NC	35.27	413.	NC

STATION: TC0083 RETRIEVAL DATE: 18-NOV-87
IPP STA 51- FORD YACHT CLUB

LATITUDE: 4205510 LONGITUDE: 8310350 DEPTH: 0.9

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSF246003SN1	860624		0.943	7.31		15.80W	18.15J	13.91	52.	0.0424T
MSF246003SN2	860624		0.691	7.92		NC	NC	NC	NC	NC
MSF246003SN3	860624		0.860	NC	NC	NC	NC	NC	NC	NC

STATION: TC0084 RETRIEVAL DATE: 18-NOV-87
IPP STA 52- HICKORY ISLAND

LATITUDE: 4205170 LONGITUDE: 8309560 DEPTH: 0.0

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSF246004SN1	860624		0.817	3.67J		15.80W	8.13J	11.54	21.J	0.0131T
MSF246004SN2	860624		0.465J	NC	NC	NC	NC	NC	NC	NC

STATION: TC0085 RETRIEVAL DATE: 18-NOV-87
IPP STA 44A- ACROSS FROM MONSANTO

LATITUDE: 4206750 LONGITUDE: 8310470 DEPTH: 1.5

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSG086001SN1	860708		1.195	12.77		20.51T	28.66	18.66	107.	0.1716
MSG086001SN2	860708		1.254	NC	NC	NC	NC	NC	NC	NC

STATION: TC0086 RETRIEVAL DATE: 18-NOV-87
IPP STA 110- OFF OF FIRESTONE STEEL PRODUCTS

LATITUDE: 4210810 LONGITUDE: 8309570 DEPTH: 1.2

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSG086002SN1	860708		16.680	63.08		389.30T	1592.00	104.10	485.	0.7054
MSG086002SN2	860708		NC	NC	NC	NC	NC	115.40	175.	NC

IPP STA 111- HENNEPIN PT. - WEST #2

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSG086003SN1	860708		7.614	123.70		145.00	170.20	98.16	306.	0.7374

STATION: TC0088 RETRIEVAL DATE: 18-NOV-87 LATITUDE: 4209190 LONGITUDE: 8310570 DEPTH: 0.6
IPP STA 112- ELIZABETH PARK CHANNEL

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSG086004SN1	860708		37.440	67.93		126.00	240.90	83.92	3238.	1.1820

STATION: TC0089 RETRIEVAL DATE: 18-NOV-87 LATITUDE: 4206610 LONGITUDE: 8311030 DEPTH: 1.5
IPP STA 113- GIBRALTAR, UPSTREAM #45

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSG086005SN1	860708		3.712	16.40		30.96	45.03	28.15	350.	0.3103J
MSG086005SN2	860708		3.273J	NC	NC	NC	NC	NC	NC	

STATION: TC0090 RETRIEVAL DATE: 18-NOV-87 LATITUDE: 4206130 LONGITUDE: 8311230 DEPTH: 0.0
IPP STA 114- GIBRALTAR, DOWNSTREAM #45

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSG086006SN1	860708		5.977	36.41		94.19	64.34	60.19	445.	0.5179

STATION: DR0020 RETRIEVAL DATE: 18-NOV-87 LATITUDE: 4213810 LONGITUDE: 8307620 DEPTH: 1.2
IPP STA 82- FIGHTING ISLAND NORTH END- REFERENCE

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSH286001SN1	860828		0.067J	9.30			10.46J	4.76		0.0304

STATION: DR0021 RETRIEVAL DATE: 18-NOV-87 LATITUDE: 4212710 LONGITUDE: 8307550 DEPTH: 1.8
IPP STA 83- FIGHTING ISLAND - REFERENCE

SAMPLE ID	DATE YYMMDD	CORE SLICE cm-cm	1028 Sed Cd mg/Kg	1029 Sed Cr mg/Kg	1038 Sed Co mg/Kg	1043 Sed Cu mg/Kg	1052 Sed Pb mg/Kg	1068 Sed Ni mg/Kg	1093 Sed Zn mg/Kg	71921 Sed Hg mg/Kg
MSH286002SN1	860828		0.128J	8.71			5.07	7.76		0.0690