

APPENDIX G

Macrozoobenthos Physical Data - A Summary

Appendix G

Table 1. Summary of hydrographic data taken at macrobenthos sampling stations in the St. Clair-Detroit River system in May and October, 1983 and 1984.

Transect	Station	Water depth (ft.)	Frequency of occurrence of substrate type*	Mean current velocity (ft/sec)	
				Surface	Bottom
1	1	6-10	**Sa(3),SiGr(1)***	1.7(1.6-1.8)	1.1(1.0-1.3)
	2	10-14	Sa(3),SaGr(1)	1.6(1.4-1.7)	1.1(1.1-1.1)
	3	15-17	Sa(4)	1.8(1.6-1.9)	1.3(0.9-1.9)
2	1	3-6	SaSi(3),SaGr(1)	0.7(4.4-1.1)	0.6(0.1-1.0)
	2	10-11	Si(1),GrCl(1),SaSi(1),Gr(1)	1.3(0.6-1.9)	1.0(0.4-1.4)
	3	15-17	Gr(3),SaGr(1)	2.3(1.8-3.0)	1.9(1.2-2.7)
3	1	6-7	SaGr(2),Gr(2)	1.8(0.6-2.4)	1.9(1.1-2.3)
	2	13-14	Gr(3),SaGr(1)	2.0(1.2-3.1)	1.6(1.0-2.1)
	3	17-20	Gr(3),Cl(1)	2.1(1.7-2.7)	1.7(0.9-2.7)
4	1	3-5	SaSi(4)	1.1(0.9-1.2)	0.6(0.2-1.1)
	2	10-13	SaSi(2),Sa(1)Si(1)	2.1(1.8-2.3)	1.1(0.3-1.8)
	3	15-17	Sa(2),SaSi(1),SiGr(1)	2.5(2.4-2.6)	2.0(1.2-2.8)
5	1	4-6	SaSi(3),Si(1)	1.4(0.8-2.2)	0.4(0.2-1.0)
	2	9-10	SaSi(3),SaCl(1)	1.8(1.5-2.1)	1.0(0.2-1.6)
	3	15-16	SaGr(2),Gr(2)	2.8(2.6-3.0)	1.8(0.9-2.6)
6	1	4	SaSi(4)	0.5(0.2-1.0)	0.3(0.0-1.0)
	2	7-10	SaSi(4)	0.8(0.4-1.2)	0.6(0.2-1.0)
	3	11-15	SaSi(3)Si(1)	1.2(0.7-1.4)	0.8(0.5-1.2)
7	1	5-7	SaSi(4)	0.6(0.5-0.7)	0.5(0.4-0.6)
	2	10-11	SaSi(2),SiCl(1),OrDe(1)	1.4(0.7-2.4)	1.2(0.1-2.4)
	3	16-20	Cl(1),SiCl(1),SaCl(1),SaSi(1)	1.9(1.4-2.6)	1.2(1.1-1.3)
8	1	3-4	SaSi(2),SiCl(1),Cl(1)	0.2(0.1-0.5)	0.2(0.1-0.5)
	2	6-8	SaSi(3)Si(1)	0.6(0.1-1.1)	0.3(0.0-0.6)
	3	13-15	SaSi(3),Si(1)	0.7(0.3-1.0)	0.4(0.0-0.8)

CONTINUED

Appendix G
 Table 1. Summary of hydrographic data taken at macrobenthos sampling stations in the St. Clair-Detroit River system in May and October, 1983 and 1984.

2

Transect	Station	Water depth (ft.)	Frequency of occurrence of substrate type*	Surface	Mean current velocity (ft/sec)	Bottom
9	1	4-6	SaSi(2),Sa(2)	0.3(0.2-0.4)	0.2(0.0-0.4)	
	2	7-8	SaSi(3),Sa(1)	0.6(0.3-1.0)	0.4(0.2-0.6)	
	3	10-15	Sa(2),SaSi(1),Si(1)	0.4(0.3-0.8)	0.6(0.1-1.1)	
10	1	3-4	Sa(4)	0.4(0.2-0.7)	0.3(0.2-0.3)	
	2	7-8	Sa(2),SaSi(2)	0.3(0.2-0.4)	0.2(0.1-0.3)	
	3	10-15	SaSi(4)	0.4(0.2-0.6)	0.3(0.1-0.6)	
11	1	17-21	SiCl(4)	0.5(0.2-0.7)	0.2(0.0-0.5)	
	2	20-23	SiCl(4)	0.2(0.2-0.3)	0.2(0.0-0.3)	
	3	24-27	SiCl(4)	0.2(0.2-0.3)	0.1(0.0-0.2)	
12	1	20-22	SiCl(4)	0.2(0.2-0.3)	0.2(0.1-0.3)	
	2	20-23	SiCl(4)	0.3(0.2-0.3)	0.2(0.1-0.2)	
	3	25-27	SiCl(4)	0.2(0.1-0.3)	0.2(0.0-0.3)	
13	1	20-21	SiCl(4)	0.6(0.3-1.0)	0.2(0.0-0.4)	
	2	20-23	SiCl(4)	0.4(0.3-0.5)	0.2(0.1-0.3)	
	3	25-28	SiCl(4)	0.5(0.3-0.9)	0.4(0.0-1.1)	
14	1	6-8	Sa(2),SaGr(1),Gr(1)	0.8(0.7-1.0)	0.4(0.0-0.7)	
	2	10-11	Sa(2),SaSi(1),SaGr(1)	1.0(0.7-1.5)	0.7(0.4-1.0)	
	3	16-20	Sa(2),Si(1),SaSi(1)	1.2(0.5-1.5)	1.0(0.6-1.4)	
15	1	6-8	SaCl(2),SaSi(1),SaGr(1)	0.7(0.4-1.1)	0.6(0.4-0.9)	
	2	10-11	SaCl(2),SaSi(1),SaGr(1)	1.3(0.7-1.7)	0.7(0.4-0.9)	
	3	15-19	SaCl(2),SaSi(2)	1.6(1.0-2.0)	1.1(0.9-1.4)	
16	1	6	Si(4)	0.1(0.1-0.1)	0.1(0.1-0.1)	
	2	7-11	Si(3),SiCl(1)	0.2(0.1-0.4)	0.1(0.0-0.3)	
	3	15-18	SaSi(3),Si(1)	0.9(0.6-1.4)	0.8(0.5-1.3)	

CONTINUED

Appendix G

Table 1. Summary of hydrographic data taken at macrobenthos sampling stations in the St. Clair-Detroit River system in May and October, 1983 and 1984.

Transect	Station	Water depth (ft.)	Frequency of occurrence of substrate type*	Mean current velocity (ft/sec)	
				Surface	Bottom
17	1	9-10	Si(1), SiCl(1), SaSi(1), SiGr(1)	0.3(0.2-0.4)	0.1(0.1-0.1)
	2	11-12	Si(2), SaSi(1), Sa(1)	1.3(0.8-1.7)	0.8(0.5-1.2)
	3	16-20	SaSi(2), Si(1), Sa(1)	1.4(1.3-1.6)	0.8(0.7-1.0)
18	1	5-7	Si(4)	0.4(0.3-0.4)	0.2(0.1-0.4)
	2	7-10	Si(4)	0.3(0.2-0.4)	0.3(0.1-0.6)
	3	15-16	Si(3), SaSi(1)	0.9(0.7-1.0)	0.4(0.2-0.7)
19	1	5-6	SiCl(2), Cl(1), SaSi(1)	0.4(0.3-0.5)	0.1(0.0-0.2)
	2	11-12	SaGr(2), SaSi(1), Gr(1)	0.7(0.5-0.9)	0.7(0.3-1.0)
	3	19-22	SaGr(2), GrCl(1), Gr(1)	1.3(0.7-1.9)	0.8(0.2-1.3)
20	1	4-6	Co(2), Si(1), Gr(1)	0.7(0.4-1.1)	0.4(0.2-0.7)
	2	12-14	SiCl(1), GrCl(1), SiGr(1), SaGr(1)	1.7(1.4-2.2)	1.2(0.8-1.4)
	3	17-23	Cl(1), SaCl(1), SaSi(1), SiGr(1)	1.9(1.6-2.2)	1.3(0.7-1.7)
21	1	8-10	SaSi(2), Si(1), SaCl(1)	0.8(0.5-1.2)	0.5(0.2-0.9)
	2	11-20	Cl(1), Si(1), SiCl(1), SaSi(1)	0.8(0.7-0.8)	0.4(0.3-0.5)
	3	18-25	GrCl(2), Cl(1), SaSi(1)	1.1(0.7-1.7)	0.8(0.5-1.3)

* Cl = clay, SiCl = silty clay, SaCl = sandy clay, GrCl = gravelly clay, Si = silt, SaSi = sandy silt, Sa = sand, SiGr = silty gravel, SaGr = sandy gravel, Gr = gravel, Co = cobble, OrDe = organic debris.

** Clay = very cohesive and malleable fine sediments

Silt = unconsolidate fine sediments

Sand = 0.062 - 2 mm

Gravel = 2-64 mm

Cobble = 64 mm

***Frequency of occurrence, each station was sampled four times, twice in May and October.