

**MYAKKA RIVER BENTHIC MACROINVERTEBRATE SURVEY
DRY SEASON SAMPLING**

FINAL REPORT

**FOR
SARASOTA COUNTY CONTRACT 2004-134
WORK AUTHORIZATION 04-02**



JUNE 20, 2005

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Mote Marine Laboratory Technical Report No. 1030

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INTRODUCTION AND METHODS

Benthic invertebrate communities are representative of the physical conditions of their environment. Salinity regime and sediment composition are two of the more critical structuring parameters for benthic communities. Individual species respond in one of two ways to river flow, salinity, or other physicochemical variables. Highly motile species, such as crustaceans, may move when exposed to a salinity gradient and relocate to more favorable habitats within the river. Sedentary or less motile species typically have broad ranges of tolerance to salinity change, but when conditions move outside these ranges mortality is imminent. Distinct spatial patterns develop as a result of differential reproductive periods, larval development rates, recruitment variables, life history characteristics, and mortality patterns and rates. As a result, a spatial pattern observed at a given time is the result of antecedent conditions, generally on the order of days to months. The primary objective of the study is to identify species distributions as related to salinity zonation in the Myakka River.

The data presented in this report summarize the results of dry season sampling (June, 2004) along a prescribed length of the Myakka River. The sampling area encompasses the tidal Myakka River from its mouth (adjacent to Hog Island in Charlotte Harbor) to a distance forty-five kilometers upstream. Upstream of this point, a limestone sill (Rocky Ford) provides a barrier to possible saltwater penetration. Thirty locations were sampled for benthic macrofauna and sediment.

Stations were labelled according to the river kilometer (RK) system developed by SWFWMD. Myakka River stations were spaced according to the following scheme:

- 2 kilometer intervals from RK 0 through RK 10 (6 locations)
- 1 kilometer intervals from RK 11 through RK 30 (20 locations)
- 4 kilometer intervals from RK 33 to RK 45 (4 locations)

Stations within the 10-30 kilometer segment were spaced more closely since this region was expected to exhibit the greatest fluctuations in salinity under various flow scenarios. Each station was sampled using the same protocols and procedures from previous studies in the Peace (Culter and Estevez, 2001) and Alafia Rivers (Culter and Estevez, 2003). At each location, a single 3" diameter core (infauna) and sweep net (epifauna) sample was collected from both the shallow subtidal and deeper sediments. A single sediment sample was also collected at both shallow and deep locations. A total of sixty core samples, sixty sweep samples and sixty sediment samples were collected for this study.

Samples were processed by the same protocols used in the abovementioned Peace and Alafia River studies. Each sample was sorted to remove the fauna from the sediment and debris. Individual organisms were identified to the lowest practical taxonomic level and enumerated. Tabulations of species occurrences by station and river zone were compiled. Community metrics (diversity, equitability, number of taxa, abundance) and similarity analyses were calculated. Results are presented in tabular form.

Mote Marine Laboratory (under separate contract) will conduct a separate analysis and synthesis of benthic data from this and other relevant benthic studies of the Myakka River to assist the SWFWMD in assessing the impacts of historic or proposed freshwater inflow alterations.

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Table 1. Water Quality Parameters. Myakka River Dry Season (June, 2004).

A) Shallow Locations

Station	Salinity (ppt)	Temp (deg C)	pH	Sp Cond	DO (mg/l)	DO (% sat)
0	30.19	30.49	7.78	46.78	5.53	89.10
2	30.06	30.52	7.83	46.70	6.05	96.90
4	29.59	30.08	7.80	45.96	6.00	95.10
6	29.07	30.52	7.79	45.27	5.98	94.10
8	28.07	30.96	7.81	43.91	6.32	100.10
10	26.98	30.51	7.81	42.35	6.21	97.00
12	26.53	30.33	7.81	41.79	6.22	97.80
14	25.42	30.39	7.81	40.11	6.06	94.50
16	23.21	30.40	7.68	37.08	6.13	94.10
18	18.80	28.16	7.22	30.34	4.29	61.80
20	17.93	28.81	7.21	29.04	4.25	61.60
22	17.20	29.32	7.19	28.02	4.36	63.30
24	16.54	28.77	7.06	27.07	3.74	54.00
26	13.92	29.54	7.02	23.10	3.98	56.60
28	10.94	29.52	7.06	18.49	4.47	62.50
30	6.98	29.97	7.16	12.19	5.13	71.30
32	4.31	30.21	7.14	7.77	4.91	66.50
34	2.83	29.56	7.10	5.12	5.00	66.90
36	1.01	29.35	7.13	1.89	5.19	67.70
38	0.59	29.48	7.00	1.14	4.32	55.80
40	0.29	30.27	7.23	0.57	5.79	76.70
42	0.26	30.40	7.15	0.52	6.75	89.10
44	0.26	29.58	7.25	0.51	6.07	77.90

4.

Table 1. Continued.

B) Deep Locations

Station	Salinity (ppt)	Temp (deg C)	pH	Sp Cond	DO (mg/l)	DO (% sat)
0	30.94	29.38	7.87	47.77	5.93	93.70
2	30.30	29.74	7.82	46.95	5.89	93.20
4	29.50	29.28	7.74	45.81	5.47	85.90
6	29.04	30.26	7.75	45.17	5.63	88.70
8	28.02	29.35	7.71	43.71	5.67	88.50
10	27.18	29.35	7.74	42.52	5.01	77.10
12	26.64	30.34	7.81	41.84	6.24	97.10
14	25.36	30.35	7.81	40.06	6.13	95.00
16	23.48	30.38	7.68	37.37	6.02	92.50
18	19.32	27.94	7.24	31.10	4.13	59.30
20	18.18	28.16	7.18	29.41	3.76	53.10
22	17.26	28.76	7.13	28.04	3.70	53.20
24	16.58	28.71	7.05	27.03	3.56	51.00
26	14.69	29.18	7.00	24.29	3.59	51.40
28	11.36	29.07	6.99	19.33	3.58	49.90
30	7.99	29.03	6.99	13.85	3.70	50.50
32	4.56	29.50	7.09	8.16	4.43	60.20
34	3.02	29.34	7.08	5.47	4.45	59.50
36	1.01	29.36	7.12	1.90	4.94	64.70
38	0.70	28.78	6.95	1.33	3.73	48.50
40	0.29	30.19	7.20	0.58	5.84	77.50
42	0.26	30.29	7.12	0.51	6.48	86.10
44	0.26	29.57	7.23	0.51	5.86	77.20

Table 2. Sediment Coarse Organic Matter. Myakka River Dry Season (June, 2004).

Sample	Wet Wt (g)	Dry Wt (g)	Water Wt (g)	Water (%)	Loss on Combustion	%Coarse Organic Matter	Organic Matter per m2
M - 0 - SC	71.35	25.45	45.90	64.33	1.75	6.88	383.7
M - 0 - DC	90.45	71.69	18.76	20.74	0.18	0.25	39.5
M - 2 - SC	48.66	35.21	13.45	27.64	0.24	0.68	52.6
M - 2 - DC	39.42	28.11	11.31	28.69	0.18	0.64	39.5
M - 4 - SC	58.20	36.42	21.78	37.42	1.10	3.02	241.2
M - 4 - DC	44.76	28.90	15.86	35.43	0.27	0.93	59.2
M - 6 - SC	55.74	43.89	11.85	21.26	0.21	0.48	46.0
M - 6 - DC	24.11	16.42	7.69	31.90	0.13	0.79	28.5
M - 8 - SC	111.78	87.19	24.59	22.00	1.40	1.61	307.0
M - 8 - DC	75.66	59.11	16.55	21.87	0.23	0.39	50.4
M -10 - SC	20.19	10.98	9.21	45.62	1.19	10.84	260.9
M -10 - DC	42.01	30.41	11.60	27.61	0.39	1.28	85.5
M -12 - SC	78.10	57.51	20.59	26.36	0.91	1.58	199.5
M -12 - DC	27.89	17.90	9.99	35.82	0.37	2.07	81.1
M -14 - SC	11.92	8.53	3.39	28.44	0.10	1.17	21.9
M -14 - DC	29.86	13.48	16.38	54.86	1.10	8.16	241.2
M -16 - SC	96.15	20.96	75.19	78.20	3.18	15.17	697.3
M -16 - DC	128.40	93.92	34.48	26.85	2.00	2.13	438.6
M -18 - SC	80.05	7.59	72.46	90.52	4.53	59.68	993.3
M -18 - DC	9.01	2.72	6.29	69.81	0.26	9.56	57.0
M -20 - SC	130.98	79.20	51.78	39.53	1.38	1.74	302.6
M -20 - DC	119.04	95.30	23.74	19.94	0.69	0.72	151.3
M -22 - SC	173.59	107.95	65.64	37.81	2.44	2.26	535.0
M -22 - DC	246.86	203.37	43.49	17.62	0.44	0.22	96.5
M -24 - SC	46.88	6.13	40.75	86.92	2.71	44.21	594.3
M -24 -DC	100.26	81.22	19.04	18.99	0.88	1.08	193.0
M -26 -SC	257.82	152.24	105.58	40.95	5.66	3.72	1,241.1
M -26 -DC	76.50	62.83	13.67	17.87	0.09	0.14	19.7
M -28 -SC	54.45	6.17	48.28	88.67	3.65	59.16	800.4
M -28 -DC	490.58	405.90	84.68	17.26	1.14	0.28	250.0

Table 2. Continued.

Sample	Wet Wt (g)	Dry Wt (g)	Water Wt (g)	Water (%)	Loss on Combustion	%Coarse Organic Matter	Organic Matter per m2
M -30 -SC	16.40	2.08	14.32	87.32	1.25	60.10	274.1
M -30 -DC	255.76	196.49	59.27	23.17	1.92	0.98	421.0
M -32 -SC	26.74	4.88	21.86	81.75	1.75	35.86	383.7
M -32 -DC	2.61	1.49	1.12	42.91	0.03	2.01	6.6
M -34 -SC	27.07	2.63	24.44	90.28	1.91	72.62	418.8
M -34 -DC	1.53	0.93	0.60	39.22	-0.01	-1.08	-2.2
M -36 -SC	23.34	2.63	20.71	88.73	1.74	66.16	381.5
M -36 -DC	34.40	12.21	22.19	64.51	3.19	26.13	699.5
M -38 -SC	13.79	5.28	8.51	61.71	1.15	21.78	252.2
M -38 -DC	47.10	36.87	10.23	21.72	0.83	2.25	182.0
M -40 -SC	8.99	3.21	5.78	64.29	0.58	18.07	127.2
M -40 -DC	247.90	202.32	45.58	18.39	0.64	0.32	140.3
M -42 -SC	15.71	1.64	14.07	89.56	1.17	71.34	256.6
M -42 -DC	82.71	66.96	15.75	19.04	0.05	0.07	11.0
M -44 -SC	148.76	119.57	29.19	19.62	1.35	1.13	296.0
M -44 -DC	15.38	6.59	8.79	57.15	1.38	20.94	302.6
Minimum	1.5	0.9	0.6	17.3	0.0	-1.1	-2.2
Maximum	490.6	405.9	105.6	90.5	5.7	72.6	1241.1
Mean	82.8	55.7	27.1	44.6	1.3	13.9	275.2
Median	51.6	28.5	18.9	36.6	1.1	2.0	241.2
St.Dev.	92.4	76.3	23.9	25.5	1.2	22.3	271.3

Table 3. Benthic Community Statistical Analysis. Faunal Parameters by Station, Sample Type and Depth. Myakka River Dry Season (June, 2004).

River Km	Sample Type	Depth	Number of Taxa	Total Ind	Ind/m2	Shannon-Weiner Index H'			Pielou's Index	Margalef's Index	Simpson's Index	Gini's Index
						logE	log10	log2				
0	Core	Sub	26	183	44,033	2.55	1.11	3.68	0.78	4.80	0.11	0.89
0	Sweep	Sub	16	67	-	2.39	1.04	3.44	0.86	3.57	0.11	0.89
0	Core	Int	14	41	9,865	2.28	0.99	3.29	0.87	3.50	0.11	0.89
0	Sweep	Int	9	552	-	0.59	0.26	0.85	0.27	1.27	0.71	0.29
2	Core	Sub	14	38	9,143	2.26	0.98	3.26	0.86	3.57	0.13	0.87
2	Sweep	Sub	15	88	-	2.34	1.02	3.37	0.86	3.13	0.11	0.89
2	Core	Int	11	37	8,903	1.89	0.82	2.73	0.79	2.77	0.21	0.79
2	Sweep	Int	23	163	-	2.57	1.11	3.70	0.82	4.32	0.11	0.89
4	Core	Sub	11	61	14,678	1.69	0.74	2.44	0.71	2.43	0.24	0.76
4	Sweep	Sub	21	267	-	1.82	0.79	2.63	0.60	3.58	0.28	0.72
4	Core	Int	17	46	11,068	2.53	1.10	3.66	0.89	4.18	0.08	0.92
4	Sweep	Int	29	160	-	2.96	1.29	4.27	0.88	5.52	0.06	0.94
6	Core	Sub	9	30	7,218	1.52	0.66	2.19	0.69	2.35	0.33	0.67
6	Sweep	Sub	17	92	-	2.15	0.93	3.10	0.76	3.54	0.16	0.84
6	Core	Int	9	21	5,053	1.93	0.84	2.79	0.88	2.63	0.14	0.86
6	Sweep	Int	22	212	-	2.12	0.92	3.05	0.68	3.92	0.22	0.78
8	Core	Sub	15	140	33,686	0.92	0.40	1.33	0.34	2.83	0.66	0.34
8	Sweep	Sub	18	78	-	2.52	1.09	3.64	0.87	3.90	0.10	0.90
8	Core	Int	8	18	4,331	1.77	0.77	2.55	0.85	2.42	0.18	0.82
8	Sweep	Int	18	231	-	2.07	0.90	2.99	0.72	3.12	0.21	0.79
10	Core	Sub	10	56	13,474	1.50	0.65	2.16	0.65	2.24	0.36	0.64
10	Sweep	Sub	21	251	-	2.17	0.94	3.13	0.71	3.62	0.17	0.83
10	Core	Int	16	141	33,927	1.90	0.83	2.75	0.69	3.03	0.26	0.74
10	Sweep	Int	19	191	-	2.32	1.01	3.34	0.79	3.43	0.13	0.87
12	Core	Sub	7	30	7,218	1.29	0.56	1.86	0.66	1.76	0.38	0.62
12	Sweep	Sub	16	118	-	2.31	1.00	3.33	0.83	3.14	0.12	0.88
12	Core	Int	14	55	13,234	2.35	1.02	3.40	0.89	3.24	0.10	0.90
12	Sweep	Int	21	291	-	2.56	1.11	3.70	0.84	3.53	0.10	0.90
14	Core	Sub	7	20	4,812	1.34	0.58	1.93	0.69	2.00	0.36	0.64
14	Sweep	Sub	18	96	-	2.46	1.07	3.55	0.85	3.72	0.10	0.90
14	Core	Int	9	23	5,534	1.98	0.86	2.86	0.90	2.55	0.12	0.88
14	Sweep	Int	23	714	-	1.32	0.57	1.91	0.42	3.35	0.47	0.53
16	Core	Sub	13	90	21,655	1.80	0.78	2.60	0.70	2.67	0.25	0.75
16	Sweep	Sub	9	96	-	1.67	0.73	2.41	0.76	1.75	0.22	0.78
16	Core	Int	18	142	34,167	1.99	0.87	2.88	0.69	3.43	0.19	0.81
16	Sweep	Int	9	484	-	0.81	0.35	1.16	0.37	1.29	0.57	0.43
18	Core	Sub	10	31	7,459	1.72	0.75	2.48	0.75	2.62	0.27	0.73
18	Sweep	Sub	12	62	-	1.92	0.83	2.77	0.77	2.67	0.22	0.78
18	Core	Int	9	33	7,940	1.70	0.74	2.45	0.77	2.29	0.24	0.76
18	Sweep	Int	17	526	-	0.94	0.41	1.36	0.33	2.55	0.64	0.36

Table 3. Continued.

River Km	Sample Type	Depth	Number of Taxa	Total Ind	Ind/m2	Shannon-Weiner Index H'			Pielou's Index	Margalef's Index	Simpson's Index	Gini's Index
						logE	log10	log2				
20	Core	Int	6	17	4,090	1.60	0.69	2.31	0.89	1.76	0.18	0.82
20	Sweep	Int	12	574	-	0.69	0.30	1.00	0.28	1.73	0.70	0.30
22	Core	Sub	9	136	32,724	1.48	0.64	2.14	0.68	1.63	0.29	0.71
22	Sweep	Sub	13	68	-	1.83	0.79	2.64	0.71	2.84	0.24	0.76
22	Core	Int	7	16	3,850	1.60	0.69	2.31	0.82	2.16	0.21	0.79
22	Sweep	Int	7	206	-	1.05	0.46	1.51	0.54	1.13	0.50	0.50
24	Core	Sub	8	73	17,565	1.40	0.61	2.01	0.67	1.63	0.32	0.68
24	Sweep	Sub	7	44	-	1.39	0.60	2.00	0.71	1.59	0.32	0.68
24	Core	Int	10	78	18,768	1.50	0.65	2.16	0.65	2.07	0.30	0.70
24	Sweep	Int	5	14	-	1.30	0.56	1.87	0.81	1.52	0.27	0.73
26	Core	Sub	5	81	19,490	1.25	0.54	1.80	0.77	0.91	0.32	0.68
26	Sweep	Sub	9	55	-	1.78	0.77	2.57	0.81	2.00	0.20	0.80
26	Core	Int	8	91	21,896	1.22	0.53	1.76	0.59	1.55	0.44	0.56
26	Sweep	Int	6	32	-	1.43	0.62	2.06	0.80	1.44	0.28	0.72
28	Core	Sub	9	147	35,371	1.18	0.51	1.70	0.54	1.60	0.41	0.59
28	Sweep	Sub										
28	Core	Int	4	38	9,143	0.96	0.42	1.39	0.69	0.82	0.42	0.58
28	Sweep	Int	3	23	-	0.47	0.20	0.68	0.43	0.64	0.75	0.25
30	Core	Sub	9	92	22,137	1.21	0.53	1.75	0.55	1.77	0.47	0.53
30	Sweep	Sub	7	33	-	1.38	0.60	1.99	0.71	1.72	0.31	0.69
30	Core	Int	8	42	10,106	1.66	0.72	2.39	0.80	1.87	0.26	0.74
30	Sweep	Int	4	14	-	1.28	0.55	1.84	0.92	1.14	0.25	0.75
32	Core	Sub	5	49	11,790	0.59	0.26	0.85	0.37	1.03	0.74	0.26
32	Sweep	Sub	8	11	-	1.97	0.86	2.85	0.95	2.92	0.07	0.93
32	Core	Int	5	19	4,572	1.17	0.51	1.68	0.72	1.36	0.35	0.65
32	Sweep	Int	12	36	-	2.05	0.89	2.95	0.82	3.07	0.16	0.84
34	Core	Sub	2	8	1,925	0.66	0.29	0.95	0.95	0.48	0.46	0.54
34	Sweep	Sub	10	51	-	1.49	0.65	2.15	0.65	2.29	0.30	0.70
34	Core	Int	5	30	7,218	0.84	0.37	1.21	0.52	1.18	0.59	0.41
34	Sweep	Int	18	28	-	2.73	1.19	3.94	0.94	5.10	0.04	0.96
36	Core	Sub	11	29	6,978	1.90	0.83	2.74	0.79	2.97	0.20	0.80
36	Sweep	Sub	22	62	-	2.69	1.17	3.88	0.87	5.09	0.08	0.92
36	Core	Int	9	77	18,527	1.10	0.48	1.58	0.50	1.84	0.51	0.49
36	Sweep	Int	7	23	-	1.63	0.71	2.35	0.84	1.91	0.22	0.78
38	Core	Sub	6	36	8,662	1.23	0.54	1.78	0.69	1.40	0.36	0.64
38	Sweep	Sub	6	8	-	1.67	0.72	2.41	0.93	2.40	0.11	0.89
38	Core	Int	2	26	6,256	0.16	0.07	0.24	0.24	0.31	0.92	0.08
38	Sweep	Int	9	19	-	1.82	0.79	2.63	0.83	2.72	0.19	0.81

Table 3. Continued.

River Km	Sample Type	Depth	Number of Taxa	Total Ind	Ind/m2	Shannon-Weiner Index H'			Pielou's Index	Margalef's Index	Simpson's Index	Gini's Index
						logE	log10	log2				
40	Core	Int	6	24	5,775	1.47	0.64	2.11	0.82	1.57	0.25	0.75
40	Sweep	Int	6	59	-	1.49	0.65	2.14	0.83	1.23	0.23	0.77
42	Core	Sub	5	17	4,090	1.09	0.47	1.57	0.68	1.41	0.43	0.57
42	Sweep	Sub	16	104	-	1.95	0.85	2.81	0.70	3.23	0.22	0.78
42	Core	Int	9	40	9,625	1.65	0.72	2.39	0.75	2.17	0.27	0.73
42	Sweep	Int	12	57	-	1.84	0.80	2.66	0.74	2.72	0.24	0.76
44	Core	Sub	15	65	15,640	2.26	0.98	3.26	0.84	3.35	0.12	0.88
44	Sweep	Sub	14	174	-	1.02	0.44	1.47	0.39	2.52	0.60	0.40
44	Core	Int	5	25	6,015	1.41	0.61	2.03	0.88	1.24	0.24	0.76
44	Sweep	Int	14	234	-	2.05	0.89	2.96	0.78	2.38	0.16	0.84
		Mean	11	105	13,628	1.66	0.72	2.40	0.72	2.46	0.29	0.71
		S.D.	6	134	10,410	0.58	0.25	0.83	0.17	1.09	0.18	0.18
		Med	9	56	0	1.64	0.72	2.39	0.75	2.37	0.24	0.76
		Min	2	8	1,925	0.16	0.07	0.24	0.24	0.31	0.04	0.08
		Max	29	714	44,033	2.96	1.29	4.27	0.95	5.52	0.92	0.96

Table 3. Continued.

Myakkahatchee Creek

River Km	Sample Type	Depth	Number of Taxa	Total Ind	Ind/m2	Shannon-Weiner Index H'			Pielou's Index	Margalef's Index	Simpson's Index	Gini's Index
1	Core	Sub	4	19	4,572	1.09	0.47	1.57	0.79	1.02	0.37	0.63
1	Sweep	Sub	8	91	-	1.39	0.60	2.00	0.67	1.55	0.30	0.70
1	Core	Int	5	14	3,369	1.33	0.58	1.92	0.83	1.52	0.27	0.73
1	Sweep	Int	13	46	-	1.92	0.83	2.77	0.75	3.13	0.23	0.77
2	Core	Sub	1	7	1,684	0.00	0.00	0.00		0.00	1.00	0.00
2	Sweep	Sub	6	39	-	1.40	0.61	2.02	0.78	1.36	0.28	0.72
2	Core	Int	4	16	3,850	1.14	0.50	1.65	0.82	1.08	0.33	0.68
2	Sweep	Int	5	73	-	1.06	0.46	1.52	0.66	0.93	0.42	0.58
3	Core	Sub	4	30	7,218	0.99	0.43	1.43	0.72	0.88	0.44	0.56
3	Sweep	Sub	8	159	-	1.19	0.52	1.72	0.57	1.38	0.39	0.61
3	Core	Int	2	13	3,128	0.54	0.23	0.78	0.78	0.39	0.62	0.38
3	Sweep	Int	7	87	-	1.37	0.59	1.98	0.70	1.34	0.31	0.69
4	Core	Sub	4	27	6,497	0.66	0.28	0.95	0.47	0.91	0.67	0.33
4	Sweep	Sub	8	145	-	1.54	0.67	2.22	0.74	1.41	0.27	0.73
4	Core	Int	9	69	16,603	1.12	0.49	1.61	0.51	1.89	0.50	0.50
4	Sweep	Int	8	220	-	1.27	0.55	1.83	0.61	1.30	0.34	0.66
		Mean	6	66	5,865	1.13	0.49	1.62	0.69	1.26	0.42	0.58
		S.D.	3	62	4,697	0.44	0.19	0.64	0.11	0.68	0.20	0.20
		Med	6	43	842	1.17	0.51	1.69	0.71	1.32	0.36	0.64
		Min	1	7	1,684	0.00	0.00	0.00	0.47	0.00	0.23	0.00
		Max	13	220	16,603	1.92	0.83	2.77	0.83	3.13	1.00	0.77

Table 4. Benthic Macroinvertebrate Species Abundance by Collection Gear and Depth. Myakka River Dry Season (June, 2004).

	Total	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC		
Taxon/Species	Num	Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4	
Hydrobiidae spp.	2,310	Core	Int	0	0	0	0	0	0	1	5	0	22	0	1	1	0	0	0	4	6	1	0	0	0	0	0	0	0	9	
		Core	Sub	0	0	0	0	0	0	1	0	0	0	0	0	31	15	15	0	1	1	0	1	0	1	2	3	0	19	3	
		Swp	Int	0	0	0	0	0	0	0	21	473	347	418	477	142	0	0	0	0	0	0	0	0	0	0	0	4	42	32	52
		Swp	Sub	0	0	0	0	0	0	0	1	0	0	4	0	8	0	4	-	0	2	0	0	0	0	0	0	4	16	88	32
Polymesoda caroliniana	671	Core	Int	0	0	8	0	0	18	0	3	3	36	3	2	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	1	0	0	0	0	41	2	30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	2	2	3	16	0	60	118	114	26	62	27	0	3	1	0	0	0	0	0	0	0	0	2	0	0	0
		Swp	Sub	0	0	0	0	0	2	0	0	0	27	27	19	1	0	0	-	0	0	0	0	0	0	0	0	0	6	0	0
Grandidierella bonnieroides	615	Core	Int	0	0	0	0	1	0	0	0	0	43	6	6	6	26	59	19	2	0	0	0	0	0	0	1	8	0	5	
		Core	Sub	0	0	0	0	0	0	0	0	1	16	16	39	62	36	27	31	6	0	0	0	0	0	0	11	0	4	0	
		Swp	Int	6	0	0	0	0	3	0	2	3	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	22	2	1
		Swp	Sub	0	0	0	0	0	2	0	0	1	25	0	24	0	0	11	-	2	1	0	0	0	0	0	25	3	46	0	
Bittium varium	474	Core	Int	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	458	5	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	
Cyclaspis varians	462	Core	Int	0	16	1	2	7	67	0	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	8	0	2	17	114	33	0	18	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	2	13	20	20	0	0	30	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	0	1	6	23	11	0	0	24	1	4	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	
Corophium sp.	419	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	33	7	16	4	0	0	0	0	0	0	3	0	0	2	
		Core	Sub	0	0	0	0	0	0	0	0	0	4	2	1	24	14	34	86	62	42	0	0	0	0	0	0	1	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	1	6	2	0	1	0	0	0	1	0	0	0	0	0	21	0	0	1	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	2	3	30	0	5	-	1	1	3	0	0	0	1	0	5	0	
Tellina sp.	387	Core	Int	0	0	1	2	3	7	0	6	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	8	2	0	0	0	6	0	3	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	7	11	95	47	0	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	1	3	0	3	18	76	0	27	15	3	1	0	2	2	0	-	0	0	0	0	0	0	0	0	0	0	0	

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC	
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
<i>Taphromysis louisianae</i>	381	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	4	4	6	0	0	0	0	0	0	8	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	304	0	0	0	0	0	0	0	0	20	-	2	3	20	0	0	0	0	0	0	0
<i>Laeonereis culveri</i>	339	Core	Int	0	0	0	0	0	0	0	1	0	3	15	3	5	8	9	0	0	0	0	0	0	0	0	7	2	10	48
		Core	Sub	0	0	0	0	0	0	0	0	0	0	3	2	0	3	0	0	0	0	0	0	0	0	4	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	34	0	0	1	3	2	0	0	0	0	0	0	3	0	9	107	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	8	0	2	23	1	-	0	0	0	0	0	0	0	1	0	5	17
Oligochaeta spp.	339	Core	Int	1	0	4	0	0	0	3	0	0	0	0	0	0	1	10	2	20	10	23	54	25	20	7	2	5	0	1
		Core	Sub	0	1	0	0	0	0	24	0	1	0	0	0	0	0	0	0	3	3	5	12	20	11	13	0	0	0	0
		Swp	Int	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	3	2	2	1	2	24	1	0	0	0
		Swp	Sub	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	-	0	1	2	4	0	0	1	0	0	0	0
<i>Amygdalum papyrium</i>	302	Core	Int	0	0	3	1	0	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	18	0	4	0	7	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	9	10	93	30	17	0	27	22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	3	4	3	1	4	32	0	1	0	0	0	0	1	1	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Mulinia lateralis</i>	261	Core	Int	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	8	5	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	11	6	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	7	7	118	2	6	52	0	6	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Pectinaria gouldii</i>	229	Core	Int	0	3	1	1	1	14	0	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	42	12	8	4	0	4	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	1	3	7	15	18	0	0	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	4	6	25	7	21	0	9	2	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Streblospio benedicti</i>	229	Core	Int	0	0	0	0	1	1	0	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		Core	Sub	0	0	0	2	0	0	0	0	3	0	1	4	9	0	0	0	0	0	0	0	0	0	0	0	7	6	22
		Swp	Int	0	0	0	0	21	1	0	0	5	0	2	9	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	1	0	0	1	0	0	7	0	2	2	3	0	0	-	0	0	0	0	0	0	0	2	12	12	64
Xanthidae spp.	210	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	4	1	1	3	0	1	1	3	0	0	1	0	0	0	0	0	0	0
		Swp	Int	0	1	0	0	0	0	0	9	7	4	7	6	8	5	8	20	6	3	1	0	0	0	0	4	1	2	0
		Swp	Sub	0	2	3	0	3	3	0	6	13	10	0	7	12	9	9	-	1	1	1	2	0	0	0	16	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC	
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
<i>Caenis hiliaris</i>	176	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	0	0	1	8	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	1	0	0	18	134	0	0	0	0
<i>Tagelus plebeius</i>	149	Core	Int	1	0	0	0	0	5	0	10	4	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	14	1	12	34	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	1	0	0	0	6	3	0	0	1	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Mysidopsis almyra</i>	147	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	2	9	0	3	0	0	30	0	7	5	2	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	1	0	4	2	0	0	3	24	0	14	1	0	0	-	15	0	20	0	0	0	0	0	0	0	0
<i>Haminoea succinea</i>	142	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	9	5	26	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	9	11	74	0	2	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Leptochela</i> sp.	134	Core	Int	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	36	48	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	41	1	0	3
<i>Mysella planulata</i>	127	Core	Int	9	3	8	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	21	4	21	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	3	26	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	4	0	2	1	0	4	0	5	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Procloeon viridocularis</i>	121	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	40	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	5	0	43	7	0	0	0	0
<i>Acteocina canaliculata</i>	120	Core	Int	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	4	2	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	7	45	8	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	3	11	7	1	4	4	0	5	4	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3
<i>Cladotanytarsus cf. davies</i>	118	Core	Int	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	15	0	0	0	0
		Swp	Int	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	8	60	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	3	2	0	0	0	0
<i>Astyris lunata</i>	115	Core	Int	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	76	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	1	18	1	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Ampelisca</i> spp.	105	Core	Int	0	0	0	0	0	7	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	2	0	1	0	5	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	1	0	6	16	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	6	13	1	4	0	15	1	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Gammarus</i> spp.	102	Core	Int	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	5	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	10	1	0	1	8	0	2	0	0	0
		Swp	Int	0	15	2	0	0	1	18	6	5	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	-	11	1	1	0	0	0	0	0	0	0
<i>Polypedilum scalaenum</i> gp.	94	Core	Int	0	0	0	0	0	0	9	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7	0	0	0	0
		Swp	Int	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	50	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Corbicula fluminea</i>	89	Core	Int	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4	0	3	1	0	1	8	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	22	5	0	3	5	5	1	0	0	0	0
		Swp	Int	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	-	1	0	1	14	1	1	0	0	0	1
<i>Glycinde solitaria</i>	85	Core	Int	0	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	2	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	1	6	3	5	4	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	1	0	3	1	24	0	6	16	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Edotea montosa</i>	83	Core	Int	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		Core	Sub	1	0	0	0	0	0	0	0	0	0	1	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	3	1	0	12	0	0	5	4	2	0	15	0	0	0	0	0	0	0	0	0	4	6
		Swp	Sub	0	0	0	0	0	1	0	0	0	1	5	2	5	6	0	-	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

		River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC	
Taxon/Species	Total Num	Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
<i>Oxyurostylis smithi</i>	71	Core	Int	0	3	0	7	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	0	0	4	0	0	26	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	1	0	3	7	2	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	
<i>Neanthes succinea</i>	60	Core	Int	7	0	1	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	3	0	1	1	1	2	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	1	0	0	0	0	1	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
		Swp	Sub	0	0	0	4	0	7	0	4	6	1	1	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	
<i>Mesanthura floridensis</i>	58	Core	Int	1	0	3	0	3	3	0	1	4	2	1	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	1	0	1	2	0	4	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
		Swp	Sub	0	0	0	0	0	2	0	0	1	0	5	3	0	0	0	-	0	0	0	0	0	0	0	1	0	0	
<i>Brachycercus maculatus</i>	43	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	0	0	0	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	15	13	0	0	
<i>Bivalvia</i> spp.	39	Core	Int	0	0	0	4	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	
		Core	Sub	10	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	8	0	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-	0	0	0	0	0	0	0	0	0	
<i>Caprellidae</i> spp.	36	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	2	4	11	0	0	0	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	3	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	
<i>Bemlos</i> sp.	35	Core	Int	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	9	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	18	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	
<i>Oedicerotidae</i>	34	Core	Int	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	3	7	1	0	17	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC	
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
<i>Cryptochironomus</i> sp.	33	Core	Int	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	15	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	-	0	0	0	0	0	1	0	0	0	0
<i>Rudilemboides</i> <i>naglei</i>	30	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Erichsonella</i> <i>filiformis</i>	29	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	1	9	9	2	0	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Rangia cuneata</i>	29	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		Swp	Int	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	4	3	0	1	0	-	0	0	0	0	0	0	0	0	0	1	12
<i>Ceratopogonidae</i> sp.	28	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	11	0	3	2	0	0	0	0
		Core	Sub	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Bowmaniella</i> <i>floridana</i>	25	Core	Int	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	3	10	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Dicrotendipes</i> <i>tritonus</i>	23	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	3	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	1	0	3	0	0	0
<i>Nemertea</i> spp.	23	Core	Int	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	1	2	1	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	1	0	3	0	1	3	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	1

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3
Coelotanypus sp.	22	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	-	0	0	1	4	1	0	0	0	0	0
Paraprionospio pinnata	21	Core	Int	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	1	0	6	0	6	3	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Cyclaspis pustulata	20	Core	Int	0	0	0	0	0	0	0	0	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Tellina versicolor	20	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	4	1	0	0	0	0	4	1	2	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Nudibranchia sp.	19	Core	Int	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	6	11	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Capitella capitata	17	Core	Int	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	4	0	0	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Gastropoda sp.	16	Core	Int	4	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
		Core	Sub	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
Mytilopsis leucophaeata	16	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	15

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC	
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
<i>Tanytarsus</i> sp. O	16	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	3	4	0	0	0	0	0
<i>Sphaeriidae</i> sp.	15	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Vitrinellidae</i> sp.	15	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Exosphaeroma diminuta</i>	14	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	6	1	0	0	0	0	1	0	2	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Penaeus</i> sp.	14	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Platyctenida</i> sp.	14	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
<i>Polypedilum halterale</i> gp.	13	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
		Swp	Int	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	2	0	3	0	0	0	0	0
<i>Stenelmis</i> sp.	13	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	2	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC	
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4	
Argissidae sp.	12	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	
Erichsonella sp.	12	Core	Int	7	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	
Oecetis inconspicua complex sp. A	12	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	2	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	2	0	2	0	0	0	0	0
Pseudochironomus sp.	12	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	1	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	-	0	0	0	2	0	0	0	0	0	0	0
Spiochaetopterus costarum	12	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia mallochi	10	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	8	0	0	0	0	0	0	0
Bezzia/Palmpomyia sp.	9	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	5	0	2	0	0	0	0	0
Callibaetis floridanus	9	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	2	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
<i>Cyclostremiscus</i> sp.	9	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Hirudinea</i> sp.	9	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	2	0	1	1	0	0	0	0
<i>Osteichthyes</i> sp.	9	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Rhithropanopeus harrisii</i>	9	Core	Int	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	1	1	0
<i>Corixidae</i> sp.	8	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Erichthonius brasiliensis</i>	8	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Glottidia pyramidata</i>	8	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	7	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Laevicardium mortoni</i>	8	Core	Int	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3
<i>Dicrotendipes neomodestus</i>	7	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	1	0	0	0	0	0
<i>Odostomia</i> sp.	7	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Platyhelminthes</i> sp.	7	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	-	0	0	0	1	0	0	0	0	1	0
<i>Amphicteis gunneri</i>	6	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Coelotanypus concinnus</i>	6	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	5	0	0	0	0
<i>Gitanopsis laguna</i>	6	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Tanytarsus</i> sp.	6	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1	0	0	0	0
<i>Tricorythodes albilineatus</i>	6	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	6	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
Assiminea succinea	5	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Caridea sp.	5	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Palaemonetes pugio	5	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Limulus polyphemus	4	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Nemertea sp. F	4	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Oecetis sp. E	4	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	0	1	0	0	0
Xenanthura brevitelson	4	Core	Int	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Amakusanthura magnifica	3	Core	Int	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
Boonea impressa	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Coelotanypus cf. concinnus	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Cryptotendipes sp.	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	3	0	0	0	0
Eteone heteropoda	3	Core	Int	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Macoma tenta	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Odostomia cf. gibbosa	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	1	0	0	0	0	0	0	0	0	0
Polydora sp.	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3
<i>Scolecopsis texana</i>	3	Core	Int	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Tanytarsus</i> sp. K	3	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	0	0	0	0	0
<i>Almyracuma</i> nr. <i>proximoculae</i>	2	Core	Int	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
<i>Asychis elongata</i>	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
<i>Caenis</i> sp.	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Hymenoptera sp.	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1	0	0	0	0
<i>Oecetis</i> sp. A	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC	
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
Orthoclaadiinae sp.	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Paralauterborniella nigrohalterale	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Penaeidae sp.	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Rictaxis punctostriatus	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Setodes sp.	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Talitridae sp.	2	Core	Int	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Turbonilla sp.	2	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3
Ancyliidae sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Argia tibialis	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Athenaria sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Boccardiella sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Capitellidae sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Cladotanytarsus sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0
Coelotanypus tricolor	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	1	0	0	0	0	0
Coenagrionidae sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3	4
Curculionidae sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Dasyhelea sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Dineutus sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	1	0	0	0	0
Diopatra cuprea	1	Core	Int	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Djalmabatista pulchra variant	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia vittata	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Eulimastoma sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3
<i>Glycera</i> sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
<i>Glycera americana</i>	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
Gomphidae sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	1	0	0
<i>Heteromastus filiformis</i>	1	Core	Int	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
<i>Hourstonius laguna</i>	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	0	0	0	0	0	0	0	0
<i>Ischnura</i> sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
Libellulidae sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1	0	0	0
<i>Macoma constricta</i>	1	Core	Int	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0

Table 4. Continued.

[illegible]

Table 4. Continued.

Taxon/Species	Total Num	River		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	MC	MC	MC	MC
		Kilometer		0	2	4	6	8	10	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	42	44	1	2	3
<i>Procladius</i> sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	0	0	0	0
<i>Procladius</i> (<i>Holotanypus</i>) sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
<i>Stenacron</i> <i>interpunctatum</i>	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1	0	0	0
<i>Stenochironomus</i> sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	1	0	0	0	0	0	0
<i>Sthenelais</i> sp. A	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
<i>Tanypus</i> sp.	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	0	0	0	0
<i>Tanytarsus</i> cf. sp. Q	1	Core	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
<i>Tellina alternata</i>	1	Core	Int	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Core	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Swp	Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0

Table 5. Total Number of Individuals (Ranked by Species Abundance) for each Station, Sample Type and Depth. Myakka River Dry Season (June, 2004).

River Kilometer	Sample Location	Sample Type	Species	Individuals
M-0	Deep	Core	<i>Pectinaria gouldii</i>	42
M-0	Deep	Core	<i>Rudilemboides naglei</i>	29
M-0	Deep	Core	<i>Mysella planulata</i>	21
M-0	Deep	Core	<i>Amygdalum papyrium</i>	18
M-0	Deep	Core	Bivalvia	10
M-0	Deep	Core	<i>Cyclaspis varians</i>	8
M-0	Deep	Core	<i>Mulinia lateralis</i>	8
M-0	Deep	Core	<i>Spiochaetopterus costarum</i>	8
M-0	Deep	Core	<i>Tellina</i>	8
M-0	Deep	Core	<i>Glottidia pyramidata</i>	7
M-0	Deep	Core	<i>Acteocina canaliculata</i>	4
M-0	Deep	Core	<i>Neanthes succinea</i>	3
M-0	Deep	Core	Argissidae	2
M-0	Deep	Core	<i>Astyris lunata</i>	2
M-0	Deep	Core	<i>Macoma tenta</i>	2
M-0	Deep	Core	<i>Asychis elongata</i>	1
M-0	Deep	Core	Caprellidae	1
M-0	Deep	Core	<i>Edotea montosa</i>	1
M-0	Deep	Core	Gastropoda	1
M-0	Deep	Core	<i>Glycera americana</i>	1
M-0	Deep	Core	<i>Melinna maculata</i>	1
M-0	Deep	Core	<i>Nemertea sp. F</i>	1
M-0	Deep	Core	<i>Paraprionospio pinnata</i>	1
M-0	Deep	Core	<i>Sthenelais sp. A</i>	1
M-0	Deep	Core	<i>Turbonilla</i>	1
M-0	Deep	Core	<i>Xenanthura brevitelson</i>	1
M-0	Deep	Swp	<i>Bemlos</i>	18
M-0	Deep	Swp	<i>Haminoea succinea</i>	9
M-0	Deep	Swp	<i>Mulinia lateralis</i>	7
M-0	Deep	Swp	Nudibranchia	6
M-0	Deep	Swp	<i>Mysella planulata</i>	4
M-0	Deep	Swp	Vitrinellidae	4
M-0	Deep	Swp	<i>Acteocina canaliculata</i>	3
M-0	Deep	Swp	<i>Amygdalum papyrium</i>	3
M-0	Deep	Swp	Caprellidae	3
M-0	Deep	Swp	<i>Odostomia cf. gibbosa</i>	3

Table 5. Continued.

M-0	Deep	Swp	Argissidae	2
M-0	Deep	Swp	<i>Astyris lunata</i>	1
M-0	Deep	Swp	<i>Bowmaniella floridana</i>	1
M-0	Deep	Swp	<i>Oxyurostylis smithi</i>	1
M-0	Deep	Swp	<i>Tagelus plebeius</i>	1
M-0	Deep	Swp	<i>Tellina</i>	1
M-0	Int	Core	<i>Mysella planulata</i>	9
M-0	Int	Core	<i>Erichsonella</i>	7
M-0	Int	Core	<i>Neanthes succinea</i>	7
M-0	Int	Core	Gastropoda	4
M-0	Int	Core	<i>Bittium varium</i>	3
M-0	Int	Core	<i>Acteocina canaliculata</i>	2
M-0	Int	Core	<i>Laevicardium mortoni</i>	2
M-0	Int	Core	<i>Astyris lunata</i>	1
M-0	Int	Core	<i>Leptochela</i>	1
M-0	Int	Core	<i>Macoma constricta</i>	1
M-0	Int	Core	<i>Mesanthura floridensis</i>	1
M-0	Int	Core	Oligochaeta	1
M-0	Int	Core	<i>Rhithropanopeus harrisii</i>	1
M-0	Int	Core	<i>Tagelus plebeius</i>	1
M-0	Int	Swp	<i>Bittium varium</i>	458
M-0	Int	Swp	<i>Astyris lunata</i>	76
M-0	Int	Swp	<i>Acteocina canaliculata</i>	7
M-0	Int	Swp	<i>Grandidierella bonnieroides</i>	6
M-0	Int	Swp	<i>Boonea impressa</i>	1
M-0	Int	Swp	<i>Erichsonella filiformis</i>	1
M-0	Int	Swp	<i>Laevicardium mortoni</i>	1
M-0	Int	Swp	<i>Nassarius vibex</i>	1
M-0	Int	Swp	<i>Neanthes succinea</i>	1

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Table 5. Continued.

M-10	Deep	Core	<i>Cyclaspis varians</i>	33
M-10	Deep	Core	<i>Tellina</i>	6
M-10	Deep	Core	<i>Mysella planulata</i>	4
M-10	Deep	Core	<i>Pectinaria gouldii</i>	4
M-10	Deep	Core	<i>Acteocina canaliculata</i>	2
M-10	Deep	Core	<i>Amygdalum papyrium</i>	2
M-10	Deep	Core	<i>Neanthes succinea</i>	2
M-10	Deep	Core	<i>Ampelisca</i>	1
M-10	Deep	Core	<i>Eulimastoma</i>	1
M-10	Deep	Core	<i>Glycinde solitaria</i>	1
M-10	Deep	Swp	<i>Tellina</i>	76
M-10	Deep	Swp	<i>Mulinia lateralis</i>	52
M-10	Deep	Swp	<i>Amygdalum papyrium</i>	32
M-10	Deep	Swp	<i>Glycinde solitaria</i>	24
M-10	Deep	Swp	<i>Pectinaria gouldii</i>	21
M-10	Deep	Swp	<i>Neanthes succinea</i>	7
M-10	Deep	Swp	<i>Paraprionospio pinnata</i>	6
M-10	Deep	Swp	<i>Acteocina canaliculata</i>	4
M-10	Deep	Swp	<i>Ampelisca</i>	4
M-10	Deep	Swp	<i>Mysella planulata</i>	4
M-10	Deep	Swp	Nemertea	3
M-10	Deep	Swp	<i>Tagelus plebeius</i>	3
M-10	Deep	Swp	Xanthidae	3
M-10	Deep	Swp	<i>Grandidierella bonnieroides</i>	2
M-10	Deep	Swp	<i>Mesanthura floridensis</i>	2
M-10	Deep	Swp	<i>Mysidopsis almyra</i>	2
M-10	Deep	Swp	<i>Polymesoda caroliniana</i>	2
M-10	Deep	Swp	<i>Edotea montosa</i>	1
M-10	Deep	Swp	<i>Erichsonella filiformis</i>	1
M-10	Deep	Swp	<i>Glycera</i>	1
M-10	Deep	Swp	<i>Streblospio benedicti</i>	1
M-10	Int	Core	<i>Cyclaspis varians</i>	67
M-10	Int	Core	<i>Polymesoda caroliniana</i>	18
M-10	Int	Core	<i>Pectinaria gouldii</i>	14
M-10	Int	Core	<i>Ampelisca</i>	7
M-10	Int	Core	<i>Tellina</i>	7
M-10	Int	Core	<i>Oxyurostylis smithi</i>	6
M-10	Int	Core	<i>Tagelus plebeius</i>	5
M-10	Int	Core	<i>Mesanthura floridensis</i>	3
M-10	Int	Core	<i>Mysella planulata</i>	3

Table 5. Continued.

M-10	Int	Core	Oedicerotidae	3
M-10	Int	Core	<i>Amygdalum papyrium</i>	2
M-10	Int	Core	<i>Neanthes succinea</i>	2
M-10	Int	Core	<i>Glycinde solitaria</i>	1
M-10	Int	Core	<i>Mulinia lateralis</i>	1
M-10	Int	Core	<i>Scolecopsis texana</i>	1
M-10	Int	Core	<i>Streblospio benedicti</i>	1
M-10	Int	Swp	<i>Tellina</i>	47
M-10	Int	Swp	<i>Tagelus plebeius</i>	34
M-10	Int	Swp	<i>Pectinaria gouldii</i>	18
M-10	Int	Swp	<i>Amygdalum papyrium</i>	17
M-10	Int	Swp	Oedicerotidae	17
M-10	Int	Swp	<i>Ampelisca</i>	16
M-10	Int	Swp	<i>Polymesoda caroliniana</i>	16
M-10	Int	Swp	<i>Glycinde solitaria</i>	4
M-10	Int	Swp	<i>Acteocina canaliculata</i>	3
M-10	Int	Swp	<i>Capitella capitata</i>	3
M-10	Int	Swp	<i>Grandidierella bonnieroides</i>	3
M-10	Int	Swp	Nemertea	3
M-10	Int	Swp	<i>Erichsonella filiformis</i>	2
M-10	Int	Swp	<i>Mesanthura floridensis</i>	2
M-10	Int	Swp	<i>Mulinia lateralis</i>	2
M-10	Int	Swp	<i>Edotea montosa</i>	1
M-10	Int	Swp	<i>Gammarus</i>	1
M-10	Int	Swp	<i>Neanthes succinea</i>	1
M-10	Int	Swp	<i>Streblospio benedicti</i>	1

Table 5. Continued.

M-12	Deep	Core	<i>Cyclaspis varians</i>	18
M-12	Deep	Core	<i>Ampelisca</i>	5
M-12	Deep	Core	<i>Tellina</i>	3
M-12	Deep	Core	<i>Amygdalum papyrium</i>	1
M-12	Deep	Core	Nemertea	1
M-12	Deep	Core	<i>Pectinaria gouldii</i>	1
M-12	Deep	Core	<i>Coelotanypus</i>	1
M-12	Deep	Swp	<i>Tellina</i>	27
M-12	Deep	Swp	<i>Cyclaspis varians</i>	24
M-12	Deep	Swp	<i>Ampelisca</i>	15
M-12	Deep	Swp	<i>Pectinaria gouldii</i>	9
M-12	Deep	Swp	<i>Glycinde solitaria</i>	6
M-12	Deep	Swp	<i>Mulinia lateralis</i>	6
M-12	Deep	Swp	<i>Paraprionospio pinnata</i>	6
M-12	Deep	Swp	Xanthidae	6
M-12	Deep	Swp	<i>Acteocina canaliculata</i>	5
M-12	Deep	Swp	<i>Mysella planulata</i>	5
M-12	Deep	Swp	<i>Neanthes succinea</i>	4
M-12	Deep	Swp	<i>Amygdalum papyrium</i>	1
M-12	Deep	Swp	Hydrobiidae	1
M-12	Deep	Swp	Nemertea	1
M-12	Deep	Swp	<i>Odostomia</i>	1
M-12	Deep	Swp	<i>Oxyurostylis smithi</i>	1
M-12	Int	Core	<i>Tagelus plebeius</i>	10
M-12	Int	Core	<i>Cyclaspis varians</i>	9
M-12	Int	Core	<i>Pectinaria gouldii</i>	8
M-12	Int	Core	<i>Tellina</i>	6
M-12	Int	Core	Hydrobiidae	5
M-12	Int	Core	<i>Mysella planulata</i>	3
M-12	Int	Core	<i>Polymesoda caroliniana</i>	3
M-12	Int	Core	<i>Streblospio benedicti</i>	3
M-12	Int	Core	<i>Amygdalum papyrium</i>	2
M-12	Int	Core	Talitridae	2
M-12	Int	Core	<i>Bemlos</i>	1
M-12	Int	Core	<i>Glycinde solitaria</i>	1
M-12	Int	Core	<i>Laeonereis culveri</i>	1
M-12	Int	Core	<i>Mesanthura floridensis</i>	1
M-12	Int	Swp	<i>Polymesoda caroliniana</i>	60
M-12	Int	Swp	<i>Cyclaspis varians</i>	30
M-12	Int	Swp	<i>Mysidopsis almyra</i>	30

Table 5. Continued.

M-12	Int	Swp	<i>Amygdalum papyrium</i>	27
M-12	Int	Swp	<i>Oxyurostylis smithi</i>	26
M-12	Int	Swp	<i>Tagelus plebeius</i>	25
M-12	Int	Swp	Hydrobiidae	21
M-12	Int	Swp	<i>Edotea montosa</i>	12
M-12	Int	Swp	<i>Tellina</i>	12
M-12	Int	Swp	Xanthidae	9
M-12	Int	Swp	Caprellidae	8
M-12	Int	Swp	<i>Ampelisca</i>	6
M-12	Int	Swp	<i>Gammarus</i>	6
M-12	Int	Swp	<i>Erichsonella filiformis</i>	5
M-12	Int	Swp	<i>Mesanthura floridensis</i>	4
M-12	Int	Swp	<i>Glycinde solitaria</i>	3
M-12	Int	Swp	<i>Capitella capitata</i>	2
M-12	Int	Swp	<i>Grandidierella bonnieroides</i>	2
M-12	Int	Swp	<i>Eteone heteropoda</i>	1
M-12	Int	Swp	<i>Neanthes succinea</i>	1
M-12	Int	Swp	Osteichthyes	1

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Table 5. Continued.

M-14	Deep	Core	<i>Ampelisca</i>	12
M-14	Deep	Core	<i>Streblospio benedicti</i>	3
M-14	Deep	Core	<i>Glycinde solitaria</i>	1
M-14	Deep	Core	<i>Grandidierella bonnieroides</i>	1
M-14	Deep	Core	Nemertea	1
M-14	Deep	Core	Oligochaeta	1
M-14	Deep	Core	<i>Cladotanytarsus cf. davies</i>	1
M-14	Deep	Swp	<i>Glycinde solitaria</i>	16
M-14	Deep	Swp	<i>Tellina</i>	15
M-14	Deep	Swp	<i>Coelotanypus</i>	14
M-14	Deep	Swp	Xanthidae	13
M-14	Deep	Swp	<i>Streblospio benedicti</i>	7
M-14	Deep	Swp	<i>Neanthes succinea</i>	6
M-14	Deep	Swp	<i>Acteocina canaliculata</i>	4
M-14	Deep	Swp	<i>Tellina versicolor</i>	4
M-14	Deep	Swp	<i>Mysidopsis almyra</i>	3
M-14	Deep	Swp	Nemertea	3
M-14	Deep	Swp	<i>Paraprionospio pinnata</i>	3
M-14	Deep	Swp	<i>Pectinaria gouldii</i>	2
M-14	Deep	Swp	<i>Ampelisca</i>	1
M-14	Deep	Swp	Caprellidae	1
M-14	Deep	Swp	<i>Cyclaspis varians</i>	1
M-14	Deep	Swp	<i>Grandidierella bonnieroides</i>	1
M-14	Deep	Swp	<i>Mesanthura floridensis</i>	1
M-14	Deep	Swp	<i>Tagelus plebeius</i>	1
M-14	Int	Core	<i>Tellina</i>	6
M-14	Int	Core	<i>Mesanthura floridensis</i>	4
M-14	Int	Core	<i>Tagelus plebeius</i>	4
M-14	Int	Core	<i>Polymesoda caroliniana</i>	3
M-14	Int	Core	<i>Ampelisca</i>	2
M-14	Int	Core	<i>Amygdalum papyrium</i>	1
M-14	Int	Core	<i>Cyclaspis varians</i>	1
M-14	Int	Core	<i>Scolecopsis texana</i>	1
M-14	Int	Core	<i>Streblospio benedicti</i>	1
M-14	Int	Swp	Hydrobiidae	473
M-14	Int	Swp	<i>Polymesoda caroliniana</i>	118
M-14	Int	Swp	<i>Tagelus plebeius</i>	25
M-14	Int	Swp	<i>Amygdalum papyrium</i>	22
M-14	Int	Swp	<i>Tellina</i>	11
M-14	Int	Swp	<i>Pectinaria gouldii</i>	7

Table 5. Continued.

M-14	Int	Swp	Xanthidae	7
M-14	Int	Swp	<i>Ampelisca</i>	6
M-14	Int	Swp	<i>Oxyurostylis smithi</i>	6
M-14	Int	Swp	<i>Bowmaniella floridana</i>	5
M-14	Int	Swp	Caprellidae	5
M-14	Int	Swp	<i>Gammarus</i>	5
M-14	Int	Swp	<i>Streblospio benedicti</i>	5
M-14	Int	Swp	<i>Grandidierella bonnieroides</i>	3
M-14	Int	Swp	<i>Mesanthura floridensis</i>	3
M-14	Int	Swp	<i>Neanthes succinea</i>	3
M-14	Int	Swp	Oedicerotidae	3
M-14	Int	Swp	<i>Glycinde solitaria</i>	2
M-14	Int	Swp	<i>Capitella capitata</i>	1
M-14	Int	Swp	<i>Eteone heteropoda</i>	1
M-14	Int	Swp	Nemertea	1
M-14	Int	Swp	Osteichthyes	1
M-14	Int	Swp	<i>Rictaxis punctostriatus</i>	1

Table 5. Continued.

M-16	Deep	Core	<i>Polymesoda caroliniana</i>	41
M-16	Deep	Core	<i>Grandidierella bonnieroides</i>	16
M-16	Deep	Core	<i>Neanthes succinea</i>	10
M-16	Deep	Core	<i>Corophium</i>	4
M-16	Deep	Core	<i>Gitanopsis laguna</i>	4
M-16	Deep	Core	Xanthidae	4
M-16	Deep	Core	<i>Cyclaspis pustulata</i>	3
M-16	Deep	Core	<i>Tellina</i>	3
M-16	Deep	Core	Bivalvia	1
M-16	Deep	Core	<i>Mesanthura floridensis</i>	1
M-16	Deep	Core	<i>Mysidopsis almyra</i>	1
M-16	Deep	Core	<i>Pectinaria gouldii</i>	1
M-16	Deep	Core	<i>Tagelus plebeius</i>	1
M-16	Deep	Swp	<i>Polymesoda caroliniana</i>	27
M-16	Deep	Swp	<i>Grandidierella bonnieroides</i>	25
M-16	Deep	Swp	<i>Mysidopsis almyra</i>	24
M-16	Deep	Swp	Xanthidae	10
M-16	Deep	Swp	<i>Cyclaspis varians</i>	4
M-16	Deep	Swp	<i>Tellina</i>	3
M-16	Deep	Swp	<i>Edotea montosa</i>	1
M-16	Deep	Swp	<i>Neanthes succinea</i>	1
M-16	Deep	Swp	<i>Tellina versicolor</i>	1
M-16	Int	Core	<i>Grandidierella bonnieroides</i>	43
M-16	Int	Core	<i>Polymesoda caroliniana</i>	36
M-16	Int	Core	Hydrobiidae	22
M-16	Int	Core	<i>Cyclaspis pustulata</i>	16
M-16	Int	Core	<i>Edotea montosa</i>	3
M-16	Int	Core	<i>Laeonereis culveri</i>	3
M-16	Int	Core	Nemertea	3
M-16	Int	Core	<i>Tellina</i>	3
M-16	Int	Core	<i>Mesanthura floridensis</i>	2
M-16	Int	Core	<i>Streblospio benedicti</i>	2
M-16	Int	Core	<i>Tagelus plebeius</i>	2
M-16	Int	Core	<i>Ampelisca</i>	1
M-16	Int	Core	Bivalvia	1
M-16	Int	Core	Gastropoda	1
M-16	Int	Core	<i>Neanthes succinea</i>	1
M-16	Int	Core	<i>Pectinaria gouldii</i>	1
M-16	Int	Core	<i>Tellina alternata</i>	1
M-16	Int	Core	<i>Cryptochironomus</i>	1

Table 5. Continued.

M-16	Int	Swp	Hydrobiidae	347
M-16	Int	Swp	<i>Polymesoda caroliniana</i>	114
M-16	Int	Swp	<i>Mysidopsis almyra</i>	7
M-16	Int	Swp	<i>Gammarus</i>	5
M-16	Int	Swp	Xanthidae	4
M-16	Int	Swp	<i>Grandidierella bonnieroides</i>	3
M-16	Int	Swp	<i>Odostomia</i>	2
M-16	Int	Swp	<i>Amygdalum papyrium</i>	1
M-16	Int	Swp	<i>Corophium</i>	1

Table 5. Continued.

M-18	Deep	Core	<i>Grandidierella bonnieroides</i>	16
M-18	Deep	Core	<i>Laeonereis culveri</i>	3
M-18	Deep	Core	<i>Corophium</i>	2
M-18	Deep	Core	<i>Cyclaspis varians</i>	2
M-18	Deep	Core	<i>Polymesoda caroliniana</i>	2
M-18	Deep	Core	<i>Tellina</i>	2
M-18	Deep	Core	<i>Edotea montosa</i>	1
M-18	Deep	Core	<i>Streblospio benedicti</i>	1
M-18	Deep	Core	<i>Tagelus plebeius</i>	1
M-18	Deep	Core	Xanthidae	1
M-18	Deep	Swp	<i>Polymesoda caroliniana</i>	27
M-18	Deep	Swp	<i>Laeonereis culveri</i>	8
M-18	Deep	Swp	<i>Edotea montosa</i>	5
M-18	Deep	Swp	<i>Mesanthura floridensis</i>	5
M-18	Deep	Swp	Hydrobiidae	4
M-18	Deep	Swp	<i>Rangia cuneata</i>	4
M-18	Deep	Swp	<i>Corophium</i>	2
M-18	Deep	Swp	<i>Streblospio benedicti</i>	2
M-18	Deep	Swp	<i>Tellina versicolor</i>	2
M-18	Deep	Swp	<i>Neanthes succinea</i>	1
M-18	Deep	Swp	Platyhelminthes	1
M-18	Deep	Swp	<i>Tellina</i>	1
M-18	Int	Core	<i>Laeonereis culveri</i>	15
M-18	Int	Core	<i>Grandidierella bonnieroides</i>	6
M-18	Int	Core	<i>Polymesoda caroliniana</i>	3
M-18	Int	Core	<i>Tagelus plebeius</i>	3
M-18	Int	Core	<i>Almyracuma nr. proximoculae</i>	2
M-18	Int	Core	<i>Cyclaspis pustulata</i>	1
M-18	Int	Core	<i>Eteone heteropoda</i>	1
M-18	Int	Core	<i>Mesanthura floridensis</i>	1
M-18	Int	Core	<i>Streblospio benedicti</i>	1
M-18	Int	Swp	Hydrobiidae	418
M-18	Int	Swp	<i>Laeonereis culveri</i>	34
M-18	Int	Swp	<i>Polymesoda caroliniana</i>	26
M-18	Int	Swp	<i>Cyclaspis varians</i>	10
M-18	Int	Swp	Xanthidae	7
M-18	Int	Swp	<i>Corophium</i>	6
M-18	Int	Swp	<i>Edotea montosa</i>	5
M-18	Int	Swp	<i>Mysidopsis almyra</i>	5
M-18	Int	Swp	<i>Mesanthura floridensis</i>	4

Table 5. Continued.

M-18	Int	Swp	<i>Amphicteis gunneri</i>	2
M-18	Int	Swp	<i>Pectinaria gouldii</i>	2
M-18	Int	Swp	<i>Streblospio benedicti</i>	2
M-18	Int	Swp	<i>Amygdalum papyrium</i>	1
M-18	Int	Swp	<i>Corbicula fluminea</i>	1
M-18	Int	Swp	<i>Odostomia</i>	1
M-18	Int	Swp	Osteichthyes	1
M-18	Int	Swp	<i>Rangia cuneata</i>	1

Table 5. Continued.

M-2	Deep	Core	<i>Pectinaria gouldii</i>	12
M-2	Deep	Core	<i>Mulinia lateralis</i>	5
M-2	Deep	Core	<i>Mysella planulata</i>	4
M-2	Deep	Core	<i>Spiochaetopterus costarum</i>	3
M-2	Deep	Core	<i>Acteocina canaliculata</i>	2
M-2	Deep	Core	Gastropoda	2
M-2	Deep	Core	<i>Glycinde solitaria</i>	2
M-2	Deep	Core	<i>Tellina</i>	2
M-2	Deep	Core	<i>Asychis elongata</i>	1
M-2	Deep	Core	Athenaria	1
M-2	Deep	Core	<i>Bittium varium</i>	1
M-2	Deep	Core	Bivalvia	1
M-2	Deep	Core	<i>Macoma tenta</i>	1
M-2	Deep	Core	Oligochaeta	1
M-2	Deep	Swp	<i>Astyris lunata</i>	18
M-2	Deep	Swp	<i>Acteocina canaliculata</i>	11
M-2	Deep	Swp	<i>Haminoea succinea</i>	11
M-2	Deep	Swp	Nudibranchia	11
M-2	Deep	Swp	Vitrinellidae	11
M-2	Deep	Swp	<i>Mulinia lateralis</i>	7
M-2	Deep	Swp	<i>Amygdalum papyrium</i>	4
M-2	Deep	Swp	<i>Pectinaria gouldii</i>	4
M-2	Deep	Swp	<i>Tellina</i>	3
M-2	Deep	Swp	<i>Bittium varium</i>	2
M-2	Deep	Swp	Xanthidae	2
M-2	Deep	Swp	<i>Cyclaspis varians</i>	1
M-2	Deep	Swp	<i>Glycinde solitaria</i>	1
M-2	Deep	Swp	<i>Laevicardium mortoni</i>	1
M-2	Deep	Swp	<i>Penaeus</i>	1
M-2	Int	Core	<i>Cyclaspis varians</i>	16
M-2	Int	Core	<i>Capitella capitata</i>	5
M-2	Int	Core	<i>Mysella planulata</i>	3
M-2	Int	Core	<i>Oxyurostylis smithi</i>	3
M-2	Int	Core	<i>Pectinaria gouldii</i>	3
M-2	Int	Core	<i>Acteocina canaliculata</i>	2
M-2	Int	Core	<i>Diopatra cuprea</i>	1
M-2	Int	Core	Gastropoda	1
M-2	Int	Core	<i>Heteromastus filiformis</i>	1
M-2	Int	Core	<i>Mulinia lateralis</i>	1
M-2	Int	Core	<i>Xenanthura brevitelson</i>	1

Table 5. Continued.

M-2	Int	Swp	<i>Acteocina canaliculata</i>	45
M-2	Int	Swp	<i>Gammarus</i>	15
M-2	Int	Swp	<i>Astyris lunata</i>	14
M-2	Int	Swp	<i>Penaeus</i>	12
M-2	Int	Swp	<i>Mulinia lateralis</i>	11
M-2	Int	Swp	<i>Amygdalum papyrium</i>	9
M-2	Int	Swp	<i>Bemlos</i>	9
M-2	Int	Swp	<i>Erichsonella filiformis</i>	9
M-2	Int	Swp	<i>Haminoea succinea</i>	9
M-2	Int	Swp	<i>Bittium varium</i>	5
M-2	Int	Swp	<i>Erichthonius brasiliensis</i>	4
M-2	Int	Swp	<i>Bowmaniella floridana</i>	3
M-2	Int	Swp	<i>Mysella planulata</i>	3
M-2	Int	Swp	Oedicerotidae	3
M-2	Int	Swp	Caprellidae	2
M-2	Int	Swp	<i>Cyclaspis varians</i>	2
M-2	Int	Swp	<i>Mysidopsis almyra</i>	2
M-2	Int	Swp	<i>Boonea impressa</i>	1
M-2	Int	Swp	<i>Glycinde solitaria</i>	1
M-2	Int	Swp	<i>Laevicardium mortoni</i>	1
M-2	Int	Swp	Nemertea	1
M-2	Int	Swp	<i>Pectinaria gouldii</i>	1
M-2	Int	Swp	Xanthidae	1

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Table 5. Continued.

M-20	Deep	Core	<i>Grandidierella bonnieroides</i>	39
M-20	Deep	Core	<i>Polymesoda caroliniana</i>	30
M-20	Deep	Core	<i>Streblospio benedicti</i>	4
M-20	Deep	Core	<i>Gitanopsis laguna</i>	2
M-20	Deep	Core	<i>Laeonereis culveri</i>	2
M-20	Deep	Core	<i>Amygdalum papyrium</i>	1
M-20	Deep	Core	Capitellidae	1
M-20	Deep	Core	<i>Corophium</i>	1
M-20	Deep	Core	<i>Mesanthura floridensis</i>	1
M-20	Deep	Core	<i>Pectinaria gouldii</i>	1
M-20	Deep	Core	Platyhelminthes	1
M-20	Deep	Core	<i>Tellina</i>	1
M-20	Deep	Core	Xanthidae	1
M-20	Deep	Swp	<i>Grandidierella bonnieroides</i>	24
M-20	Deep	Swp	<i>Polymesoda caroliniana</i>	19
M-20	Deep	Swp	<i>Mysidopsis almyra</i>	14
M-20	Deep	Swp	Xanthidae	7
M-20	Deep	Swp	<i>Corophium</i>	3
M-20	Deep	Swp	<i>Mesanthura floridensis</i>	3
M-20	Deep	Swp	<i>Rangia cuneata</i>	3
M-20	Deep	Swp	<i>Edotea montosa</i>	2
M-20	Deep	Swp	<i>Streblospio benedicti</i>	2
M-20	Int	Core	<i>Grandidierella bonnieroides</i>	6
M-20	Int	Core	<i>Mesanthura floridensis</i>	4
M-20	Int	Core	<i>Laeonereis culveri</i>	3
M-20	Int	Core	<i>Polymesoda caroliniana</i>	2
M-20	Int	Core	Hydrobiidae	1
M-20	Int	Core	<i>Neanthes succinea</i>	1
M-20	Int	Swp	Hydrobiidae	477
M-20	Int	Swp	<i>Polymesoda caroliniana</i>	62
M-20	Int	Swp	<i>Streblospio benedicti</i>	9
M-20	Int	Swp	Xanthidae	6
M-20	Int	Swp	<i>Edotea montosa</i>	4
M-20	Int	Swp	<i>Taphromysis louisianae</i>	4
M-20	Int	Swp	Caridea	3
M-20	Int	Swp	<i>Exosphaeroma diminuta</i>	3
M-20	Int	Swp	<i>Corophium</i>	2
M-20	Int	Swp	<i>Mysidopsis almyra</i>	2
M-20	Int	Swp	Osteichthyes	1
M-20	Int	Swp	Platyhelminthes	1

Table 5. Continued.

M-22	Deep	Core	<i>Grandidierella bonnieroides</i>	62
M-22	Deep	Core	Hydrobiidae	31
M-22	Deep	Core	<i>Corophium</i>	24
M-22	Deep	Core	<i>Streblospio benedicti</i>	9
M-22	Deep	Core	<i>Edotea montosa</i>	3
M-22	Deep	Core	Xanthidae	3
M-22	Deep	Core	<i>Amphicteis gunneri</i>	2
M-22	Deep	Core	<i>Mesanthura floridensis</i>	1
M-22	Deep	Core	<i>Rangia cuneata</i>	1
M-22	Deep	Swp	<i>Corophium</i>	30
M-22	Deep	Swp	Xanthidae	12
M-22	Deep	Swp	Hydrobiidae	8
M-22	Deep	Swp	<i>Edotea montosa</i>	5
M-22	Deep	Swp	<i>Streblospio benedicti</i>	3
M-22	Deep	Swp	<i>Laeonereis culveri</i>	2
M-22	Deep	Swp	<i>Tellina</i>	2
M-22	Deep	Swp	<i>Amphicteis gunneri</i>	1
M-22	Deep	Swp	<i>Amygdalum papyrium</i>	1
M-22	Deep	Swp	<i>Hourstonius laguna</i>	1
M-22	Deep	Swp	<i>Mysidopsis almyra</i>	1
M-22	Deep	Swp	<i>Polydora</i>	1
M-22	Deep	Swp	<i>Polymesoda caroliniana</i>	1
M-22	Int	Core	<i>Grandidierella bonnieroides</i>	6
M-22	Int	Core	<i>Laeonereis culveri</i>	5
M-22	Int	Core	Hydrobiidae	1
M-22	Int	Core	<i>Mesanthura floridensis</i>	1
M-22	Int	Core	<i>Polymesoda caroliniana</i>	1
M-22	Int	Core	Xanthidae	1
M-22	Int	Core	<i>Cryptochironomus</i>	1
M-22	Int	Swp	Hydrobiidae	142
M-22	Int	Swp	<i>Polymesoda caroliniana</i>	27
M-22	Int	Swp	<i>Streblospio benedicti</i>	21
M-22	Int	Swp	Xanthidae	8
M-22	Int	Swp	<i>Taphromysis louisianae</i>	4
M-22	Int	Swp	Caridea	2
M-22	Int	Swp	<i>Edotea montosa</i>	2

Table 5. Continued.

M-24	Deep	Core	<i>Grandidierella bonnieroides</i>	36
M-24	Deep	Core	Hydrobiidae	15
M-24	Deep	Core	<i>Corophium</i>	14
M-24	Deep	Core	<i>Laeonereis culveri</i>	3
M-24	Deep	Core	<i>Edotea montosa</i>	2
M-24	Deep	Core	<i>Corbicula fluminea</i>	1
M-24	Deep	Core	<i>Polymesoda caroliniana</i>	1
M-24	Deep	Core	<i>Cryptochironomus</i>	1
M-24	Deep	Swp	<i>Laeonereis culveri</i>	23
M-24	Deep	Swp	Xanthidae	9
M-24	Deep	Swp	<i>Edotea montosa</i>	6
M-24	Deep	Swp	<i>Tellina</i>	2
M-24	Deep	Swp	<i>Cryptochironomus</i>	2
M-24	Deep	Swp	<i>Amygdalum papyrium</i>	1
M-24	Deep	Swp	<i>Rangia cuneata</i>	1
M-24	Int	Core	<i>Corophium</i>	33
M-24	Int	Core	<i>Grandidierella bonnieroides</i>	26
M-24	Int	Core	<i>Laeonereis culveri</i>	8
M-24	Int	Core	<i>Mesanthura floridensis</i>	3
M-24	Int	Core	<i>Polymesoda caroliniana</i>	2
M-24	Int	Core	<i>Cryptochironomus</i>	2
M-24	Int	Core	<i>Amphicteis gunneri</i>	1
M-24	Int	Core	Oligochaeta	1
M-24	Int	Core	Xanthidae	1
M-24	Int	Core	<i>Polypedilum scalaenum</i> gp.	1
M-24	Int	Swp	<i>Taphromysis louisianae</i>	6
M-24	Int	Swp	Xanthidae	5
M-24	Int	Swp	<i>Corophium</i>	1
M-24	Int	Swp	<i>Exosphaeroma diminuta</i>	1
M-24	Int	Swp	<i>Laeonereis culveri</i>	1

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Table 5. Continued.

M-26	Deep	Core	<i>Corophium</i>	34
M-26	Deep	Core	<i>Grandidierella bonnieroides</i>	27
M-26	Deep	Core	Hydrobiidae	15
M-26	Deep	Core	<i>Corbicula fluminea</i>	4
M-26	Deep	Core	Xanthidae	1
M-26	Deep	Swp	<i>Taphromysis louisianae</i>	20
M-26	Deep	Swp	<i>Grandidierella bonnieroides</i>	11
M-26	Deep	Swp	Xanthidae	9
M-26	Deep	Swp	<i>Corophium</i>	5
M-26	Deep	Swp	Hydrobiidae	4
M-26	Deep	Swp	<i>Corbicula fluminea</i>	2
M-26	Deep	Swp	<i>Gammarus</i>	2
M-26	Deep	Swp	Bivalvia	1
M-26	Deep	Swp	<i>Laeonereis culveri</i>	1
M-26	Int	Core	<i>Grandidierella bonnieroides</i>	59
M-26	Int	Core	Oligochaeta	10
M-26	Int	Core	<i>Laeonereis culveri</i>	9
M-26	Int	Core	<i>Corophium</i>	7
M-26	Int	Core	<i>Polymesoda caroliniana</i>	2
M-26	Int	Core	Xanthidae	2
M-26	Int	Core	<i>Gammarus</i>	1
M-26	Int	Core	Platyhelminthes	1
M-26	Int	Swp	<i>Edotea montosa</i>	15
M-26	Int	Swp	Xanthidae	8
M-26	Int	Swp	<i>Laeonereis culveri</i>	3
M-26	Int	Swp	<i>Polymesoda caroliniana</i>	3
M-26	Int	Swp	Penaeidae	2
M-26	Int	Swp	<i>Oxyurostylis smithi</i>	1

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Table 5. Continued.

M-28	Deep	Core	<i>Corophium</i>	86
M-28	Deep	Core	<i>Grandidierella bonnieroides</i>	31
M-28	Deep	Core	<i>Corbicula fluminea</i>	22
M-28	Deep	Core	Bivalvia	2
M-28	Deep	Core	<i>Cryptochironomus</i>	2
M-28	Deep	Core	Ceratopogonidae	1
M-28	Deep	Core	<i>Polydora</i>	1
M-28	Deep	Core	Xanthidae	1
M-28	Deep	Core	<i>Polypedilum scalaenum</i> gp.	1
M-28	Int	Core	<i>Grandidierella bonnieroides</i>	19
M-28	Int	Core	<i>Corophium</i>	16
M-28	Int	Core	Oligochaeta	2
M-28	Int	Core	Xanthidae	1
M-28	Int	Swp	Xanthidae	20
M-28	Int	Swp	<i>Laeonereis culveri</i>	2
M-28	Int	Swp	<i>Polymesoda caroliniana</i>	1

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Table 5. Continued.

M-30	Deep	Core	<i>Corophium</i>	62
M-30	Deep	Core	<i>Gammarus</i>	10
M-30	Deep	Core	<i>Grandidierella bonnieroides</i>	6
M-30	Deep	Core	<i>Corbicula fluminea</i>	5
M-30	Deep	Core	Oligochaeta	3
M-30	Deep	Core	Xanthidae	3
M-30	Deep	Core	Bivalvia	1
M-30	Deep	Core	Hydrobiidae	1
M-30	Deep	Core	Nemertea	1
M-30	Deep	Swp	<i>Mysidopsis almyra</i>	15
M-30	Deep	Swp	<i>Gammarus</i>	11
M-30	Deep	Swp	<i>Grandidierella bonnieroides</i>	2
M-30	Deep	Swp	<i>Taphromysis louisianae</i>	2
M-30	Deep	Swp	<i>Corbicula fluminea</i>	1
M-30	Deep	Swp	<i>Corophium</i>	1
M-30	Deep	Swp	Xanthidae	1
M-30	Int	Core	Oligochaeta	20
M-30	Int	Core	<i>Gammarus</i>	5
M-30	Int	Core	<i>Corbicula fluminea</i>	4
M-30	Int	Core	<i>Corophium</i>	4
M-30	Int	Core	Hydrobiidae	4
M-30	Int	Core	Ceratopogonidae	2
M-30	Int	Core	<i>Grandidierella bonnieroides</i>	2
M-30	Int	Core	<i>Tanytarsus cf. sp. Q</i>	1
M-30	Int	Swp	Xanthidae	6
M-30	Int	Swp	<i>Mysidopsis almyra</i>	4
M-30	Int	Swp	<i>Grandidierella bonnieroides</i>	2
M-30	Int	Swp	<i>CALLIBAETIS FLORIDANUS</i>	2

Table 5. Continued.

M-32	Deep	Core	<i>Corophium</i>	42
M-32	Deep	Core	Oligochaeta	3
M-32	Deep	Core	<i>Cladotanytarsus cf. davies</i>	2
M-32	Deep	Core	<i>Gammarus</i>	1
M-32	Deep	Core	Hydrobiidae	1
M-32	Deep	Swp	<i>Taphromysis louisianae</i>	3
M-32	Deep	Swp	Hydrobiidae	2
M-32	Deep	Swp	<i>Corophium</i>	1
M-32	Deep	Swp	<i>Gammarus</i>	1
M-32	Deep	Swp	<i>Grandidierella bonnieroides</i>	1
M-32	Deep	Swp	Oligochaeta	1
M-32	Deep	Swp	Xanthidae	1
M-32	Deep	Swp	<i>Oecetis</i>	1
M-32	Int	Core	Oligochaeta	10
M-32	Int	Core	Hydrobiidae	6
M-32	Int	Core	<i>Dasyhelea</i>	1
M-32	Int	Core	<i>Polypedilum halterale gp.</i>	1
M-32	Int	Core	<i>Polypedilum scalaenum gp.</i>	1
M-32	Int	Swp	<i>Caenis hilaris</i>	13
M-32	Int	Swp	<i>Exosphaeroma diminuta</i>	6
M-32	Int	Swp	Oligochaeta	3
M-32	Int	Swp	Xanthidae	3
M-32	Int	Swp	<i>Oecetis inconspicua complex sp. A</i>	3
M-32	Int	Swp	<i>Pseudochironomus</i>	2
M-32	Int	Swp	<i>Corophium</i>	1
M-32	Int	Swp	<i>Coelotanypus cf. concinnus</i>	1
M-32	Int	Swp	<i>Dicrotendipes neomodestus</i>	1
M-32	Int	Swp	<i>Djalmabatista pulchra variant</i>	1
M-32	Int	Swp	<i>Ischnura</i>	1
M-32	Int	Swp	<i>Oecetis sp. E</i>	1

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Table 5. Continued.

M-34	Deep	Core	Oligochaeta	5
M-34	Deep	Core	<i>Corbicula fluminea</i>	3
M-34	Deep	Swp	<i>Mysidopsis almyra</i>	20
M-34	Deep	Swp	<i>Taphromysis louisianae</i>	20
M-34	Deep	Swp	<i>Corophium</i>	3
M-34	Deep	Swp	Oligochaeta	2
M-34	Deep	Swp	<i>Corbicula fluminea</i>	1
M-34	Deep	Swp	<i>Gammarus</i>	1
M-34	Deep	Swp	Xanthidae	1
M-34	Deep	Swp	<i>Caenis hilaris</i>	1
M-34	Deep	Swp	<i>Coelotanypus</i>	1
M-34	Deep	Swp	<i>Stenochironomus</i>	1
M-34	Int	Core	Oligochaeta	23
M-34	Int	Core	<i>Corbicula fluminea</i>	3
M-34	Int	Core	Ceratopogonidae	2
M-34	Int	Core	Hydrobiidae	1
M-34	Int	Core	<i>Polypedilum halterale</i> gp.	1
M-34	Int	Swp	<i>CALLIBAETIS FLORIDANUS</i>	5
M-34	Int	Swp	<i>Oecetis inconspicua complex</i> sp. A	3
M-34	Int	Swp	Oligochaeta	2
M-34	Int	Swp	<i>Coelotanypus cf. concinnus</i>	2
M-34	Int	Swp	<i>Dicrotendipes tritonus</i>	2
M-34	Int	Swp	<i>Oecetis</i> sp. A	2
M-34	Int	Swp	<i>Corbicula fluminea</i>	1
M-34	Int	Swp	<i>Exosphaeroma diminuta</i>	1
M-34	Int	Swp	<i>Gammarus</i>	1
M-34	Int	Swp	Xanthidae	1
M-34	Int	Swp	<i>Ablabesmyia (Karelia)</i>	1
M-34	Int	Swp	<i>Argia tibialis</i>	1
M-34	Int	Swp	<i>Caenis hilaris</i>	1
M-34	Int	Swp	Coenagrionidae	1
M-34	Int	Swp	Curculionidae	1
M-34	Int	Swp	<i>Dicrotendipes neomodestus</i>	1
M-34	Int	Swp	<i>Oecetis</i> sp. E	1
M-34	Int	Swp	<i>Pseudochironomus</i>	1

Table 5. Continued.

M-36	Deep	Core	Oligochaeta	12
M-36	Deep	Core	<i>Corbicula fluminea</i>	5
M-36	Deep	Core	<i>Dicrotendipes tritonus</i>	3
M-36	Deep	Core	<i>Pseudochironomus</i>	2
M-36	Deep	Core	<i>Gammarus</i>	1
M-36	Deep	Core	Hydrobiidae	1
M-36	Deep	Core	<i>Taphromysis louisianae</i>	1
M-36	Deep	Core	Xanthidae	1
M-36	Deep	Core	<i>Ablabesmyia mallochi</i>	1
M-36	Deep	Core	<i>Procladius (Holotanypus)</i>	1
M-36	Deep	Core	<i>Tanytarsus sp. O</i>	1
M-36	Deep	Swp	<i>Corbicula fluminea</i>	14
M-36	Deep	Swp	<i>Ablabesmyia mallochi</i>	8
M-36	Deep	Swp	<i>Bezzia/Palmpomyia</i>	5
M-36	Deep	Swp	<i>Procloeon Viridocularis</i>	5
M-36	Deep	Swp	Oligochaeta	4
M-36	Deep	Swp	<i>Coelotanypus</i>	4
M-36	Deep	Swp	Hirudinea	2
M-36	Deep	Swp	Xanthidae	2
M-36	Deep	Swp	<i>CALLIBAETIS FLORIDANUS</i>	2
M-36	Deep	Swp	<i>Oecetis inconspicua complex sp. A</i>	2
M-36	Deep	Swp	<i>Polypedilum halterale gp.</i>	2
M-36	Deep	Swp	<i>Pseudochironomus</i>	2
M-36	Deep	Swp	Platyhelminthes	1
M-36	Deep	Swp	<i>Ablabesmyia</i>	1
M-36	Deep	Swp	<i>Ablabesmyia (Karelia)</i>	1
M-36	Deep	Swp	<i>Brachycercus maculatus</i>	1
M-36	Deep	Swp	<i>Coelotanypus concinnus</i>	1
M-36	Deep	Swp	<i>Dicrotendipes tritonus</i>	1
M-36	Deep	Swp	<i>Oecetis sp. E</i>	1
M-36	Deep	Swp	<i>Procladius</i>	1
M-36	Deep	Swp	<i>Tanypus</i>	1
M-36	Deep	Swp	<i>Tanytarsus sp. O</i>	1
M-36	Int	Core	Oligochaeta	54
M-36	Int	Core	Ceratopogonidae	11
M-36	Int	Core	Bivalvia	4
M-36	Int	Core	<i>Cryptochironomus</i>	2
M-36	Int	Core	Orthocladiinae	2
M-36	Int	Core	<i>Corbicula fluminea</i>	1
M-36	Int	Core	<i>Taphromysis louisianae</i>	1

Table 5. Continued.

M-36	Int	Core	<i>Cladotanytarsus</i>	1
M-36	Int	Core	<i>Paralauterborniella nigrohalterale</i>	1
M-36	Int	Swp	<i>Dicrotendipes tritonus</i>	10
M-36	Int	Swp	Osteichthyes	4
M-36	Int	Swp	<i>Dicrotendipes neomodestus</i>	3
M-36	Int	Swp	Oligochaeta	2
M-36	Int	Swp	<i>Cryptochironomus</i>	2
M-36	Int	Swp	Ancylidae	1
M-36	Int	Swp	Hirudinea	1

Table 5. Continued.

M-38	Deep	Core	Oligochaeta	20
M-38	Deep	Core	<i>Gammarus</i>	8
M-38	Deep	Core	<i>Corbicula fluminea</i>	5
M-38	Deep	Core	<i>Taphromysis louisianae</i>	1
M-38	Deep	Core	<i>Cryptochironomus</i>	1
M-38	Deep	Core	<i>Pseudochironomus</i>	1
M-38	Deep	Swp	<i>Tanytarsus sp. O</i>	3
M-38	Deep	Swp	<i>Corbicula fluminea</i>	1
M-38	Deep	Swp	<i>Coelotanypus</i>	1
M-38	Deep	Swp	<i>Coelotanypus tricolor</i>	1
M-38	Deep	Swp	<i>Dicrotendipes neomodestus</i>	1
M-38	Deep	Swp	<i>Dicrotendipes tritonus</i>	1
M-38	Int	Core	Oligochaeta	25
M-38	Int	Core	Gastropoda	1
M-38	Int	Swp	<i>Taphromysis louisianae</i>	8
M-38	Int	Swp	<i>Dicrotendipes tritonus</i>	3
M-38	Int	Swp	<i>Oecetis</i>	2
M-38	Int	Swp	Oligochaeta	1
M-38	Int	Swp	<i>Bezzia/Palmpomyia</i>	1
M-38	Int	Swp	<i>Dicrotendipes neomodestus</i>	1
M-38	Int	Swp	Ephemeroptera	1
M-38	Int	Swp	<i>Polypedilum scalaenum gp.</i>	1
M-38	Int	Swp	<i>Pseudochironomus</i>	1

Table 5. Continued.

M-4	Deep	Core	<i>Mysella planulata</i>	21
M-4	Deep	Core	<i>Mulinia lateralis</i>	20
M-4	Deep	Core	<i>Pectinaria gouldii</i>	8
M-4	Deep	Core	<i>Amygdalum papyrium</i>	4
M-4	Deep	Core	<i>Cyclaspis varians</i>	2
M-4	Deep	Core	<i>Acteocina canaliculata</i>	1
M-4	Deep	Core	<i>Neanthes succinea</i>	1
M-4	Deep	Core	<i>Nemertea sp. F</i>	1
M-4	Deep	Core	<i>Spiochaetopterus costarum</i>	1
M-4	Deep	Core	<i>Turbonilla</i>	1
M-4	Deep	Core	<i>Xenanthura brevitelson</i>	1
M-4	Deep	Swp	<i>Mulinia lateralis</i>	118
M-4	Deep	Swp	<i>Haminoea succinea</i>	74
M-4	Deep	Swp	Platyctenida	14
M-4	Deep	Swp	<i>Acteocina canaliculata</i>	7
M-4	Deep	Swp	<i>Ampelisca</i>	6
M-4	Deep	Swp	Argissidae	6
M-4	Deep	Swp	<i>Cyclaspis varians</i>	6
M-4	Deep	Swp	<i>Pectinaria gouldii</i>	6
M-4	Deep	Swp	<i>Cyclostremiscus</i>	5
M-4	Deep	Swp	Gastropoda	4
M-4	Deep	Swp	<i>Tellina versicolor</i>	4
M-4	Deep	Swp	<i>Amygdalum papyrium</i>	3
M-4	Deep	Swp	<i>Oxyurostylis smithi</i>	3
M-4	Deep	Swp	Xanthidae	3
M-4	Deep	Swp	<i>Mysella planulata</i>	2
M-4	Deep	Swp	<i>Astyris lunata</i>	1
M-4	Deep	Swp	<i>Bemlos</i>	1
M-4	Deep	Swp	Caprellidae	1
M-4	Deep	Swp	<i>Laevicardium mortoni</i>	1
M-4	Deep	Swp	<i>Mysidopsis almyra</i>	1
M-4	Deep	Swp	<i>Streblospio benedicti</i>	1
M-4	Int	Core	<i>Mysella planulata</i>	8
M-4	Int	Core	<i>Polymesoda caroliniana</i>	8
M-4	Int	Core	<i>Erichsonella</i>	5
M-4	Int	Core	Oligochaeta	4
M-4	Int	Core	<i>Amygdalum papyrium</i>	3
M-4	Int	Core	<i>Bowmaniella floridana</i>	3
M-4	Int	Core	<i>Mesanthura floridensis</i>	3
M-4	Int	Core	Gastropoda	2

Table 5. Continued.

M-4	Int	Core	<i>Mulinia lateralis</i>	2
M-4	Int	Core	<i>Astyris lunata</i>	1
M-4	Int	Core	<i>Capitella capitata</i>	1
M-4	Int	Core	<i>Cyclaspis varians</i>	1
M-4	Int	Core	<i>Gammarus</i>	1
M-4	Int	Core	<i>Neanthes succinea</i>	1
M-4	Int	Core	Nudibranchia	1
M-4	Int	Core	<i>Pectinaria gouldii</i>	1
M-4	Int	Core	<i>Tellina</i>	1
M-4	Int	Swp	<i>Mysella planulata</i>	26
M-4	Int	Swp	<i>Tagelus plebeius</i>	14
M-4	Int	Swp	<i>Cyclaspis varians</i>	13
M-4	Int	Swp	<i>Amygdalum papyrium</i>	10
M-4	Int	Swp	<i>Bowmaniella floridana</i>	10
M-4	Int	Swp	<i>Erichsonella filiformis</i>	9
M-4	Int	Swp	<i>Mysidopsis almyra</i>	9
M-4	Int	Swp	<i>Acteocina canaliculata</i>	8
M-4	Int	Swp	Oedicerotidae	7
M-4	Int	Swp	<i>Tellina</i>	7
M-4	Int	Swp	<i>Glycinde solitaria</i>	6
M-4	Int	Swp	<i>Mulinia lateralis</i>	6
M-4	Int	Swp	<i>Haminoea succinea</i>	5
M-4	Int	Swp	<i>Capitella capitata</i>	4
M-4	Int	Swp	Caprellidae	4
M-4	Int	Swp	<i>Limulus polyphemus</i>	4
M-4	Int	Swp	<i>Pectinaria gouldii</i>	3
M-4	Int	Swp	<i>Gammarus</i>	2
M-4	Int	Swp	Nemertea	2
M-4	Int	Swp	<i>Polymesoda caroliniana</i>	2
M-4	Int	Swp	<i>Ampelisca</i>	1
M-4	Int	Swp	Argissidae	1
M-4	Int	Swp	<i>Astyris lunata</i>	1
M-4	Int	Swp	<i>Bemlos</i>	1
M-4	Int	Swp	<i>Laevicardium mortoni</i>	1
M-4	Int	Swp	<i>Mesanthura floridensis</i>	1
M-4	Int	Swp	Nudibranchia	1
M-4	Int	Swp	<i>Scolecipis texana</i>	1
M-4	Int	Swp	<i>Xenanthura brevitelson</i>	1

Table 5. Continued.

M-40	Deep	Core	Oligochaeta	24
M-40	Deep	Core	<i>Gammarus</i>	4
M-40	Deep	Core	Bivalvia	2
M-40	Deep	Core	<i>Setodes</i>	2
M-40	Deep	Core	Ceratopogonidae	1
M-40	Deep	Core	Hydrobiidae	1
M-40	Deep	Core	<i>Pseudochironomus</i>	1
M-40	Deep	Swp	<i>Taphromysis louisianae</i>	304
M-40	Deep	Swp	<i>Stenelmis</i>	9
M-40	Deep	Swp	Oligochaeta	4
M-40	Deep	Swp	<i>Caenis</i>	2
M-40	Deep	Swp	<i>Cladotanytarsus cf. davies</i>	1
M-40	Deep	Swp	<i>Dubiraphia vittata</i>	1
M-40	Deep	Swp	<i>Nyctiophylax</i>	1
M-40	Deep	Swp	<i>Pseudochironomus</i>	1
M-40	Int	Core	<i>Polypedilum scalaenum gp.</i>	9
M-40	Int	Core	<i>Cladotanytarsus cf. davies</i>	8
M-40	Int	Core	Oligochaeta	3
M-40	Int	Core	<i>Corbicula fluminea</i>	2
M-40	Int	Core	Bivalvia	1
M-40	Int	Core	Hydrobiidae	1
M-40	Int	Swp	<i>Gammarus</i>	18
M-40	Int	Swp	<i>Polypedilum scalaenum gp.</i>	17
M-40	Int	Swp	Oligochaeta	11
M-40	Int	Swp	<i>Cladotanytarsus cf. davies</i>	11
M-40	Int	Swp	<i>Corbicula fluminea</i>	1
M-40	Int	Swp	<i>Polypedilum halterale gp.</i>	1

Table 5. Continued.

M-42	Deep	Core	Oligochaeta	11
M-42	Deep	Core	<i>Tanytarsus sp. K</i>	3
M-42	Deep	Core	<i>Corbicula fluminea</i>	1
M-42	Deep	Core	Hydrobiidae	1
M-42	Deep	Core	<i>Cryptochironomus</i>	1
M-42	Deep	Swp	<i>Procloeon Viridocularis</i>	43
M-42	Deep	Swp	<i>Caenis hilaris</i>	18
M-42	Deep	Swp	<i>Brachycercus maculatus</i>	15
M-42	Deep	Swp	<i>Coelotanypus concinnus</i>	5
M-42	Deep	Swp	<i>Tanytarsus sp. O</i>	4
M-42	Deep	Swp	<i>Cladotanytarsus cf. davies</i>	3
M-42	Deep	Swp	<i>Cryptotendipes</i>	3
M-42	Deep	Swp	<i>Polypedilum halterale gp.</i>	3
M-42	Deep	Swp	<i>Bezzia/Palmpomyia</i>	2
M-42	Deep	Swp	<i>Oecetis inconspicua complex sp. A</i>	2
M-42	Deep	Swp	<i>Corbicula fluminea</i>	1
M-42	Deep	Swp	Hirudinea	1
M-42	Deep	Swp	<i>Cryptochironomus</i>	1
M-42	Deep	Swp	Hymenoptera	1
M-42	Deep	Swp	Libellulidae	1
M-42	Deep	Swp	<i>Tanytarsus</i>	1
M-42	Int	Core	Oligochaeta	20
M-42	Int	Core	<i>Taphromysis louisianae</i>	6
M-42	Int	Core	Bivalvia	3
M-42	Int	Core	Ceratopogonidae	3
M-42	Int	Core	<i>Polypedilum halterale gp.</i>	2
M-42	Int	Core	<i>Polypedilum scalaenum gp.</i>	2
M-42	Int	Core	<i>Tanytarsus</i>	2
M-42	Int	Core	<i>Corbicula fluminea</i>	1
M-42	Int	Core	<i>Paralauterborniella nigrohalterale</i>	1
M-42	Int	Swp	<i>Procloeon Viridocularis</i>	26
M-42	Int	Swp	<i>Cladotanytarsus cf. davies</i>	8
M-42	Int	Swp	Corixidae	5
M-42	Int	Swp	<i>Polypedilum scalaenum gp.</i>	5
M-42	Int	Swp	<i>Brachycercus maculatus</i>	3
M-42	Int	Swp	<i>Tanytarsus</i>	3
M-42	Int	Swp	Oligochaeta	2
M-42	Int	Swp	<i>Bezzia/Palmpomyia</i>	1
M-42	Int	Swp	<i>Caenis hilaris</i>	1
M-42	Int	Swp	<i>Cryptochironomus</i>	1
M-42	Int	Swp	Hymenoptera	1
M-42	Int	Swp	<i>Tanytarsus sp. O</i>	1

Table 5. Continued.

M-44	Deep	Core	<i>Cladotanytarsus cf. davies</i>	15
M-44	Deep	Core	Oligochaeta	13
M-44	Deep	Core	Bivalvia	8
M-44	Deep	Core	<i>Polypedilum scalaenum gp.</i>	7
M-44	Deep	Core	Ceratopogonidae	6
M-44	Deep	Core	<i>Polypedilum halterale gp.</i>	3
M-44	Deep	Core	<i>Tanytarsus sp. O</i>	3
M-44	Deep	Core	<i>Gammarus</i>	2
M-44	Deep	Core	Hydrobiidae	2
M-44	Deep	Core	Platyhelminthes	1
M-44	Deep	Core	Plecoptera	1
M-44	Deep	Core	<i>Taphromysis louisianae</i>	1
M-44	Deep	Core	<i>Ablabesmyia mallochi</i>	1
M-44	Deep	Core	<i>Cryptochironomus</i>	1
M-44	Deep	Core	<i>Nilothauma</i>	1
M-44	Deep	Swp	<i>Caenis hilaris</i>	134
M-44	Deep	Swp	<i>Brachycercus maculatus</i>	13
M-44	Deep	Swp	<i>Procloeon Viridocularis</i>	7
M-44	Deep	Swp	<i>Tricorythodes albilineatus</i>	6
M-44	Deep	Swp	<i>Dicrotendipes tritonus</i>	3
M-44	Deep	Swp	<i>Cladotanytarsus cf. davies</i>	2
M-44	Deep	Swp	<i>Stenelmis</i>	2
M-44	Deep	Swp	Hirudinea	1
M-44	Deep	Swp	Oligochaeta	1
M-44	Deep	Swp	<i>Dineutus</i>	1
M-44	Deep	Swp	Gomphidae	1
M-44	Deep	Swp	<i>Neureclipsis crepuscularis</i>	1
M-44	Deep	Swp	<i>Oecetis sp. E</i>	1
M-44	Deep	Swp	<i>Stenacron interpunctatum</i>	1
M-44	Int	Core	<i>Corbicula fluminea</i>	8
M-44	Int	Core	Oligochaeta	7
M-44	Int	Core	<i>Cladotanytarsus cf. davies</i>	7
M-44	Int	Core	Ceratopogonidae	2
M-44	Int	Core	<i>Tanytarsus sp. O</i>	1
M-44	Int	Swp	<i>Cladotanytarsus cf. davies</i>	60
M-44	Int	Swp	<i>Polypedilum scalaenum gp.</i>	50
M-44	Int	Swp	<i>Procloeon Viridocularis</i>	40
M-44	Int	Swp	Oligochaeta	24
M-44	Int	Swp	Sphaeriidae	15
M-44	Int	Swp	<i>Cryptochironomus</i>	15

Table 5. Continued.

M-44	Int	Swp	<i>Brachycercus maculatus</i>	11
M-44	Int	Swp	<i>Caenis hilaris</i>	8
M-44	Int	Swp	Corixidae	3
M-44	Int	Swp	<i>Oecetis inconspicua complex sp. A</i>	2
M-44	Int	Swp	<i>Stenelmis</i>	2
M-44	Int	Swp	<i>Tanytarsus sp. O</i>	2
M-44	Int	Swp	<i>Coelotanypus</i>	1
M-44	Int	Swp	<i>Pseudochironomus</i>	1

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Table 5. Continued.

M-6	Deep	Core	<i>Cyclaspis varians</i>	17
M-6	Deep	Core	<i>Pectinaria gouldii</i>	4
M-6	Deep	Core	<i>Ampelisca</i>	2
M-6	Deep	Core	<i>Streblospio benedicti</i>	2
M-6	Deep	Core	Argissidae	1
M-6	Deep	Core	<i>Neanthes succinea</i>	1
M-6	Deep	Core	<i>Oxyurostylis smithi</i>	1
M-6	Deep	Core	<i>Paraprionospio pinnata</i>	1
M-6	Deep	Core	<i>Rudilemboides naglei</i>	1
M-6	Deep	Swp	<i>Pectinaria gouldii</i>	25
M-6	Deep	Swp	<i>Cyclaspis varians</i>	23
M-6	Deep	Swp	<i>Ampelisca</i>	13
M-6	Deep	Swp	<i>Oxyurostylis smithi</i>	7
M-6	Deep	Swp	<i>Cyclostremiscus</i>	4
M-6	Deep	Swp	<i>Neanthes succinea</i>	4
M-6	Deep	Swp	<i>Glycinde solitaria</i>	3
M-6	Deep	Swp	<i>Tellina</i>	3
M-6	Deep	Swp	<i>Mulinia lateralis</i>	2
M-6	Deep	Swp	<i>Acteocina canaliculata</i>	1
M-6	Deep	Swp	<i>Amygdalum papyrium</i>	1
M-6	Deep	Swp	<i>Mysella planulata</i>	1
M-6	Deep	Swp	Nemertea	1
M-6	Deep	Swp	<i>Odostomia</i>	1
M-6	Deep	Swp	<i>Paraprionospio pinnata</i>	1
M-6	Deep	Swp	<i>Tellina versicolor</i>	1
M-6	Deep	Swp	<i>Turbonilla dalli</i>	1
M-6	Int	Core	<i>Oxyurostylis smithi</i>	7
M-6	Int	Core	Bivalvia	4
M-6	Int	Core	<i>Cyclaspis varians</i>	2
M-6	Int	Core	<i>Glycinde solitaria</i>	2
M-6	Int	Core	<i>Tellina</i>	2
M-6	Int	Core	<i>Acteocina canaliculata</i>	1
M-6	Int	Core	<i>Amygdalum papyrium</i>	1
M-6	Int	Core	<i>Paraprionospio pinnata</i>	1
M-6	Int	Core	<i>Pectinaria gouldii</i>	1
M-6	Int	Swp	<i>Amygdalum papyrium</i>	93
M-6	Int	Swp	<i>Haminoea succinea</i>	26
M-6	Int	Swp	<i>Cyclaspis varians</i>	20
M-6	Int	Swp	Caprellidae	11
M-6	Int	Swp	<i>Tellina</i>	11

Table 5. Continued.

M-6	Int	Swp	<i>Tellina versicolor</i>	8
M-6	Int	Swp	<i>Pectinaria gouldii</i>	7
M-6	Int	Swp	<i>Assimineia succinea</i>	5
M-6	Int	Swp	<i>Bemlos</i>	5
M-6	Int	Swp	<i>Acteocina canaliculata</i>	4
M-6	Int	Swp	<i>Bittium varium</i>	4
M-6	Int	Swp	<i>Glycinde solitaria</i>	3
M-6	Int	Swp	<i>Mulinia lateralis</i>	3
M-6	Int	Swp	<i>Erichsonella filiformis</i>	2
M-6	Int	Swp	<i>Mysella planulata</i>	2
M-6	Int	Swp	<i>Polymesoda caroliniana</i>	2
M-6	Int	Swp	<i>Laevicardium mortoni</i>	1
M-6	Int	Swp	Nemertea	1
M-6	Int	Swp	<i>Odostomia</i>	1
M-6	Int	Swp	Oedicerotidae	1
M-6	Int	Swp	<i>Penaeus</i>	1
M-6	Int	Swp	<i>Tagelus plebeius</i>	1

4.

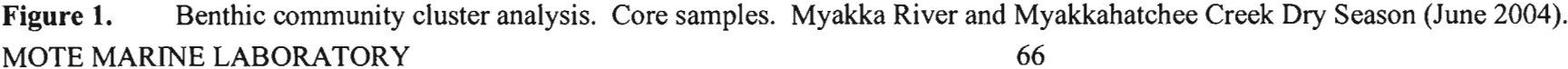
Table 5. Continued.

M-8	Deep	Core	<i>Cyclaspis varians</i>	114
M-8	Deep	Core	<i>Amygdalum papyrium</i>	7
M-8	Deep	Core	<i>Oxyurostylis smithi</i>	3
M-8	Deep	Core	<i>Amakusanthura magnifica</i>	2
M-8	Deep	Core	<i>Mysella planulata</i>	2
M-8	Deep	Core	<i>Nemertea sp. F</i>	2
M-8	Deep	Core	<i>Paraprionospio pinnata</i>	2
M-8	Deep	Core	<i>Bowmaniella floridana</i>	1
M-8	Deep	Core	<i>Capitella capitata</i>	1
M-8	Deep	Core	<i>Glottidia pyramidata</i>	1
M-8	Deep	Core	<i>Glycinde solitaria</i>	1
M-8	Deep	Core	<i>Mesanthura floridensis</i>	1
M-8	Deep	Core	<i>Mulinia lateralis</i>	1
M-8	Deep	Core	<i>Neanthes succinea</i>	1
M-8	Deep	Core	<i>Polymesoda caroliniana</i>	1
M-8	Deep	Swp	<i>Tellina</i>	18
M-8	Deep	Swp	<i>Cyclaspis varians</i>	11
M-8	Deep	Swp	<i>Pectinaria gouldii</i>	7
M-8	Deep	Swp	<i>Mulinia lateralis</i>	6
M-8	Deep	Swp	<i>Tagelus plebeius</i>	6
M-8	Deep	Swp	<i>Acteocina canaliculata</i>	4
M-8	Deep	Swp	<i>Amygdalum papyrium</i>	4
M-8	Deep	Swp	<i>Erichthonius brasiliensis</i>	4
M-8	Deep	Swp	<i>Mysidopsis almyra</i>	4
M-8	Deep	Swp	Xanthidae	3
M-8	Deep	Swp	<i>Bowmaniella floridana</i>	2
M-8	Deep	Swp	<i>Haminoea succinea</i>	2
M-8	Deep	Swp	<i>Oxyurostylis smithi</i>	2
M-8	Deep	Swp	<i>Ampelisca</i>	1
M-8	Deep	Swp	<i>Boonea impressa</i>	1
M-8	Deep	Swp	<i>Gammarus</i>	1
M-8	Deep	Swp	<i>Glycinde solitaria</i>	1
M-8	Deep	Swp	<i>Odostomia</i>	1
M-8	Int	Core	<i>Cyclaspis varians</i>	7
M-8	Int	Core	<i>Mesanthura floridensis</i>	3
M-8	Int	Core	<i>Tellina</i>	3
M-8	Int	Core	<i>Amakusanthura magnifica</i>	1
M-8	Int	Core	<i>Glycinde solitaria</i>	1
M-8	Int	Core	<i>Grandidierella bonnieroides</i>	1
M-8	Int	Core	<i>Pectinaria gouldii</i>	1

Table 5. Continued.

M-8	Int	Core	<i>Streblospio benedicti</i>	1
M-8	Int	Swp	<i>Tellina</i>	95
M-8	Int	Swp	<i>Amygdalum papyrium</i>	30
M-8	Int	Swp	<i>Streblospio benedicti</i>	21
M-8	Int	Swp	<i>Cyclaspis varians</i>	20
M-8	Int	Swp	<i>Pectinaria gouldii</i>	15
M-8	Int	Swp	<i>Tagelus plebeius</i>	12
M-8	Int	Swp	<i>Ampelisca</i>	6
M-8	Int	Swp	<i>Haminoea succinea</i>	6
M-8	Int	Swp	<i>Glycinde solitaria</i>	5
M-8	Int	Swp	<i>Oxyurostylis smithi</i>	4
M-8	Int	Swp	<i>Edotea montosa</i>	3
M-8	Int	Swp	<i>Mulinia lateralis</i>	3
M-8	Int	Swp	<i>Mysidopsis almyra</i>	3
M-8	Int	Swp	<i>Polymesoda caroliniana</i>	3
M-8	Int	Swp	<i>Mysella planulata</i>	2
M-8	Int	Swp	<i>Bittium varium</i>	1
M-8	Int	Swp	<i>Mesanthura floridensis</i>	1
M-8	Int	Swp	<i>Rictaxis punctostriatus</i>	1

3



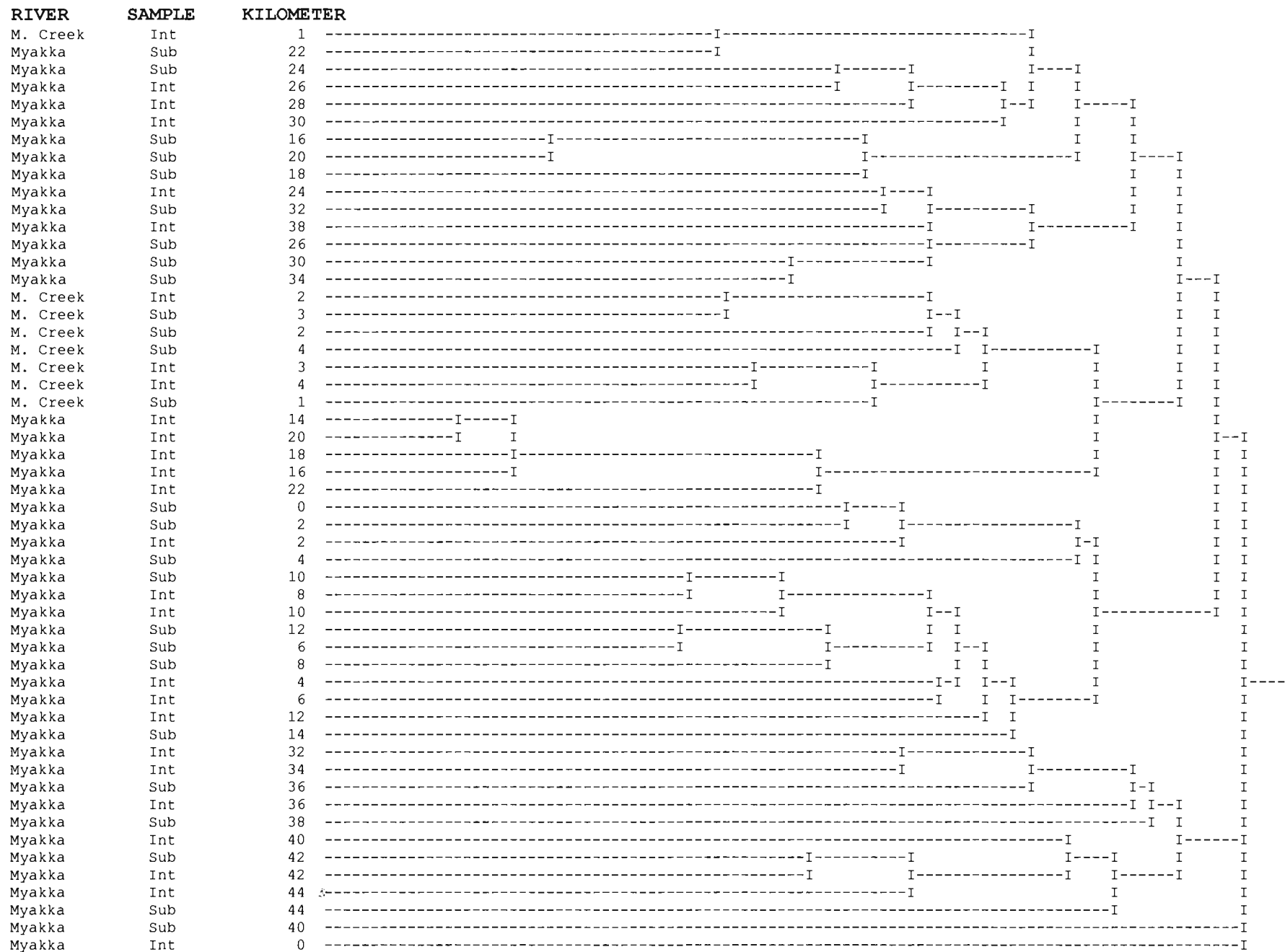


Figure 2. Benthic community cluster analysis. Sweep samples. Myakka River and Myakkahatchee Creek Dry Season (June 2004).