Appendix 3 – Biology: benthic community data

This Appendix consists of data tables of species abundance and biomass which were the basis of the wide range of analyses carried out by workshop participants studying benthic community structure.

Tables 1 and 2. Macrofaunal samples from Field sites A to E and G in Frierfjord and Langesundfjord (for locations see Fig. 2 of Follum & Moe 1988). Four 0.1 m² replicate Day grabs for each site were sieved at 1 mm, and species abundance (numbers per 0.1 m²) and biomass (mg per 0.1 m²) were recorded by M. Aschan and I. Saanum (University of Oslo) and B. Rygg (Norwegian Institute for Water Research); Gray et al. (1988). In Table 2 note that biomass is quoted reduced by a factor of 10 (or sometimes 100) for the species which are biomass dominants.

Tables 3 and 4. Macrofaunal abundance and biomass from the 4 mesocosm basins C, L, M and H, representing a gradient of dosing levels of a Cu/diesel oil mixture (Bakke et al. 1988). Two 68 cm² cores (sieved at 1 mm) were taken from each of the 4 boxes of sediment transplanted to each basin. The data presented here are for pooled values from the duplicate cores. Analysis was again carried out at the University of Oslo (Gray et al. 1988).

Tables 5 to 7. Meiofaunal abundance at Field sites A to F, from Craib corer samples (24.6 cm²), sieved at 63 µm. At each site, 4 replicate cores were identified to major taxon level, 3 replicates for copepods and 2 for nematodes, by C. Heip, P. Herman, R. Huys, N. Smol and K. Van Holsbeke at the University of Gent (Belgium); Heip et al. (1988).

Tables 8 and 9. Meiofaunal abundance (nematodes and copepods) for samples from transplanted sediments in the mesocosms (11 wk exposure period). Four cores (28 cm²) were taken from each sampled box, pooled and 16 % subsampled (equivalent to abundance per 17.9 cm², sieved at 63 µm); 4 boxes were sampled per basin. All copepods were identified; the first 100 nematodes per sample were identified and counts scaled up to reflect the estimated total abundance over all species. Nematodes were identified by R. Warwick and copepods by M. Gee (Plymouth Marine Laboratory, U.K.); Warwick et al. (1988).

All references cited above are from this MEPS SPECIAL.

Table 1. Macrofaunal abundance from field sites

Species	A				B				C				D				E				G			
<i>Cerianthus lloyd</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	4	0	1	1	0
<i>Halicyptus</i> sp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Onchnesoma</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Phascolion strombi</i>	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Golfingia</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Holothuroidea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	5	3	0	1	1	1
<i>Nemertina</i> , indet.	12	6	8	6	40	6	19	7	0	14	12	13	0	0	3	4	9	1	4	1	2	0	2	3
<i>Polychaeta</i> , indet.	5	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	1	0
<i>Amaena trilobata</i>	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amphiteis gunneri</i>	0	0	0	0	4	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0
<i>Ampharetidae</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Anaitides groenlandica</i>	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>Anaitides</i> sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Apistobranchius tullbergi</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brada</i> sp.	3	1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	8	22	8	5	0	0	0	0
<i>Cautleriella killariensis</i>	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cautleriella</i> sp.	0	0	0	0	8	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Ceratocephale loveni</i>	0	1	0	0	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0
<i>Chaetozone setosa</i>	1	0	0	1	55	26	35	40	0	3	19	153	0	18	2	4	0	0	0	0	0	0	0	0
<i>Chone</i> sp.	0	0	0	0	2	0	7	2	0	4	4	12	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cossura longocirrata</i>	0	0	1	0	21	13	9	36	3	36	51	85	5	11	0	1	0	0	0	0	0	0	0	0
<i>Diplocirrus glaucus</i>	0	1	3	1	0	0	1	0	0	0	0	1	0	0	0	0	1	2	0	0	4	0	2	1
<i>Eteone</i> sp.	0	0	0	0	3	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Euchone analis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
<i>Euchone papillosa</i>	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycera alba</i>	0	2	0	3	0	0	3	2	0	0	0	0	0	1	0	1	0	0	1	3	1	0	0	0
<i>Glucinde nordmanni</i>	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 rouxi</i>	2	2	2	3	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
<i>Goniada maculata</i>	4	0	6	7	1	0	0	0	0	0	1	1	0	1	0	0	12	15	10	9	2	3	4	0
<i>Gyptis rosea</i>	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Harmothoe nodosa</i>	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Harmothoe sarsi</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	10	0	0	0
<i>Harmothoe</i> sp.	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hesionidae</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Heteromastus filiformis</i>	29	33	5	4	290	169	197	295	18	205	244	477	54	125	5	124	0	0	1	0	0	1	0	0
<i>Jasmineira</i> sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0
<i>Lanassa venusta</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Laonice cirrata</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lumbrineris scopa</i>	0	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Lumbrineris</i> sp.	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>Lysilla loveni</i>	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Maldanidae</i>	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>Mediomastus fragilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	8	4	5	8
<i>Melinna cristata</i>	0	0	0	1	9	4	12	2	4	14	13	14	1	3	3	3	0	0	0	0	0	0	0	0
<i>Mugil wahlbergi</i>	0	0	0	0	4	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0
<i>Myriocheile oculata</i>	3	1	1	1	74	10	44	18	2	20	41	45	1	1	0	0	14	11	12	20	19	28	31	24
<i>Nephtys ciliata</i>	0	0	1	0	6	1	3	1	0	0	1	2	1	4	0	0	0	0	0	0	0	0	0	0
<i>N. incisa</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>N. paradoxa</i>	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oligochaeta</i>	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ophelina acuminata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
<i>O. modesta</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0
<i>Ophelina</i> sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ophiodromus flexuosus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
<i>Orbena serrulata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Table 1 (continued). Macrofaunal abundance from field sites

Species	A				B				C				D				E				G			
<i>Paraonis gracilis</i>	8	7	16	4	1	3	0	0	1	0	5	0	5	2	2	3	3	0	0	0	0	0	0	0
<i>Paramphunome jeffreysii</i>	0	0	4	0	3	0	2	0	0	0	1	0	2	15	13	4	0	0	0	0	5	0	1	1
<i>Paraonis lyra</i>	1	0	0	1	14	5	5	6	0	6	6	9	2	15	2	10	5	0	3	0	0	0	0	0
<i>Pectinaria auricoma</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>P. belgica</i>	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>P. koreni</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pholoe minuta</i>	1	2	3	2	4	0	2	0	0	0	1	1	0	1	0	0	1	2	2	0	2	0	3	1
<i>Phylo norvegica</i>	0	0	0	0	1	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0
<i>Pilargis papillosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	4	1	6
<i>Polydora antennata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	0	0
<i>Polyphysia crassa</i>	1	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0
<i>Polycirrus plumosus</i>	4	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prionospio cirrifer</i>	0	0	0	0	0	2	1	0	0	0	1	0	1	4	0	2	38	68	69	87	2	2	2	1
<i>P. malmgreni</i>	3	3	6	4	14	3	5	10	1	3	6	18	0	5	0	6	10	14	13	15	7	4	0	5
<i>P. steenstrupi</i>	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>Prionospio sp.</i>	2	0	2	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Proclea graffii</i>	0	0	0	3	35	0	14	2	0	0	1	6	0	1	1	1	0	0	0	0	0	0	0	0
<i>Rhodine gracilior</i>	0	0	0	0	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>R. loveni</i>	2	2	6	11	0	0	1	0	1	1	0	0	1	1	1	2	0	0	0	0	0	0	0	0
<i>Sabellidae</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
<i>Scalibregma inflatum</i>	1	0	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scoloplos armiger</i>	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	3	1	0	3	4	4	1
<i>Sosane gracilis</i>	0	0	2	1	4	0	2	0	0	0	1	1	0	0	0	0	1	0	1	1	0	0	0	0
<i>S. sulcata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0
<i>Sphaerodorum flavum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
<i>Spiophanes kroyeri</i>	4	3	1	2	5	6	4	1	1	5	3	0	3	12	5	15	0	0	0	0	0	0	0	0
<i>Synelmis klatti</i>	1	0	0	0	0	2	1	4	1	1	0	0	0	0	0	0	1	0	1	2	2	2	2	3
<i>Terebellides stroemi</i>	0	0	0	0	3	0	1	0	0	0	1	1	0	0	0	2	0	0	1	0	0	0	0	1
<i>Tharyx marioni</i>	1	0	0	0	11	4	2	3	1	2	0	2	6	18	15	10	0	0	0	0	0	0	0	0
<i>Trichobranchus roseus</i>	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetoderma nitidulum</i>	1	0	2	0	1	0	0	0	0	0	0	0	0	1	0	0	5	1	1	1	0	1	1	0
<i>Nucula sulcata</i>	7	1	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>N. tenuis</i>	14	4	8	20	0	3	2	0	1	3	3	4	1	0	0	3	6	0	0	0	0	2	0	1
<i>N. nitida</i>	0	0	0	0	6	9	8	0	5	0	0	10	3	10	14	23	0	0	0	0	0	0	0	0
<i>Abra alba</i>	0	0	0	0	1	0	6	0	0	0	1	3	0	0	0	0	4	5	1	1	0	0	0	0
<i>A. nitida</i>	7	4	18	12	5	1	2	6	0	0	0	0	0	0	0	0	3	4	1	1	0	3	0	1
<i>Thyasira sp.</i>	1	4	3	11	7	0	3	2	0	0	0	3	1	8	5	13	62	102	93	69	66	68	52	36
<i>Thracia papyracea</i>	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mysella bidentata</i>	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	15	12	0	0	0	0
<i>Corbula gibba</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	27	20	13	33	46	13	4
<i>Parvicardium minimum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0
<i>Leda pernula</i>	0	0	0	0	0	0	0	0	3	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0
<i>Myrtea spinifera</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	8	5	5	6	4	5
<i>Natica spp.</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0
<i>Philina spp.</i>	5	2	4	2	0	0	0	0	0	0	0	0	0	1	0	0	4	3	1	0	0	0	1	0
<i>Ophisto., indet.</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5	4	3	6	0	0	1	0
<i>Labidoplax busku</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	81	100	120	80	8	19	2	8
<i>Echinocardium cordatum</i>	13	16	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	13	4
<i>Brissopsis lyrifera</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amphiura filiformis</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	134	163	155	118	1	0	0	0
<i>Astropecten sp.</i>	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>Calocaris macandreae</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amphipoda</i>	0	0	0	0	10	2	0	1	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
<i>Cumacea</i>	0	0	0	0	2	3	4	18	0	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0
<i>Crustacea, indet.</i>	1	0	0	2	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0

Table 2. Macrofaunal biomass from field sites

Species	A				B				C				D				E				G			
<i>Ceranthus lloydi</i> /10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146	99	35	81	0	30	14	0
<i>Halicryptus</i> sp.	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0
<i>Onchnesoma</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	50	0	0	0	0	0	0
<i>Phascolion strombi</i>	0	0	0	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Golfingia</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Holothuroidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	567	110	130	0	25	220	256
<i>Nemertina</i> , indet./10	1	41	391	1	5	1	2	1	0	2	2	2	0	0	1	0	28	0	6	5	1	0	4	1
<i>Polychaeta</i> , indet.	9	0	0	0	0	0	0	0	0	0	0	0	0	99	0	0	0	0	0	0	1	1	82	0
<i>Amaena trilobata</i>	144	14	234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amphiteis gunneri</i>	0	0	0	0	45	0	0	0	0	34	0	2	0	9	0	7	0	0	0	0	0	0	0	0
Ampharetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
<i>Anatides groenlandica</i>	0	0	0	7	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anatides</i> sp.	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>Apistobranchus tullbergi</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brada</i> sp.	15	19	1	28	0	0	0	0	0	0	0	0	0	0	0	0	40	90	32	27	0	0	0	0
<i>Caulierella killarzensis</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Caulierella</i> sp.	0	0	0	0	4	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Ceratocephale loveni</i>	0	73	0	0	0	0	1	0	0	12	0	0	0	0	13	0	0	0	0	0	0	0	0	0
<i>Chaetozona setosa</i>	2	0	0	2	253	84	107	246	0	5	69	413	0	94	5	4	0	0	0	0	0	0	0	0
<i>Chone</i> sp.	0	0	0	0	0	0	2	0	0	2	2	5	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cossura longocirrata</i>	0	0	0	0	4	3	3	11	1	9	15	29	1	1	0	0	0	0	0	0	0	0	0	0
<i>Diplocirrus glaucus</i>	0	14	22	10	0	0	9	0	0	0	0	8	0	0	0	0	1	3	0	0	32	0	9	1
<i>Eteone</i> sp.	0	0	0	0	19	0	0	2	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0
<i>Euchone analis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0
<i>Euchone papillosa</i>	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycera alba</i>	0	92	0	28	0	0	61	27	0	0	0	0	0	8	0	20	0	0	30	146	1	0	0	0
<i>Glycinde nordmanni</i>	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycera rouxi</i> /10	166	31	1	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	251	0	0	0	0
<i>Goniada maculata</i>	98	0	87	82	1	0	0	0	0	0	2	2	0	1	0	0	257	250	129	177	2	0	0	0
<i>Gyptus rosea</i>	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0
<i>Harmothoe nodosa</i>	0	0	0	0	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Harmothoe sarsi</i>	0	0	0	0	17	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
<i>Harmothoe</i> sp.	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionidae	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>Heteromastus filiformis</i> /10	6	7	1	0	56	45	41	80	4	49	41	105	15	32	15	26	0	0	0	0	0	0	0	0
<i>Jasmineira</i> sp.	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0
<i>Lanassa venusta</i>	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Laonice cirrata</i>	0	0	35	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lumbrineris scopia</i>	0	70	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
<i>Lumbrineris</i> sp.	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>Lysilla loveni</i>	0	0	0	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae	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>Mediomastus fragilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	6	5
<i>Megala wahlbergi</i>	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mytiloschele oculata</i>	27	8	2	0	388	96	219	187	16	223	621	276	2	1	0	0	378	246	286	418	265	299	341	318
<i>Nephtys ciliata</i> /10	0	0	3	0	503	79	254	22	0	0	69	322	18	63	0	0	0	0	0	0	0	0	0	0
<i>N. incisa</i>	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>N. eparadoca</i>	0	0	0	75	0	0	0	771	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oligochaeta</i>	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>Ophelia acuminata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0
<i>O. modesta</i>	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>Ophelia</i> sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Ophiodromus flexuosus</i>	0	0	3	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0
<i>Orbinia serrulata</i> /10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174	0	0	0	0	0	0

Table 2 (continued). Macrofaunal biomass from field sites

Species	A				B				C				D				E				G			
<i>Paraonis gracilis</i>	6	3	6	1	2	2	0	0	1	0	4	0	5	2	2	35	1	0	0	0	0	0	0	0
<i>Paramphionome jeffreysii</i>	0	0	3	0	2	0	2	0	0	0	1	0	5	39	69	7	0	0	0	0	14	0	3	3
<i>Paraonis lyra</i>	0	0	0	1	5	0	0	3	0	2	1	2	0	5	0	2	2	0	2	0	0	0	0	0
<i>Pectinana auricoma</i>	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
<i>P. belgica</i>	0	810	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>P. koreni</i>	0	0	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pholoe minuta</i>	1	3	16	9	4	0	1	0	0	0	2	2	0	0	0	0	2	1	2	0	7	0	7	5
<i>Phylo norvegica</i>	0	0	0	0	423	0	0	0	0	0	0	0	426	125	0	0	0	0	0	0	0	0	0	0
<i>Pilargis papillosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	7	11	24	2	16
<i>Polydora antennata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	5	0	0
<i>Polyphorus crassa</i>	989	0	201	547	0	0	0	0	0	0	0	0	0	0	0	0	789	157	0	0	0	0	0	0
<i>Polycirrus plumosus</i>	68	1	5	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prionspio cirrifer</i>	0	0	0	0	0	2	1	0	0	0	1	0	5	9	0	4	30	53	45	67	0	0	0	1
<i>P. malmgreni</i>	1	1	4	3	10	2	3	5	1	3	8	22	0	4	0	4	9	17	12	14	2	2	0	0
<i>P. steenstrupi</i>	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prionspio</i> sp.	1	0	2	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Proclea graftii</i>	0	0	0	33	37	0	7	1	0	0	1	2	0	5	3	12	0	0	0	0	0	0	0	0
<i>Rhodine gracilior</i>	0	0	0	0	56	188	27	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>R. loveni</i> /10	106	57	137	125	0	0	3	0	3	0	0	0	26	2	11	22	0	0	0	0	0	0	0	0
Sabellidae	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>Scalibregma inflatum</i>	15	0	1	13	10	0	0	0	0	0	0	1	0	0	28	0	0	0	0	0	0	0	0	0
<i>Scoloplos armiger</i>	0	0	0	0	33	0	0	2	0	0	0	0	0	0	0	0	9	4	1	0	5	1	10	5
<i>Sosane gracilis</i>	0	0	4	3	3	0	2	0	0	0	4	2	0	0	0	0	32	0	2	6	0	0	0	0
<i>S. sulcata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
<i>Sphaerodorum flavum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0
<i>Spiophanes kroyeri</i>	30	38	55	31	67	243	41	18	31	54	30	0	47	93	36	93	0	0	0	0	0	0	0	0
<i>Synelmis klatti</i>	2	0	0	0	0	32	1	3	2	1	0	0	0	0	0	0	3	0	1	2	1	2	1	3
<i>Terebellides stroemi</i>	0	0	0	0	48	0	0	0	0	0	3	2	0	0	0	2	0	0	5	0	0	0	0	52
<i>Tharyx marioni</i>	1	0	0	0	28	10	2	4	5	2	0	3	26	47	44	26	0	0	0	0	0	0	0	0
<i>Trichobranchius roseus</i>	5	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetoderma nitidulum</i>	15	0	40	0	35	0	0	0	0	0	0	0	0	18	0	0	40	37	37	5	7	5	3	0
<i>Nucula sulcata</i> /10	97	34	145	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>N. tenuis</i>	646	199	328	684	0	23	375	515	164	424	521	231	214	0	0	158	249	0	0	0	0	0	0	0
<i>N. nitida</i>	0	0	0	0	379	162	84	0	133	0	0	258	61	220	325	359	0	0	0	0	0	0	0	0
<i>Abra alba</i>	0	0	0	0	36	0	224	0	0	0	292	284	0	0	0	0	17	12	1	12	0	0	0	0
<i>A. nitida</i>	25	104	500	443	14	2	15	37	0	0	0	0	0	0	0	0	3	3	1	2	0	13	0	0
<i>Thyasira</i> sp./10	4	17	3	7	1	0	1	1	0	0	0	1	9	30	33	67	81	106	82	80	74	53	48	64
<i>Thracea papyracea</i>	0	355	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mysella bidentata</i>	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	41	20	0	0	0	0
<i>Corbula gibba</i> /10	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	3	34	150	55	38	104	87	69	121
<i>Parvicardium minimum</i>	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0	7	13	3	0	0	0	0	0
<i>Leda pernula</i>	0	0	0	0	0	0	0	0	202	46	104	172	0	175	0	0	0	0	0	0	0	0	0	0
<i>Myrtea spinifera</i> /10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	167	341	179	170	186	59	96
<i>Natica</i> spp.	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0	6	0	0	0	0
<i>Philine</i> spp.	39	28	46	5	0	0	0	0	0	0	0	0	0	33	0	0	33	43	11	0	0	0	7	0
<i>Ophisto</i> , indet.	0	0	0	0	0	0	0	0	0	0	461	0	0	0	0	0	66	80	27	65	0	0	4	0
<i>Labidoplax buskii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	206	329	459	293	20	405	4	5
<i>Echinocardium cordatum</i> /100	129	247	192	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	25	129	39
<i>Brissopsis lyrifera</i> /100	0	56	0	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amphipura filiformis</i>	16	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	111	158	140	114	1	0	0	0
<i>Astropecten</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	927	0	0	0	0	0	0
<i>Calocaris macandreae</i>	0	0	413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipoda	0	0	0	0	39	2	0	2	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
Cumacea	0	0	0	0	4	4	8	24	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Crustacea, indet./10	14	0	0	1	228	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0

Table 3. Macrofaunal abundance from mesocosm basins

Species	C				L				M				H			
Nemertina	1	3	2	3	1	1	1	6	3	1	4	8	5	3	2	1
<i>Cerebratulus</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Nematoda	3	13	9	1	8	0	5	18	8	13	18	1	14	9	1	8
<i>Pholoe minuta</i>	6	3	4	2	3	4	3	4	1	2	11	12	17	10	3	5
Phyllodocidae	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1
<i>Eteone longa</i>	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0
<i>Eteone barbata</i>	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0
Hesionidae	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
<i>Nereimyra punctata</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ophiodromus flexuosus</i>	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1
<i>Synelmis klatti</i>	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0
Syllidae 1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
Syllidae 2	0	3	1	1	6	1	3	5	1	0	3	2	6	8	3	0
<i>Typosyllis variegata</i>	1	0	1	0	2	1	0	0	2	1	1	1	0	4	1	1
<i>Syllides longocirrata</i>	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1
<i>Exogone verugera</i>	0	4	2	1	3	0	0	1	1	2	2	1	0	2	2	3
<i>Nephtys ciliata</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycera alba</i>	1	0	0	1	0	0	1	2	2	1	1	1	0	3	1	0
<i>Goniada maculata</i>	0	3	0	0	0	0	0	0	1	1	4	1	0	1	1	2
<i>Lumbrineris fragilis</i>	2	4	2	0	0	3	2	0	0	3	2	1	2	2	2	3
<i>Paraonis fulgens</i>	1	1	1	1	0	0	0	1	0	0	0	1	0	2	1	0
<i>Trichochaeta multisetosa</i>	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Polydora</i> sp.	69	172	3	114	236	3	0	186	235	96	237	175	111	2	89	165
<i>Prionospio malmgreni</i>	0	5	4	6	4	2	5	6	2	7	6	6	6	9	4	8
<i>Prionospio cirrifer</i>	0	3	4	2	3	1	4	3	8	2	2	2	4	2	5	6
<i>Spiophanes kroyeri</i>	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	1
<i>Spirochaetopterus typicus</i>	0	0	2	0	0	0	2	0	0	0	0	1	0	0	0	0
<i>Cirratulus cirratus</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Chaetozone setosa</i>	8	5	1	20	6	31	3	15	10	1	8	9	9	5	3	8
<i>Cossura longocirrata</i>	0	0	1	1	1	0	3	1	0	0	0	0	0	0	0	0
<i>Diplocirrus glaucus</i>	1	0	0	4	2	0	0	4	0	1	2	0	2	0	0	2
<i>Polyphysia crassa</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Scalibregma inflatum</i>	3	2	0	4	6	8	2	1	1	2	3	3	3	1	6	6
<i>Ophelina acuminata</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Arenicola</i> (juvenile)	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
<i>Heteromastus filiformis</i>	12	1	3	10	7	10	0	3	13	1	12	11	4	2	8	4
<i>Mediomastus fragilis</i>	9	12	3	6	7	17	1	19	11	3	7	10	10	0	5	3
Maldanidae	0	4	0	0	0	1	0	0	0	0	0	0	0	1	1	0
<i>Maldane sarsi</i>	1	3	0	0	0	0	0	0	1	0	0	0	0	1	1	3
<i>Euclymene pratermissa</i>	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Nicomache lumbricalis</i>	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0
Oweniidae	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0
<i>Pectinaria koreni</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Melinna cristata</i>	1	2	0	0	1	1	0	0	0	0	2	1	0	1	0	1
<i>Amphiteis gunneri</i>	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
<i>Sosane gracilis</i>	14	15	10	5	17	6	12	17	8	8	10	15	8	5	3	10
Terbellidae	1	0	0	0	1	1	1	0	3	0	0	0	0	0	1	0
<i>Pista cristata</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Polycirrus</i> sp.	0	1	0	0	0	0	0	0	0	0	0	2	0	1	1	0
<i>Streblosoma bairdi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Trichobranchus</i> sp.	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
<i>Terebellides stroemii</i>	0	0	0	0	0	1	2	0	1	1	0	1	1	0	0	1
Sabellidae	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Chaetoderma nitidulum</i>	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Nucula tenuis</i>	10	19	2	9	8	2	7	21	20	13	37	5	16	0	23	10
<i>Thyasira</i> sp.	3	4	0	0	1	2	0	1	2	1	5	1	2	0	2	0
<i>Parvicardium minimum</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Abra nitida</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Philomedes brenda</i>	20	25	15	26	48	3	15	55	13	58	68	102	115	2	23	27
<i>Eudorella emarginata</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Janira</i> sp.	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathidea	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Calanoidea	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Strongylura</i> sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Leptognathia</i> sp.	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Gammaridae	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Ampelisca aequicornis</i>	1	3	4	3	7	0	0	2	1	4	3	1	4	0	2	1
<i>Cheiloceratus intermedius</i>	0	0	0	0	0	0	0	0	6	0	1	0	0	0	0	0
<i>Amphura filiformis</i>	0	0	1	0	1	1	1	0	1	0	1	0	1	1	0	0
<i>Ophiura affinis</i>	0	3	5	5	3	0	0	9	9	4	0	0	0	0	0	0

Table 4. Macrofaunal biomass from mesocosm basins

Species	C				L				M				H			
Nemertina	3	10	6	13	1	2	6	29	8	2	8	38	24	20	13	16
<i>Cerebratulus</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0
Nematoda	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0
<i>Pholoe minuta</i>	8	1	3	1	7	10	0	5	0	8	12	13	11	4	2	5
Phyllodocidae	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
<i>Eteone longa</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Eteone barbata</i>	1	0	0	0	2	0	0	3	0	0	4	1	0	0	1	0
Hesionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Nereimyra punctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ophiodromus flexuosus</i>	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
<i>Synelmis klatti</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Syllidae 1	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae 2	0	7	1	1	2	0	3	6	1	0	2	1	7	9	10	0
<i>Typosyllis variegata</i>	0	0	0	0	4	9	0	0	9	4	1	13	0	13	5	21
<i>Syllides longocirrata</i>	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
<i>Exogone verugera</i>	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0
<i>Nephtys ciliata</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycera alba</i>	21	0	0	1	0	0	12	58	0	1	1	0	0	10	36	0
<i>Goniada maculata</i>	0	95	0	0	0	0	0	0	1	7	63	42	0	47	2	34
<i>Lumbrinereis fragilis</i>	111	364	44	0	0	470	9	0	0	59	35	23	631	0	9	72
<i>Paraonis fulgens</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Trichochaeta multisetosa</i>	21	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
<i>Polydora</i> sp.	215	313	1	454	474	1	0	437	506	203	562	439	205	1	103	222
<i>Prionospio malmgreni</i>	0	11	6	17	11	3	9	17	2	11	10	3	11	19	7	18
<i>Prionospio cirrifer</i>	0	8	31	17	17	3	16	29	45	10	11	10	34	5	21	24
<i>Spiophanes kroyeri</i>	0	1	0	0	19	0	0	0	0	0	0	0	0	0	0	3
<i>Spirochaetopterus typicus</i>	0	0	333	0	0	0	227	0	0	0	0	23	0	0	0	0
<i>Cirratulus cirratus</i>	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0
<i>Chaetozone setosa</i>	24	4	11	66	6	39	8	57	10	7	21	30	13	17	6	12
<i>Cossura longocirrata</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Diplocirrus glaucus</i>	1	0	0	12	18	0	0	20	0	4	19	0	5	0	0	15
<i>Polyphysia crassa</i>	0	0	0	0	0	0	497	0	0	0	0	0	0	0	0	0
<i>Scalibregma inflatum</i>	4	1	0	8	3	23	11	1	1	3	154	277	4	1	16	9
<i>Ophelina acuminata</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Arenicola</i> (juvenile)	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
<i>Heteromastus filiformis</i>	34	3	6	22	8	1	2	12	36	0	18	27	6	3	18	4
<i>Mediomastus fragilis</i>	9	14	3	10	7	9	2	20	28	2	4	13	10	0	9	2
Maldanidae	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0
<i>Maldane sarsi</i>	109	103	0	0	0	0	0	411	7	0	0	0	0	33	15	10
<i>Euclymene pratermissa</i>	162	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0
<i>Nicomache lumbicalis</i>	0	0	0	0	0	0	0	0	0	173	0	185	0	0	34	0
Oweniidae	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
<i>Pectinaria koreni</i>	0	0	0	0	0	0	0	42	0	0	128	0	0	0	0	0
<i>Melinna cristata</i>	3	48	0	0	1	24	0	0	0	0	42	84	0	0	0	11
<i>Amphiteis gunneri</i>	0	0	0	0	0	0	0	0	74	0	46	0	0	0	0	0
<i>Sosane gracilis</i>	357	389	128	101	434	152	124	359	147	181	267	575	125	40	41	141
Terbellidae	600	0	0	0	169	54	28	0	3	0	0	0	0	0	101	0
<i>Pista cristata</i>	0	0	0	0	0	0	0	0	0	0	180	0	0	0	0	0
<i>Polycirrus</i> sp.	0	1022	0	0	0	0	860	0	0	0	0	1815	0	2	280	0
<i>Streblosoma bairdi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	786
<i>Trichobranchus</i> sp.	0	0	0	0	0	0	0	13	0	0	0	742	0	0	0	0
<i>Terebellides stroemi</i>	0	0	0	0	0	67	80	0	529	822	0	271	306	0	0	57
Sabellidae	0	0	0	0	0	0	0	217	0	0	0	0	0	0	0	0
<i>Chaetoderma nitidulum</i>	0	26	0	0	24	0	0	0	0	0	0	0	0	0	0	0
<i>Nucula tenuis</i>	33	920	3	243	171	54	50	157	323	290	1619	256	630	0	586	249
<i>Thyasira</i> sp.	1	62	0	0	2	0	0	3	5	34	28	5	3	0	21	0
<i>Parvicardium minimum</i>	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
<i>Abra nitida</i>	0	0	0	0	58	0	0	0	0	42	0	0	0	0	0	0
<i>Philomedes brenda</i>	27	39	25	44	45	4	18	64	31	82	59	82	71	4	43	52
<i>Eudorella emarginata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Janira</i> sp.	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathidea	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Calanoidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Strongylura</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptognathia</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaridae	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
<i>Ampelisca aequicornis</i>	3	3	4	6	9	0	0	20	10	13	12	0	161	0	4	2
<i>Cheirocratus intermedius</i>	0	0	0	0	0	0	0	0	25	0	3	0	0	0	0	0
<i>Amphura filiformis</i>	0	0	114	0	2	6	5	0	208	0	16	0	2	2	0	0
<i>Ophiura affinis</i>	0	28	67	123	36	0	0	88	112	55	0	0	0	0	0	0

Table 5. Meiofaunal abundance from field sites: nematodes

Species	A		B		C		D		E		F	
<i>Actinonema pachydermatum</i>	3	4	1	0	0	0	1	0	0	0	0	0
<i>Aegialoaimus</i> sp.	2	3	1	1	7	2	0	0	0	0	0	0
<i>Amphimonhystera</i> sp.	0	0	0	0	0	1	2	0	0	0	0	0
<i>Ammotheristus</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0
<i>Amphimonhystrella</i> sp. 1	0	0	0	1	1	0	12	4	0	0	0	0
<i>Amphimonhystrella</i> sp. 2	0	0	0	0	0	2	0	0	0	0	0	0
<i>Anticyathus</i> sp.	0	0	0	0	0	0	1	0	0	0	0	0
<i>Anticoma</i> sp.	0	0	0	1	2	4	1	0	0	0	0	0
<i>Aponema torosa</i>	2	0	0	0	0	0	0	0	0	0	0	0
<i>Aponema</i> sp. 1	0	1	20	9	5	2	3	5	7	69	1	0
<i>Acrolaimus</i> sp.	1	0	0	0	0	0	0	0	0	0	0	0
<i>Axonolaimus helgolandicus</i>	0	2	0	0	0	0	0	0	0	0	0	0
<i>Bathylaimus</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0
<i>Calomicrolaimus</i> sp.	0	0	1	0	0	0	0	0	0	0	0	0
<i>Campylaimus</i> sp. 1	0	1	3	0	5	1	4	3	0	1	0	0
<i>Campylaimus</i> sp. 2	3	2	0	0	0	1	0	0	0	0	0	0
<i>Campylaimus</i> sp. 3	0	1	0	0	0	0	0	0	0	0	0	0
<i>Cervonema</i> sp. 1	0	1	0	0	1	2	0	2	0	0	0	0
<i>Cervonema</i> sp. 2	0	0	0	0	0	0	0	2	0	0	0	0
<i>Cheironchus</i> sp.	0	0	0	0	0	0	0	1	4	1	0	0
<i>Chonolaimus</i> sp.	0	0	0	0	0	0	0	0	1	0	0	0
<i>Chromadora</i> sp.	0	0	0	0	3	1	0	0	0	0	0	0
<i>Chromadoridae</i>	1	0	0	0	1	0	0	0	0	0	0	0
<i>Chromadorita guidoschneideri</i>	0	0	0	0	0	0	0	0	0	0	2	1
<i>Chromadorita</i> sp.	0	0	3	0	0	0	0	1	0	0	0	0
<i>Cobbia trefusiæformis</i>	0	0	0	1	0	0	0	0	0	0	0	0
<i>Comesa vitius</i>	0	3	2	1	0	2	0	0	0	0	0	0
<i>Comesa</i> sp. 1	2	3	0	8	1	0	0	0	1	2	0	0
<i>Comesoma</i> sp.	0	0	0	0	3	0	1	0	0	0	0	0
<i>Cyartonema germanicum</i>	1	3	0	0	0	0	1	0	1	0	0	0
<i>Daptonema niemanni</i>	0	0	0	0	1	0	0	0	0	0	171	174
<i>Daptonema</i> sp. 1	1	0	9	64	5	6	14	6	0	0	0	0
<i>Daptonema</i> sp. 2	4	1	1	0	0	0	1	0	0	1	0	0
<i>Daptonema</i> sp. 3	2	0	0	0	8	3	1	3	0	0	0	0
<i>Daptonema</i> sp. 4	0	2	2	0	0	0	0	0	0	0	0	0
<i>Daptonema</i> sp. 5	3	0	0	0	0	1	0	0	0	0	0	0
<i>Daptonema</i> sp. 6	1	0	0	0	0	0	0	2	0	0	0	0
<i>Daptonema</i> sp. 7	0	0	0	0	1	1	0	0	0	0	0	0
<i>Daptonema</i> sp. 8	0	0	0	0	1	0	0	0	0	0	0	0
<i>Daptonema</i> sp. 9	0	0	0	0	0	0	5	0	0	0	0	0
<i>Daptonema</i> sp. 10	0	0	2	0	0	0	1	2	0	0	0	0
<i>Daptonema</i> sp. 11	0	0	0	0	0	0	0	4	0	0	1	0
<i>Daptonema</i> sp. 12	0	1	0	0	0	0	0	0	0	0	0	0
<i>Daptonema</i> sp. 13	0	1	0	0	0	0	0	0	0	0	0	0
<i>Desmodora</i> sp.	0	0	0	0	0	0	0	0	3	1	0	0
<i>Desmolaimus zeelandicus</i>	0	0	0	1	2	0	0	1	0	0	0	0
<i>Diplopeltula</i> sp. 1	0	0	2	3	1	0	0	0	1	0	0	0
<i>Diplopeltula</i> sp. 2	0	0	0	0	0	4	1	0	0	1	0	0
<i>Diplopeltula</i> sp. 3	2	0	0	0	0	0	0	0	0	0	0	0
<i>Diplopeltula</i> sp. 4	1	1	0	0	0	0	0	0	0	0	0	0
<i>Dorylaimopsis punctatus</i>	22	23	12	14	11	34	18	19	2	5	0	0
<i>Eleutherolaimus</i> sp. 1	0	1	3	1	6	6	5	0	0	0	0	0
<i>Eleutherolaimus</i> sp. 2	0	0	0	0	0	2	0	0	0	0	0	0
<i>Eubostichus</i> sp.	0	1	0	0	0	0	0	0	1	0	0	0
<i>Eumorpholaimus</i> sp.	0	0	0	1	4	1	0	0	0	0	0	0
<i>Gammarinema</i> sp.	0	0	0	0	1	0	1	0	0	0	1	6
<i>Gnomoxyla</i> sp. 1	0	0	0	0	9	1	0	0	0	0	0	0
<i>Gnomoxyla</i> sp. 2	1	3	1	0	0	2	5	1	0	0	0	0
<i>Halalaimus</i> sp. 1	0	0	2	0	0	0	4	0	0	0	0	0
<i>Halalaimus</i> sp. 2	2	0	0	0	0	0	0	0	0	0	0	0
<i>Halalaimus</i> sp. 4	0	0	0	0	0	0	0	0	0	0	0	0
<i>Halalaimus</i> sp. 5	0	2	0	2	1	0	0	0	0	0	0	0
<i>Halichoanolaimus</i> sp. 1	0	0	0	0	0	1	0	0	0	0	0	0
<i>Halichoanolaimus</i> sp. 2	0	0	0	0	1	0	0	0	1	1	0	0
<i>Halaphanolaimus</i> sp. 1	0	0	0	0	0	0	2	0	0	0	0	0
<i>Halaphanolaimus</i> sp. 2	0	3	0	0	0	1	0	0	0	0	0	0
<i>Halanonchus</i> sp.	0	0	0	0	0	0	0	1	0	0	0	0
<i>Laimella</i> sp. 1	1	2	1	2	0	2	0	0	0	0	0	0
<i>Laimella</i> sp. 2	0	0	0	0	0	0	0	0	2	1	0	0
<i>Lauratonema</i> sp.	0	0	0	0	0	0	1	0	0	0	0	0

Table 5 (continued). Meiofaunal abundance from field sites: nematodes

Species	A		B		C		D		E		F	
<i>Leptolaimoides</i> sp.	0	0	0	0	0	0	1	0	0	0	0	0
<i>Leptolaimus</i> sp. 1	10	5	14	4	5	4	4	2	2	3	0	0
<i>Leptolaimus</i> sp. 2	0	0	0	0	0	0	7	0	0	0	0	0
<i>Leptolaimus</i> sp. 3	0	0	1	0	1	0	0	0	0	0	0	0
<i>Leptolaimus puccinellinae</i>	0	0	2	0	0	0	0	0	0	0	0	0
<i>Leptolaimella</i> sp.	1	0	0	0	0	0	0	0	1	0	0	0
<i>Linhomoeidae</i>	1	0	0	1	4	1	3	2	0	1	0	0
<i>Linhomoeus</i> sp.	0	0	1	0	0	0	0	0	0	0	0	0
<i>Linhystra</i> sp. 1	0	2	0	1	0	0	0	0	0	0	0	0
<i>Longicyatholaimus</i> sp. 1	0	0	0	0	0	0	2	0	0	0	0	0
<i>Maryllynna</i> sp. 1	12	6	0	1	0	0	0	1	0	0	1	0
<i>Maryllynna</i> sp. 2	0	0	0	1	0	0	0	0	0	0	0	0
<i>Megadesmolaimus</i> sp.	0	0	0	0	0	0	0	0	0	1	0	0
<i>Metacyatholaimus</i> sp.	0	0	0	0	0	0	0	2	0	0	0	0
<i>Metadasyndemella</i> sp.	0	0	0	0	0	0	1	0	0	0	0	0
<i>Metadesmolaimus</i> sp.	0	0	0	0	0	1	6	4	0	0	0	0
<i>Metalinhomoeus biformis</i>	0	0	0	0	0	0	0	18	0	0	0	0
<i>Metalinhomoeus</i> sp. 1	0	0	6	5	1	0	3	0	1	1	0	0
<i>Metalinhomoeus</i> sp. 2	0	0	0	0	3	0	0	0	0	0	0	0
<i>Microaimus</i> sp. 1	1	0	0	1	0	0	0	0	1	1	0	0
<i>Microaimus</i> sp. 2	0	0	0	0	0	0	0	0	1	0	0	0
<i>Microaimus</i> sp. 3	1	0	0	0	3	0	1	0	0	0	0	0
<i>Micoletzkyia</i> sp.	0	0	1	0	0	0	0	1	0	0	0	0
<i>Minolaimus</i> sp.	0	0	1	0	2	0	0	0	0	0	0	0
<i>Molgolaimus allgeni</i>	4	2	0	0	0	0	0	0	0	0	0	0
<i>Molgolaimus turgotrons</i>	20	14	3	0	4	3	3	15	102	32	2	1
<i>Molgolaimus</i> sp. 1	0	0	3	0	0	0	0	0	0	0	0	0
<i>Monhystera</i> sp. 1	0	0	1	0	0	0	0	4	0	0	1	0
<i>Monhystera</i> sp. 2	0	0	1	0	0	0	1	0	0	0	0	0
<i>Neochromadora</i> sp. 1	1	0	0	0	1	2	4	2	1	0	0	0
<i>Neochromadora</i> sp. 2	0	0	0	0	0	0	0	0	0	0	1	0
<i>Neochromadora</i> sp. 3	0	0	0	0	0	0	0	2	0	0	0	0
<i>Nemanema</i> sp.	0	0	0	0	0	0	0	0	0	0	1	0
<i>Odontophora</i> sp. 1	0	0	0	0	0	0	0	0	5	4	0	0
<i>Odontophora</i> sp. 2	5	6	0	0	0	0	0	0	0	0	0	0
<i>Oxystomina</i> sp. 1	0	1	0	0	2	0	0	1	0	0	0	0
<i>Oxystomina</i> sp. 2	0	0	0	0	1	0	0	0	0	0	0	0
<i>Pandolaimus latilaimus</i>	4	4	0	0	0	0	0	0	0	0	0	0
<i>Paracanthochus</i> sp. 1	0	0	1	0	5	0	3	0	6	2	0	0
<i>Paracanthochus</i> sp. 2	0	0	0	0	0	0	0	0	0	0	0	3
<i>Paracyatholaimus</i> sp.	1	0	7	3	0	0	1	1	3	4	0	0
<i>Paralinhomoeus</i> sp. 1	1	0	1	1	1	3	5	5	0	2	0	0
<i>Paralinhomoeus</i> sp. 2	0	0	0	9	0	0	0	0	0	0	0	0
<i>Paralongicyatholaimus</i> sp.	7	4	0	0	0	1	0	0	14	16	0	0
<i>Paramesacanthion</i> sp.	0	0	0	0	0	2	4	1	0	0	0	0
<i>Paramesonchium</i> sp.	0	0	0	0	0	6	0	0	0	0	0	0
<i>Paraminolaimus</i> sp.	5	8	0	0	0	0	0	0	0	0	0	0
<i>Paramonhystera</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0
<i>Parasphaerolaimus paradoxus</i>	1	0	0	0	3	1	11	0	0	0	0	0
<i>Procamacolaimus</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0
<i>Prochromadora</i> sp.	0	0	0	0	0	0	0	0	0	0	0	1
<i>Prochromadorella</i> sp.	0	3	0	0	1	0	0	0	0	0	0	0
<i>Ptycholaimellus</i> sp.	0	0	0	0	0	0	0	0	0	0	0	2
<i>Richtersia inaequalis</i>	3	4	1	0	0	1	0	0	2	5	0	0
<i>Richtersia</i> sp.	0	0	0	1	0	0	0	0	0	0	0	0
<i>Rhabdocoma</i> sp. 1	0	0	0	2	0	0	0	0	0	0	0	0
<i>Rhabdocoma</i> sp. 2	5	5	0	0	2	1	0	0	0	0	0	0
<i>Rhabdodemania</i> sp.	0	2	0	0	0	1	0	0	0	0	0	0
<i>Sabatieria breviseta</i>	0	0	0	0	0	0	0	0	0	0	17	15
<i>Sabatieria celtica</i>	5	3	0	0	0	0	0	0	0	0	0	0
<i>Sabatieria longicaudata</i>	0	0	0	0	0	1	0	1	1	1	0	0
<i>Sabatieria ornata</i>	0	0	32	0	18	19	0	0	4	6	0	0
<i>Sabatieria praedatrix</i>	2	6	0	1	0	38	34	24	0	0	0	0
<i>Sabatieria</i> sp. 1	0	0	0	0	0	0	0	0	1	1	0	0
<i>Setosabatieria hilarula</i>	0	0	0	0	0	0	0	0	1	2	0	0
<i>Siphonolaimus</i> sp. 1	0	1	0	0	0	0	0	0	1	0	0	0
<i>Siphonolaimus</i> sp. 2	1	0	0	0	0	0	0	0	0	0	0	0
<i>Southerniella</i> sp.	0	1	0	0	0	3	0	0	0	0	0	0
<i>Sphaerolaimus macrocerculus</i>	1	0	0	0	8	3	5	0	0	1	0	0
<i>Sphaerolaimus</i> sp.	0	0	0	0	0	0	0	1	0	0	0	0

Table 5 (continued). Meiofaunal abundance from field sites: nematodes

Species	A		B		C		D		E		F	
<i>Spirinia parasitifera</i>	5	11	0	1	0	0	0	0	0	0	0	0
<i>Spirinia</i> sp. 1	0	0	0	0	0	1	0	0	0	0	0	0
<i>Spirinia</i> sp. 2	0	0	0	0	0	0	0	0	0	0	0	0
<i>Steineria</i> sp.	0	1	0	1	0	0	0	0	0	0	0	0
<i>Subsphaerolaimus</i> sp	0	0	1	0	0	0	0	0	0	0	0	0
<i>Synonchiella</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0
<i>Synonchium</i> sp.	0	0	0	0	0	0	1	0	0	0	0	0
<i>Tarvaia</i> sp. 1	0	0	0	0	0	0	1	0	0	0	0	0
<i>Terschellingia</i> sp. 1	7	5	26	38	1	1	4	21	3	10	0	0
<i>Thalassoalaimus</i> sp	1	0	0	0	0	0	0	1	0	0	0	0
<i>Theristus</i> sp. 1	0	2	0	0	0	0	0	2	0	0	0	0
<i>Thoracostomopsis</i> sp.	0	0	0	0	0	0	0	1	0	0	0	0
<i>Trefusia helgolandica</i>	0	0	0	0	0	0	0	3	12	12	0	0
<i>Trefusia</i> sp.	2	0	0	0	0	0	0	0	0	0	0	0
<i>Tricoma</i> sp. 1	9	0	0	0	0	0	0	0	0	0	0	0
<i>Tricoma</i> sp. 2	5	9	0	0	0	0	0	0	0	0	0	0
<i>Tricoma</i> sp. 3	0	0	0	0	2	0	0	0	1	0	0	0
<i>Tripyloides</i> sp.	0	0	0	0	0	0	0	0	0	0	1	0
<i>Viscosia</i> sp. 1	1	1	1	0	0	0	0	2	0	2	0	0
<i>Viscosia</i> sp. 3	0	0	0	0	1	0	0	0	1	0	0	0
Sp.A	0	0	0	0	0	0	0	0	1	0	0	0
Sp.B	0	0	1	0	0	0	0	0	0	0	0	0
X1	0	0	0	0	0	0	0	0	0	0	0	0
X2	0	0	3	0	0	0	1	0	2	0	0	1
<i>Daptonema?</i>	1	1	0	0	1	1	0	0	0	0	0	0

Table 6. Meiofaunal abundance from field sites: copepods

Species	A			B			C			D			E			F		
<i>Longipedia scotts</i>	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ectinosoma melaniceps</i>	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
<i>Ectinosoma</i> sp. A	0	0	0	0	0	0	0	0	0	3	1	0	0	0	1	0	0	0
<i>Ectinosoma</i> sp. B	0	0	0	0	0	0	9	8	3	0	0	0	0	0	0	0	0	0
<i>Ectinosoma</i> sp. C	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Halectinosoma gothiceps</i>	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	0	0	0
<i>Halectinosoma brevinotro</i>	0	0	0	0	0	0	0	0	0	13	3	6	0	0	0	0	0	0
<i>Halectinosoma proximum</i>	0	0	0	0	0	0	5	13	5	0	0	0	0	0	0	0	0	0
<i>Halectinosoma curlicorne</i>	0	0	0	0	0	0	3	12	4	0	0	0	0	0	0	0	0	0
<i>Halectinosoma</i> sp. A	0	0	0	0	0	0	0	0	0	6	2	1	0	0	0	0	0	0
<i>Halectinosoma</i> sp. B	0	0	0	0	0	0	0	0	0	0	7	3	0	0	0	0	0	0
<i>Halectinosoma</i> sp. C	0	0	0	0	3	7	0	0	0	0	0	0	0	0	0	0	0	0
<i>Halectinosoma</i> sp. D	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudobradya digitata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudobradya pygmaea</i>	0	0	0	0	0	0	0	3	1	0	0	7	0	0	0	0	1	0
<i>Pseudobradya</i> sp. A	0	0	0	0	0	0	0	0	0	2	1	7	0	0	0	0	0	0
<i>Pseudobradya</i> sp. B	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	3	0
<i>Pseudobradya</i> sp. C	0	0	0	2	2	0	0	0	0	0	0	0	4	0	0	0	0	0
<i>Pseudobradya</i> sp. D	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Bradya (Bradya) typica</i>	4	5	11	5	4	3	28	24	15	6	3	30	0	0	0	0	0	0
<i>Bradya (Bradya)</i> sp. A	0	0	0	0	0	0	3	4	1	0	0	0	0	0	0	0	0	0
<i>Bradya (Parabradya)</i> sp. A	0	0	0	0	0	0	0	0	0	2	2	12	0	0	0	0	0	0
<i>Segmatidium difficile</i>	0	0	0	0	0	0	0	0	0	0	0	0	32	6	106	0	0	0
<i>Microsetella norvegica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	1
<i>Ectinosomidae</i> n. gen. n. sp.	0	0	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0
<i>Cervinia bradyi</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Cervinia</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Cerviniopsis clavicornis</i>	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Daniellsenia typica</i>	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0
<i>Daniellsenia</i> sp. A	0	0	0	4	2	6	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tisbe gracilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tisbe</i> sp. A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Idyolopsis minuta</i>	0	0	0	0	0	0	0	1	0	0	1	6	0	0	0	0	0	0
<i>Idyella pallidula</i>	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	6	0

Table 6 (continued). Meiofaunal abundance from field sites: copepods

Species	A			B			C			D			E			F		
<i>Tachidiella minuta</i>	0	0	0	2	4	5	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tachidiella</i> sp. A	0	1	4	0	0	0	0	0	0	10	4	19	0	0	0	0	0	0
<i>Tachidiella</i> sp. B	0	0	0	0	0	0	7	9	7	0	0	0	0	0	0	1	0	0
<i>Pseudotachidius coronatus</i>	0	0	0	0	0	0	2	0	1	4	4	2	0	0	0	0	0	0
<i>Idomene</i> sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Stenhelia</i> (<i>Stenhelia</i>) sp. A	2	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stenhelia</i> (<i>Delavalia</i>) <i>reflexa</i>	0	0	0	5	3	6	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stenhelia</i> (<i>Delavalia</i>) <i>longicaudata</i>	0	0	0	4	1	1	0	0	0	0	0	0	0	0	3	0	0	0
<i>Stenhelia</i> (<i>Delavalia</i>) sp. A	0	0	0	0	0	0	0	0	0	7	0	0	0	0	1	0	0	0
<i>Stenhelia</i> (<i>Delavalia</i>) sp. B	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0
<i>Pseudomesochra divaricata</i>	0	0	0	0	0	0	3	2	1	0	0	4	0	0	0	0	0	0
<i>Typhlamphiascus confusus</i>	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
<i>Typhlamphiascus typhlops</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Typhlamphiascus</i> sp. A	0	0	0	5	21	26	0	0	0	0	0	0	0	0	0	0	0	0
<i>Typhlamphiascus</i> sp. B	0	0	0	0	0	0	5	6	5	0	0	0	0	0	0	0	0	0
<i>Typhlamphiascus</i> sp. C	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Bulbamphiascus imus</i>	0	0	0	2	6	7	0	9	0	0	8	0	0	0	0	0	0	0
<i>Paramphiascopsis giesbrechti</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
<i>Robertgurneya spinulosa</i>	0	0	0	0	1	8	8	6	0	0	0	0	8	8	26	0	0	0
<i>Robertgurneya</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Amphiascus</i> sp. A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Haloschizopera bulbifer</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haloschizopera</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	0	44	5	21	0	0	0
<i>Amonardia</i> sp. A	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
<i>Amonardia</i> sp. B	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Ameira parvula</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Proameira simplex</i>	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
<i>Proameira</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
<i>Proameira</i> sp. B	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudosarsameira exilis</i>	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
<i>Nitocra typica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Sarsameira</i> sp. A	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudameira gracilis</i>	0	0	0	0	0	0	5	17	6	0	0	0	0	0	0	0	0	0
<i>Pseudameira</i> sp. A	0	0	0	0	0	0	0	0	0	6	0	8	0	0	0	0	0	0
<i>Pseudameira</i> sp. B	0	0	0	0	0	0	0	0	0	13	1	7	0	0	0	0	0	0
<i>Pseudameira</i> sp. C	0	3	8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Pseudameira</i> sp. D	0	0	0	0	0	0	18	17	8	0	0	0	9	2	5	0	0	0
<i>Pseudameira</i> sp. E	0	0	0	0	0	0	6	14	5	0	0	0	7	9	24	0	0	0
<i>Pseudameira</i> sp. F	0	0	0	9	5	12	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ameiopsis mixta</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Ameiopsis minor</i>	0	0	0	0	0	0	2	0	2	0	1	0	0	0	0	0	0	0
<i>Leptomesochra</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	0	23	3	10	0	0	0
<i>Leptomesochra</i> sp. B	0	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scottopsyllus gigas</i>	0	0	0	0	0	0	8	11	2	2	4	0	0	0	0	0	0	0
<i>Leptopsyllus</i> sp. A	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
<i>Cletodes longifurca</i>	21	22	18	4	0	1	5	10	2	0	0	0	0	0	0	0	0	0
<i>Cletodes limicola</i>	4	6	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cletodes longicaudatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	70	13	85	0	0	3
<i>Cletodes</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0
<i>Cletodes</i> sp. B	0	0	0	0	0	0	0	0	0	0	0	0	18	10	23	0	0	0
<i>Cletodes</i> sp. C	0	0	0	0	0	0	0	0	0	0	0	0	14	7	32	0	0	0
<i>Cletodes</i> sp. D	0	0	0	0	0	0	0	0	0	0	0	0	52	3	27	0	0	0
<i>Cletodes</i> sp. E	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Enhydrosoma curticauda</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Enhydrosoma curvirostre</i>	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Enhydrosoma propinquum</i>	4	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
<i>Enhydrosoma sarsi</i>	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Enhydrosoma</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Heteropsyllus</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0
<i>Parargestes tenuis</i>	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
<i>Argestes mollis</i>	0	0	0	0	0	0	0	0	0	0	1	8	0	0	0	0	0	0
<i>Eurycletodes aculeatus</i>	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Fultonina</i> sp. A	25	21	10	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Fultonina</i> sp. B	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stylocletodes</i> sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Cletodidae</i> n. gen. n. sp.	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0
<i>Laophonte elongata</i>	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	0	0	0
<i>Laophonte thoracica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Asellopsis hispida</i>	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Paronychocamptus</i> sp. A	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Normanella mucronata</i>	4	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ancorabolis mirabilis</i>	4	4	5	2	1	1	0	0	1	0	0	5	0	0	0	0	0	1
<i>Ceratonotus pectinatus</i>	6	6	3	0	0	0	0	0	0	0	0	0	8	6	5	0	0	0

Table 7. Meiofaunal abundance from field sites: meiofaunal groups

Group	A				B				C			
Hydrozoa	39	30	28	29	20	7	4	5	29	13	9	6
Turbellaria	99	41	127	89	45	20	10	34	4	11	78	48
Kinorhyncha	127	120	140	92	1	0	2	1	0	0	0	0
Nematoda	14651	10841	11842	12374	2602	4200	1655	5251	1782	3566	2589	2003
Gastrotricha	8	15	10	8	13	0	5	10	10	17	2	2
Priapulida	30	23	41	19	1	1	1	9	3	2	5	2
Polychaeta	116	58	109	89	117	97	48	134	109	139	201	213
Oligochaeta	8	7	13	8	2	0	22	34	20	7	67	39
Bivalvia	24	22	20	22	4	2	1	2	1	2	0	3
Ostracoda	62	71	77	67	1	1	0	0	2	2	0	1
Copepoda	982	897	825	868	83	65	185	98	154	186	88	99
Nauplii	385	132	444	432	74	25	105	67	8	71	34	82
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0
Tanaidacea	1	0	0	0	2	5	1	6	24	20	6	18
Isopoda	0	0	0	0	0	0	0	0	4	1	0	0
Cumacea	0	0	0	0	0	0	0	0	10	1	1	0
Acan	1	3	5	3	0	2	2	1	0	0	0	0
Tardigrada	0	0	0	0	0	0	0	1	0	0	0	0
Echinodermata	2	4	7	0	0	0	0	0	0	0	0	0

Table 7 (continued). Meiofaunal abundance from field sites: meiofaunal groups

Group	D				E				F			
Hydrozoa	3	9	13	16	5	14	28	22	0	0	0	0
Turbellaria	23	12	7	13	10	6	54	55	0	1	11	0
Kinorhyncha	0	0	0	0	0	0	0	1	0	0	0	0
Nematoda	1021	891	3566	1475	5806	8321	14275	9028	471	306	655	631
Gastrotricha	2	1	14	7	0	0	0	0	0	0	0	0
Priapulida	0	0	0	2	29	7	55	36	0	0	0	0
Polychaeta	76	108	103	242	77	62	72	69	1	2	6	6
Oligochaeta	1	0	4	30	5	4	16	5	41	29	11	22
Bivalvia	0	0	0	1	2	0	4	2	0	0	0	0
Ostracoda	0	0	2	1	5	5	64	12	0	1	0	0
Copepoda	83	58	146	185	317	104	483	416	6	3	10	8
Nauplii	16	8	71	211	2	10	194	122	0	1	1	1
Amphipoda	0	0	0	1	0	0	0	0	0	0	0	0
Tanaidacea	1	2	0	1	0	0	0	0	0	0	0	0
Isopoda	0	0	0	0	0	0	0	0	0	0	0	0
Cumacea	0	0	0	0	0	0	0	0	0	0	0	0
Acan	0	0	0	0	1	0	2	1	0	0	1	0
Tardigrada	0	0	0	0	0	0	0	0	0	0	0	0
Echinodermata	0	0	0	0	0	2	1	2	0	0	0	0

Table 8. Meiofaunal abundance from mesocosm basins: nematodes

Species	C				L				M				H			
<i>Odontophora</i> sp.	16	13	0	0	0	0	0	0	15	0	0	11	239	0	30	140
<i>Pandolaimus latilaimus</i>	156	156	52	162	96	307	14	280	189	313	164	127	359	78	333	280
<i>Leptolaimus elegans</i>	78	13	43	49	58	154	85	76	29	57	68	21	0	0	30	105
<i>Maylynnia complexa</i>	265	415	69	146	154	614	312	585	290	654	164	243	359	157	484	771
<i>Theristus</i> sp. A	62	78	43	211	96	115	28	356	160	228	82	158	269	78	423	385
<i>Prochromadorella</i> sp.	0	0	26	0	0	38	0	0	44	114	0	11	0	0	0	0
<i>Rhabdodemania</i> sp.	31	13	9	16	173	77	28	25	44	0	27	32	30	39	30	0
<i>Richtersia inaequalis</i>	0	13	35	32	19	38	42	0	73	57	41	63	60	118	181	70
<i>Sabatieria ornata</i>	16	0	35	16	96	0	28	51	73	114	27	0	299	0	91	105
<i>Daptonema</i> sp. A	62	39	17	49	58	77	14	25	116	28	55	21	60	0	30	35
<i>Quadricoma</i> 37D	0	0	9	0	0	0	0	0	15	0	0	0	0	0	0	0
<i>Halalaimus</i> sp. A	16	52	35	81	58	0	71	25	29	57	41	11	30	39	30	70
<i>Dorylaimopsis punctatus</i>	218	194	60	211	154	307	14	356	73	313	192	127	179	78	212	315
<i>Sabatieria punctata</i>	47	26	17	81	77	0	85	51	58	114	41	42	60	0	0	0
<i>Spirinia parasitifera</i>	0	13	9	16	96	192	14	25	15	85	14	11	90	0	60	35
<i>Terschellingia longicaudata</i>	47	13	9	49	0	77	0	51	29	0	41	11	90	78	30	70
<i>Aponema torosa</i>	234	104	17	32	38	614	113	127	44	57	68	11	120	39	242	245
<i>Sphaerolaimus paradoxus</i>	47	13	9	0	38	77	28	0	29	85	27	0	30	0	60	35
<i>Halalaimus</i> sp. D	0	13	0	0	0	0	28	0	0	0	0	0	0	0	0	35
<i>Setosabatieria hilarula</i>	16	13	52	113	96	0	0	25	15	114	14	32	30	78	30	35
<i>Viscosia</i> sp.	0	0	9	32	19	38	0	0	29	0	0	0	0	0	0	35
<i>Oncholaimus skawensis</i>	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
<i>Halichoanolaimus dolichurus</i>	16	13	35	16	269	38	42	76	44	0	55	21	30	0	121	35
<i>Steinera</i> sp.	16	0	9	0	0	0	14	0	15	28	14	11	0	0	30	0
<i>Axonolaimus</i> sp.	0	0	52	49	38	77	57	25	0	28	14	21	0	39	0	70
<i>Paramesacanthion hirsutum</i>	47	0	9	16	0	0	42	0	0	57	14	11	30	39	30	35
<i>Pomponema multipapillatum</i>	31	39	52	49	38	77	28	76	0	114	41	21	60	0	0	140
<i>Monhystera disjuncta</i>	0	0	9	16	38	154	28	51	0	85	0	11	179	2783	212	105
<i>Halalaimus</i> sp. B	0	13	9	16	19	77	0	0	0	28	14	0	0	39	0	0
<i>Amphimonhystera</i> sp.	16	0	0	0	0	0	14	0	0	28	0	0	0	0	0	0

Table 9. Meiofaunal abundance from mesocosm basins: copepods

Species	C				L				M				H			
<i>Longipedia</i> sp.	0	1	0	1	0	2	1	0	3	1	1	0	2	0	2	3
<i>Psammis longisetosa</i>	5	1	2	0	0	3	5	0	2	1	1	0	0	1	1	0
<i>Danielssenia typica</i>	1	0	0	1	1	0	0	0	1	3	2	0	2	12	4	2
<i>Danielssenia fusiformis</i>	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0
<i>Danielssenia quadriseta</i>	1	0	2	0	0	0	1	0	0	0	9	0	0	0	2	0
<i>Tachidiella</i> sp.	1	5	9	4	5	2	10	0	2	5	1	5	3	0	32	15
<i>Tachidiopsis</i> sp.	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Tisbe</i> sp.	13	4	11	3	9	19	8	31	28	22	11	46	44	266	34	70
<i>Zosime major</i>	3	0	4	0	1	0	2	0	1	0	0	1	3	2	2	0
<i>Zosime</i> sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Cletodidae sp. 1	5	0	11	0	1	2	3	1	0	1	0	0	5	5	3	5
Cletodidae sp. 2	1	0	1	2	4	0	0	0	0	1	0	0	4	0	4	5
Cletodidae sp. 3	2	1	15	0	0	0	12	2	0	0	1	0	2	28	0	1
Cletodidae sp. 4	0	0	0	0	0	5	0	0	0	0	0	0	2	0	0	0
Cletodidae sp. 5	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
Cletodidae sp. 6	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Cletodidae sp. 7	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Laophontidae sp. 1	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	1
Laophontidae sp. 2	0	1	1	1	0	1	0	0	0	0	0	0	0	1	0	0
Laophontidae sp. 3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Laophontidae sp. 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Leptosyllus elongatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<i>Harpacticus</i> sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stenhelia reflexa</i>	7	6	3	1	4	4	1	4	0	3	2	1	1	1	7	3
<i>Typhlamphiascus typhlops</i>	2	4	1	11	2	1	0	5	2	3	3	4	7	1	2	3
<i>Haloschizopera</i> sp.	3	5	10	4	1	1	10	1	5	5	5	5	4	4	18	17
<i>Amphiascoides</i> sp.	2	1	1	0	6	2	2	2	2	1	0	2	11	5	5	1
<i>Amphiascus tenuiremis</i>	0	0	1	0	4	0	3	0	6	8	2	5	8	7	4	6
Diosaccidae sp. 1	0	1	0	1	0	3	0	1	2	0	1	2	0	4	0	1
Diosaccidae sp. 2	0	0	0	0	3	0	0	0	1	0	1	0	0	0	0	1
Diosaccidae copepodites	2	7	4	0	4	2	3	1	5	3	1	0	6	7	5	2
Ameiridae sp. 1	4	0	5	0	1	0	7	0	0	0	0	1	7	4	9	4
Ameiridae sp. 2	1	1	0	0	2	1	4	1	0	0	0	3	0	1	5	6
Ameiridae sp. 3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Ameiridae sp. 4	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Ameiridae sp. 5	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
<i>Mesochra</i> sp.	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Thalestridae sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Ectinosomidae sp. 1	1	0	14	0	0	0	6	0	0	0	0	0	0	0	0	0
Ectinosomidae sp. 2	1	2	15	0	0	0	5	0	0	0	2	0	0	0	2	0
Ectinosomidae sp. 3	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Ectinosomidae sp. 4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Ectinosomidae sp. 5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Ectinosomidae sp. 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ectinosomidae sp. 7	0	2	2	2	1	0	4	0	5	0	3	0	2	2	3	1
Ectinosomidae sp. 8	4	0	0	0	2	2	0	0	0	1	0	1	3	1	6	0
Ectinosomidae sp. 9	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0
Ectinosomidae copepodites	3	2	6	1	0	0	0	0	0	0	2	3	3	5	12	8
Cyclopoidea sp. 1	6	4	0	4	0	0	3	1	0	0	0	4	4	4	8	6
Cyclopoidea sp. 2	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1	1
Cyclopoidea sp. 3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	5	0
Cyclopoidea sp. 4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Cyclopoidea sp. 5	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0