Data Report on the Distribution and Abundance of Meiofauna on Roberts Bank, British Columbia

T. F. Sutherland, S. Morrison, P. Poon, S.A. Petersen, C.D. Levings, and P. Hill

Fisheries and Oceans Canada
Science Branch - Pacific Region
Marine Ecosystems and Aquaculture Division
DFO-UBC Centre for Aquaculture and Environmental Research
4160 Marine Drive
West Vancouver, B.C., V7V 1N6
Canada

2009

Canadian Data Report of Fisheries and Aquatic Sciences 1223

Fisheries and Oceans / Pêches et Océans

Canada

Canadian Data Report of
Fisheries and Aquatic Sciences

Data reports provide a medium for filing and archiving data compilations where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of data reports reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries and aquatic sciences.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the issuing establishment. The correct citation appears above the abstract of each report. Data reports are abstracted in *Aquatic Sciences and Fisheries Abstracts* and indexed in the Department's annual index to scientific and technical publications.

Numbers 1 - 25 in this series were issued as Fisheries and Marine Service Data Records. Numbers 26 - 160 were issued as Department of Fisheries and the Environment, Fisheries and Marine Service Data Reports. The current series name was introduced with the publication of report number 161.

Data reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page. Out-of-stock reports will be supplied for a fee by commercial agents.

Rapport statistique canadien des
sciences halieutiques et aquatiques

Les rapports statistiques servent à classer et à archiver les compilations de données pour lesquelles il y a peu ou point d'analyse. Ces compilations auront d'ordinaire été préparées à l'appui d'autres publications ou rapports. Les sujets des rapports statistiques reflètent la vaste gamme des intérêts et des politiques du ministère des Pêches et des Océans, c'est-à-dire les sciences halieutiques et aquatiques.

Les rapports statistiques ne sont pas destinés à une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au-dessus du résumé de chaque rapport. Les rapports statistiques sont résumés dans la revue *Résumés des sciences aquatiques et halieutiques*, et ils sont classés dans l'index annuel des publications scientifiques et techniques du Ministère.

Les numéros 1 à 25 de cette série ont été publiés à titre de relevés statistiques, Services des pêches et de la mer. Les numéros 26 à 160 ont été publiés à titre de rapports statistiques du Service des pêches et de la mer, ministère des Pêches et de l'Environnement. Le nom actuel de la série a été établi lors de la parution du numéro 161.

Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Canadian Data Report of
Fisheries and Aquatic Sciences 1223

2009

DATA REPORT ON THE DISTRIBUTION AND ABUNDANCE OF MEIOFAUNA ON ROBERTS BANK, BRITISH COLUMBIA*

by

T. F. Sutherland[1], S. Morrison[1], P. Poon[1], S.A. Petersen[1], C.D. Levings[1], and P. Hill[2]

[1]Fisheries and Oceans Canada, Science Branch - Pacific Region
Marine Ecosystems and Aquaculture Division
DFO-UBC Centre for Aquaculture and Environmental Research
4160 Marine Drive, West Vancouver, B.C., V7V 1N6, Canada

[2]Natural Resources Canada
Geological Survey of Canada - Pacific Region
Institute of Ocean Sciences
P.O. Box 6000, Sidney, B.C., V8L 4B2

* This report is dedicated to the memory of Scott Morrison.

Cat. No. Fs 97-13/1223E ISSN 0706-6465

Correct citation for this publication:

Sutherland, T.F., Morrison, S., Poon, P., Petersen, S.A., Levings, C.D., and Hill, P. 2009. Data report on the distribution and abundance of meiofauna on Roberts Bank, British Columbia. Can. Data Rep. Fish. Aquat. Sci. 1223: vii+34p.

LIST OF FIGURES

LIST OF TABLES

ABSTRACT

Sutherland, T.F., Morrison, S., Poon, P., Petersen, S.A., Levings, C.D., and Hill, P. 2009. Data report on the distribution and abundance of meiofauna on Roberts Bank, British Columbia. Can. Data Rep. Fish. Aquat. Sci. 1223: vii+34p.

Estimates of sediment meiofaunal abundance were determined at six sampling transects across the tidal flats of Roberts Bank, British Columbia, between June, 2003 and February, 2004. Transects were positioned perpendicular to the shoreline with 3 transects located north of the Delta port causeway and 3 transects located within the intercauseway region (between the Delta port and Ferry Terminal causeways). These data were collected as part of a larger multidisciplinary project addressing the sensitivity of the Roberts Bank tidal flats to potential changes in wave energy and sediment supply due to climate change.

RÉSUMÉ

Sutherland, T.F., Morrison, S., Poon, P., Petersen, S.A., Levings, C.D., and Hill, P. 2009. Data report on the distribution and abundance of meiofauna on Roberts Bank, British Columbia. Can. Data Rep. Fish. Aquat. Sci. 1223: vii+34p.

L'abondance de la méiofaune a été estimée à six transects d'échantillonnage sur les battures du banc Roberts, en Colombie-Britannique, de juin 2003 à fevrier 2004. Les transects étaient positionnés perpendiculairement au littoral. Trois transects étaient situés au nord de la jetée du port Delta, et trios autres, dans le secteur entre les jetées du port Delta et de la gare maritime. Les données ont été recueillies dans le cadre d'un grand projet multidisciplinaire sur la sensibilité des battures du banc Roberts aux changements potentiels dans l'énergie des vagues et l'apport de sédiments dus au changement climatque.

INTRODUCTION

The tidal flats of Roberts Bank form part of the Fraser River deltaic system located in southwestern British Columbia (Figure 1) which serves as an important habitat for migratory birds (Butler et al. 1987; Iverson et al. 1996) and juvenile salmon (Levings 1985; 2004). Previous investigations carried out on Roberts Bank have shown that Calidrid shorebirds predate on meiofauna taxa, such as, harpacticoid copepods and cumaceans during their annual migratory stop-over (Sutherland et al. 2000), while juvenile salmon predated largely on harpacticoid copepods (Webb 1991a). Given the close association that meiofauna have with microphytobenthos (Decho and Moriarty 1990) and eelgrass (Bell et al. 1984; Webb 1991b), sediment meiofauna samples were collected in concert with both sediment chlorophyll and eelgrass samples (Sutherland et al. 2005, 2006) in order to assess productivity on the tidal flats.

The projected increase in global sea level rise put forward by the International Panel on Climate Change (IPCC) potentially result in a significant reduction of the Roberts Bank tidal flats, which currently cover an area of 113 km^2 and presently lies within a few metres of mean sea level. In addition, global climate models have predicted an increase in storm intensity over the next century, which may result in the erosion of the lower tidal flats and steepening of the overall slope of the tidal flats. Climate-induced changes to this low-level environment potentially will influence both community and conservation activities, since the Roberts Bank tidal flats are 1) bordered by the Delta municipality and the Tsawwassen First Nation Reserve, 2) the site of the Delta port and Tsawwassen ferry terminals, and 3) contain important habitat for a variety of birds and fish. A multidisciplinary project funded by the Canadian Climate Change Impacts and Adaptation Program (CCIAP) and lead by Phil Hill of Natural Resources Canada was designed to address the present morphodynamic state of the Roberts Bank tidal flats and determine the sensitivity of the tidal flats profile to seasonal variations in wave energy and sediment supply. This data report presents a record of meiofauna abundance on Roberts Bank tidal flats between June and December 2003. These data records can be used to assess future changes in meiofaunal abundance and distribution across the tidal flats due to climate changes or anthropogenic developments associated with Roberts Bank.

METHODS AND MATERIALS

FIELD SAMPLING

Sampling stations were located along six transects (A through F) spanning the high to low intertidal region of Roberts Bank, British Columbia (Figures 1 and 2). Transects A, B and C were located northwest of the Delta port causeway, while transects D, E and F were located between the Delta port causeway and the Tsawwassen ferry terminal causeway. Meiofauna samples were collected from the intertidal flat during 4 sampling trips that took place at low tide on June 15-16, August 11-12, October 27-30, December 22-24, 2003, and February 16-17, 2004. Due to varying levels of tidal flat exposure throughout the year, sediment meiofauna samples were not always collected at every station during each field trip.

Three replicate meiofauna samples were collected from exposed sediment of the intertidal flat using a modified 60-cc syringe core with the tips cut off (for a description see Somerfield et al. 2005). The plunger was removed from one end of the syringe-core barrel and inserted into the other end of the barrel to act as a plunger for the extrusion of the sediment core. During the extrusion process, the sediment core was sectioned at 1-cm depth intervals which were placed in labeled, 100-ml jars containing a 4% formalin solution. The top sediment section was analyzed for meiofauna abundance.

LABORATORY ANALYSIS

Meiofauna were extracted from each sediment sample using a technique described by Warwick and Buchanan (1970). Rose Bengal stain was added to the sample to facilitate in the identification of meiofauna. Sediment samples were passed through a 0.5 mm and 0.063 mm set of sieves. The sample retained on the 0.063 mm sieve was transferred to a 250 ml graduated cylinder (33 cm height) and filled to a volume of 280 ml (32 cm height) using filtered seawater (0.45 µm filter membrane). The sample was suspended in the cylinder and allowed to stand for 60 seconds to allow for the settlement of large particles. The organisms in the supernatant were retained when they were passed through a 0.063 µm sieve. The sample resuspension and decantation procedure was then repeated three times. The decanted sample was then scanned under 10x and 40x magnification using a Leica Wild M3Z microscope and meiofauna were enumerated. Meiofauna data were standardized according to the volume of sediment collected at the surface depth interval (1 cm) with a core barrel diameter of 2.6 cm. The data were then log transformed following the addition of 1 prior to analysis (Green and Montagna, 1996).

ACKNOWLEDGEMENTS

We would like to thank Alan Martin, Kim Mathot, Andrea Pomeroy and the crew of the C.C.G.S. hovercraft Siyay for their assistance during sampling and Beth Piercey for her assistance in editing this report. This project was funded by the Canadian Climate Change Impacts and Adaptation Program (CCIAP) and DFO Science Branch, Pacific Region.

REFERENCES

Bell, S.S., Walters, K., and Kern, J.C. 1984. Meiofauna from seagrass habitats: a review and prospectus for future research. Estuaries, 7 (4A): 331 – 338.

Butler, R.W., Kaiser, G.W., and Smith, G.E.J. 1987. Migration chronology, length of stay, sex ratio, and weight of western sandpipers (*Calidris mauri*) on the south coast of British Columbia. Journal of Field Ornithology, 58: 103 – 111.

Decho, A.W. and Moriarty, D.J.W. 1990. Bacterial exopolymer utilization by a harpacticoid copepod: A methodology and results. Limnology and Oceanography, 35: 1039 – 1049.

Green, R.H. and Montagna, P. 1996. Implications for monitoring: study designs and interpretation of results. Canadian Journal of Fisheries and Aquatic Sciences, 53: 2629 – 2636.

Iverson, G.D., Warnock, S., Butler, R.W., Bishop, M.A., and Warnock, N. 1996. Spring migration of the western sandpiper (*Calidris mauri*) along the Pacific coast: a telemetry study. Condor, 98: 10 – 21.

Levings, C.D. 1985. Juvenile salmonid use of habitats altered by a coal port in the Fraser river estuary, British Columbia. Marine Pollution Bulletin, 17: 248 – 254.

Levings, C.D. 2004. Fish ecology: knowledge and its application to habitat management. (Eds) Groulz, B., J. Luternauer, and D. Bilderback. In: Fraser Delta: Issues in an urban estuary. Geological Survey of Canada Bulletin, 546: 213 – 236.

Somerfield, P.J., Warwick, R.M., and Moens, T. 2005. Meiofuana Techniques. (Eds.) A. Eleftheriou and A. McIntyre. In: Methods for the Study of Marine Benthos. Blackwell Publishing, United Kingdom, pp. 418.

Sutherland, T.F., Shepherd, P.C.F., and Elner, R.W. 2000. Predation on meiofaunal and macrofaunal invertebrates by western sandpipers (*Calidris mauri*): evidence for dual foraging modes. Marine Biology, 137: 983 – 993.

Sutherland, T.F., Morrison, S., Petersen, S.A., Levings, C.D., and Hill, P. 2005. Data report on vertical profiles of sediment chlorophyll concentrations across the tidal flats of Roberts Bank, British Columbia. Can. Data Rep. Fish. Aquat. Sci., 1175: xiii + 67p.

Sutherland, T.F., Morrison, S., Petersen, S.A., Levings, C.D., and Hill, P. 2006. Data report on the distribution and density of two eelgrass species, *Zostera marina* and *Zostera japonica*, on Roberts Bank, British Columbia. Can. Data Rep. Fish. Aquat. Sci., 1181: vi + 24p.

Warwick, R.M. and Buchanan, J.B. 1970. The meiofauna off the coast of Northumberland. I. The structure of the nematode population. Journal of Marine Biological Association, United Kingdom, 50: 129 – 146.

Webb, D.G. 1991a. Effect of predation by juvenile Pacific salmon on marine harpacticoid copepods. I. Comparisons of patterns of copepod mortality with patterns of salmon consumption. Marine Ecology Progress Series, 72: 25 – 36.

Webb, D.G. 1991b. Effect of predation by juvenile Pacific salmon on marine harpacticoid copepods. II. Predator density manipulation experiments. Marine Ecology Progress Series, 72: 37 – 47.

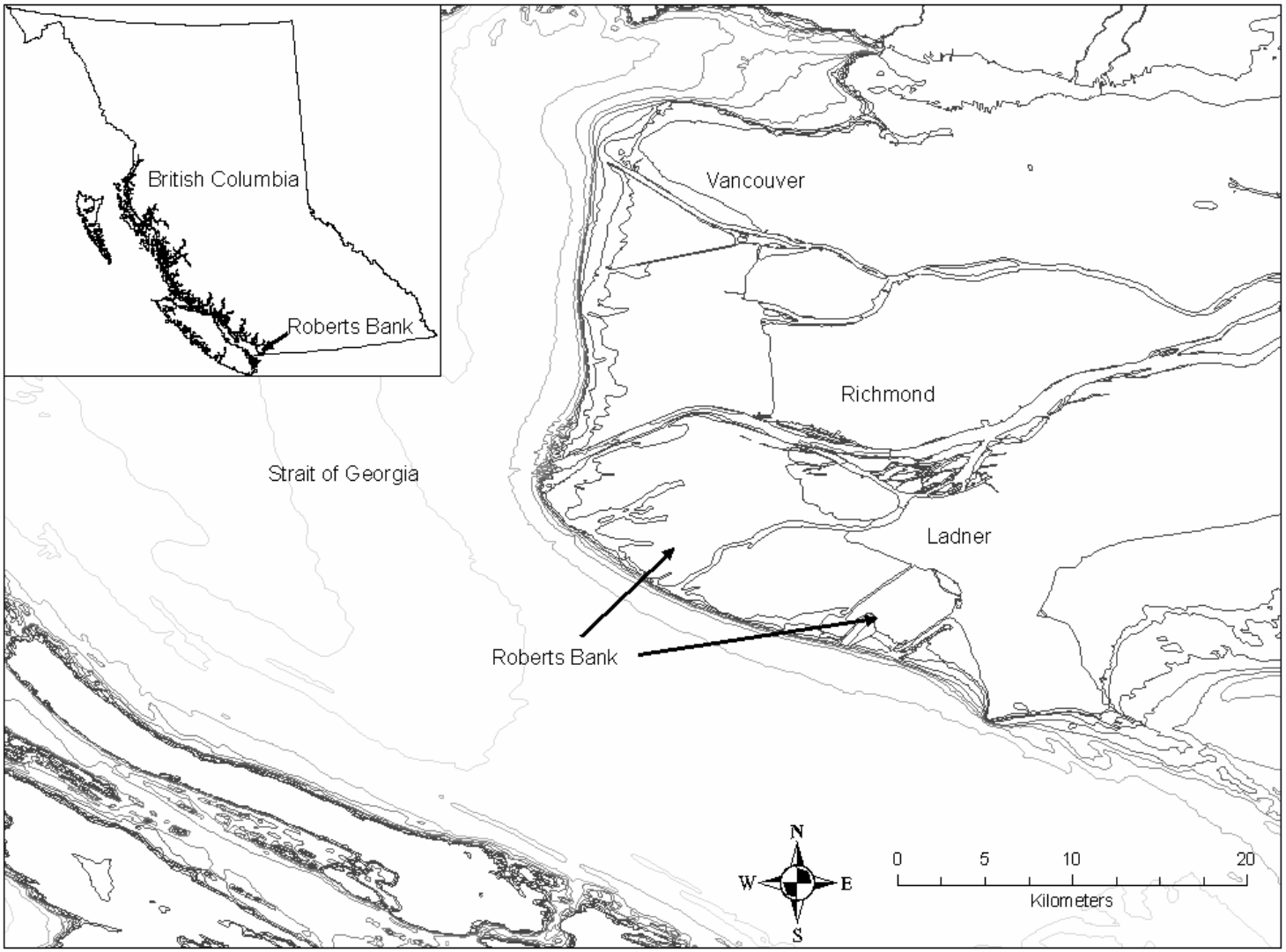

Figure 1. Location of Roberts Bank, British Columbia.

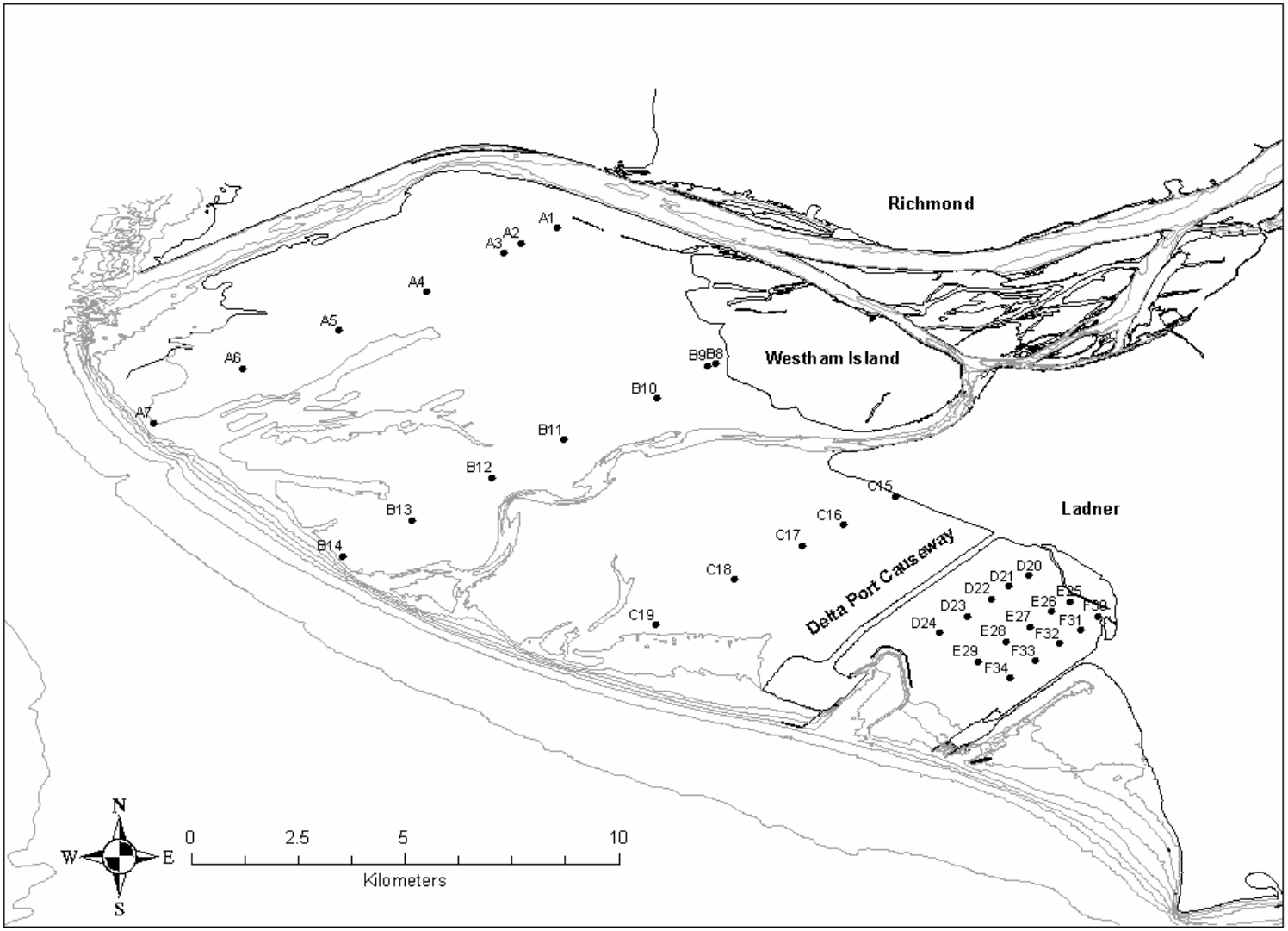

Figure 2. Location of sampling stations at Roberts Bank, British Columbia.

Table 1. GPS coordinates for sampling stations located on Roberts Bank, British Columbia. Sampling stations not visited between June, 2003 and February, 2004, are represented by "-".

Station	Latitude	Longitude
A1	-	-
A2	N 49.11190°	W 123.22265°
A3	N 49.10980°	W 123.22623°
A4	N 49.10167°	W 123.24248°
A5	N 49.09358°	W 123.26085°
A6	N 49.08555°	W 123.28115°
A7	-	-
B8	-	-
B9	-	-
B10	N 49.07933°	W 123.19400°
B11	N 49.07055°	W 123.21350°
B12	N 49.06262°	W 123.22867°
B13	N 49.05370°	W 123.24553°
B14	N 49.04615°	W 123.26015°
C15	-	-
C16	N 49.05273°	W 123.15477°
C17	N 49.04830°	W 123.16345°
C18	N 49.04122°	W 123.17783°
C19	N 49.03173°	W 123.19428°
D20	N 49.04205°	W 123.11592°
D21	N 49.03983°	W 123.11993°
D22	N 49.03707°	W 123.12370°
D23	N 49.03352°	W 123.12878°
D24	N 49.02997°	W 123.13472°
E25	N 49.03685°	W 123.10715°
E26	N 49.03443°	W 123.11097°
E27	N 49.03123°	W 123.11568°
E28	N 49.02823°	W 123.12062°
E29	N 49.02393°	W 123.12653°
F30	N 49.03352°	W 123.10128°
F31	N 49.03058°	W 123.10497°
F32	N 49.02772°	W 123.10933°
F33	N 49.02410°	W 123.11433°
F34	N 49.02045°	W 123.11985°

Table 2. Meiofaunal abundance (no. cm^{-3}) observed on June 15-16, 2003 at sampling stations (Transect A) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	A2 M	A2 Std	A3 M	A3 Std	A4 M	A4 Std	A5 M	A5 Std	A6 M	A6 Std
Foraminifera	1.15	0.48	0.36	0.15	0.79	0.37	0.24	0.09	0.24	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.06	0.09	0.06	0.09	0.00	0.00	0.00	0.00
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	131.21	53.87	20.73	5.98	67.08	16.75	4.71	1.18	3.93	1.24
Oligochaeta	75.97	86.83	3.38	1.33	2.18	0.89	0.06	0.09	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	32.09	7.37	2.54	1.26	0.54	0.39	0.00	0.00	0.00	0.00
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	12.03	6.10	7.19	2.11	30.22	11.42	1.87	0.68	1.69	0.45
Copepoda Nauplii	0.36	0.15	2.96	0.60	4.59	1.68	8.34	3.72	9.25	1.65
Ostracoda	5.92	2.27	1.51	0.76	0.36	0.15	0.06	0.09	0.06	0.09
Amphipoda	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.06	0.09	0.42	0.31	0.06	0.09	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.06	0.09	0.12	0.17	0.00	0.00	0.06	0.09	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.48	0.09	0.24	0.17	2.12	1.20	1.45	0.59	0.36	0.26

Table 3. Meiofaunal abundance (no. cm^{-3}) observed on June 15-16, 2003 at sampling stations (Transect B) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	B10 M	B10 Std	B11 M	B11 Std	B12 M	B12 Std	B13 M	B13 Std	B14 M	B14 Std
Foraminifera	0.60	0.45	0.36	0.15	0.00	0.00	0.06	0.09	0.06	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.06	0.09	0.06	0.09	0.12	0.09	0.06	0.09	0.00	0.00
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	56.15	2.69	63.28	6.03	3.99	1.96	13.42	3.49	1.57	1.72
Oligochaeta	18.86	2.45	3.44	1.18	0.12	0.09	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	7.74	3.96	0.30	0.31	0.00	0.00	0.24	0.23	0.00	0.00
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.12	0.09	0.00	0.00	0.24	0.09	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	19.16	4.27	3.99	1.21	4.29	0.90	15.11	3.41	0.60	0.31
Copepoda Nauplii	1.93	1.71	1.45	0.65	2.84	0.52	57.78	10.08	1.51	1.01
Ostracoda	1.21	0.70	2.96	2.67	0.18	0.26	1.45	0.59	0.24	0.23
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Corophiidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	2.05	0.17	0.00	0.00	0.12	0.17	0.30	0.31	0.06	0.09
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.18	0.15	4.23	2.52	5.26	1.07	1.21	0.62	0.12	0.17

Table 4. Meiofaunal abundance (no. cm^{-3}) observed on June 15-16, 2003 at sampling stations (Transect C) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	C16 M	C16 Std	C17 M	C17 Std	C18 M	C18 Std	C19 M	C19 Std
Foraminifera	0.42	0.48	1.81	1.92	0.30	0.23	0.12	0.17
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.00	0.00	0.12	0.09	0.00	0.00
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	18.49	6.41	55.48	29.10	37.23	14.59	7.61	0.90
Oligochaeta	0.00	0.00	0.00	0.00	0.12	0.17	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	5.20	3.72	0.60	0.62	2.78	2.12	0.06	0.09
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.12	0.09	0.36	0.15	0.06	0.09
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	35.72	5.42	11.60	5.19	69.50	10.16	11.72	5.01
Copepoda Nauplii	2.12	1.95	5.68	2.59	51.37	12.57	23.81	10.22
Ostracoda	0.00	0.00	1.39	1.07	4.35	1.36	9.49	2.02
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.24	0.23	0.12	0.17
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.09
Eggs	0.18	0.15	1.57	2.22	4.35	2.72	5.08	2.06

Table 5. Meiofaunal abundance (no. cm^{-3}) observed on June 15-16, 2003 at sampling stations (Transects D and E) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	D22 M	D22 Std	D23 M	D23 Std	D24 M	D24 Std	E29 M	E29 Std
Foraminifera	1.39	0.60	0.06	0.09	2.84	2.10	1.99	0.92
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.00	0.00	0.12	0.17	9.79	5.48
Kinorhyncha	1.03	0.60	2.48	0.60	0.00	0.00	0.00	0.00
Nematoda	73.73	18.48	245.31	125.91	132.72	89.16	42.12	14.70
Oligochaeta	6.59	2.75	0.54	0.26	0.12	0.17	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	1.87	0.60	3.02	2.20	0.91	1.16	0.97	0.09
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.24	0.09	0.24	0.23	0.54	0.65	0.24	0.23
Nemertea	0.00	0.00	0.00	0.00	0.06	0.09	0.18	0.26
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.73	0.26	0.06	0.09	0.06	0.09	0.18	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	126.86	24.48	21.52	9.72	29.13	24.15	18.61	10.55
Copepoda Nauplii	9.55	5.03	24.36	12.28	23.81	7.05	19.16	8.74
Ostracoda	0.54	0.30	1.69	0.70	3.44	2.56	2.42	0.87
Amphipoda	0.00	0.00	0.00	0.00	0.12	0.17	0.30	0.23
Corophiidae	4.35	1.82	0.06	0.09	0.48	0.56	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.12	0.17	0.12	0.09	0.12	0.09	0.36	0.15
Tanaidacea	0.00	0.00	0.00	0.00	4.96	3.82	1.81	1.41
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	5.68	1.26	1.39	0.75	5.50	5.47	4.65	1.34

Table 6. Meiofaunal abundance (no. cm^{-3}) observed on August 11, 2003 at sampling stations (Transect A) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	A2 M	A2 Std	A3 M	A3 Std	A4 M	A4 Std	A5 M	A5 Std	A6 M	A6 Std
Foraminifera	1.57	1.52	0.48	0.17	0.42	0.31	0.00	0.00	0.06	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.00	0.00	0.06	0.09	4.77	3.85	0.06	0.09
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	323.15	94.24	70.11	13.93	75.24	9.46	119.97	60.38	29.31	6.96
Oligochaeta	0.66	0.45	3.20	2.37	8.40	6.54	2.84	1.72	0.18	0.15
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	40.13	6.13	1.93	1.45	1.33	1.20	0.36	0.26	0.00	0.00
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.12	0.09	0.18	0.26	0.06	0.09	0.36	0.15	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	23.93	6.19	46.05	5.63	21.64	5.08	14.87	2.06	11.06	1.46
Copepoda Nauplii	31.06	8.61	9.19	4.48	6.22	2.65	25.32	6.82	17.28	2.67
Ostracoda	5.08	1.21	9.19	1.54	4.53	1.56	0.06	0.09	0.00	0.00
Amphipoda	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.00	0.00	0.06	0.09	0.60	0.23	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.06	0.09	0.12	0.09	0.06	0.09	0.06	0.09	0.00	0.00
Tanaidacea	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.85	0.56	1.33	0.52	0.79	0.37	4.41	1.55	0.91	0.53

Table 7. Meiofaunal abundance (no. cm^{-3}) observed on August 11-12, 2003 at sampling stations (Transect B) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	B10 M	B10 Std	B11 M	B11 Std	B12 M	B12 Std	B13 M	B13 Std	B14 M	B14 Std
Foraminifera	0.06	0.09	0.36	0.26	0.12	0.09	0.06	0.09	0.73	0.51
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.12	0.17	0.00	0.00	5.98	1.04	0.00	0.00	0.00	0.00
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	42.18	3.09	53.12	21.54	16.62	4.07	15.71	7.48	1.69	0.75
Oligochaeta	3.32	0.90	7.25	3.47	2.78	0.67	0.12	0.09	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	6.77	1.72	49.62	69.79	0.00	0.00	0.06	0.09	0.00	0.00
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.18	0.15	0.48	0.34	0.18	0.00	0.18	0.15	0.06	0.09
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	108.85	28.58	83.16	59.06	11.42	3.50	15.29	4.55	9.25	2.77
Copepoda Nauplii	7.61	2.10	66.48	8.43	2.66	0.31	34.87	16.39	38.50	9.44
Ostracoda	3.75	2.13	2.72	1.68	0.06	0.09	0.91	0.15	0.18	0.00
Amphipoda	0.30	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.48	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.85	0.09	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.18	0.00	2.36	1.07	1.81	1.32	1.45	0.53	0.12	0.09

Table 8. Meiofaunal abundance (no. cm^{-3}) observed on August 11-12, 2003 at sampling stations (Transect C) located on Roberts Bank, British Columbia (M = Mean. Std = Standard Deviation).

Taxon	C16 M	C16 Std	C17 M	C17 Std	C18 M	C18 Std	C19 M	C19 Std
Foraminifera	0.85	0.34	0.73	0.78	0.00	0.00	0.12	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.66	0.23	0.06	0.09	0.12	0.17	2.42	0.94
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	31.67	8.34	75.24	28.84	19.28	5.86	10.40	3.25
Oligochaeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	3.57	2.16	0.79	0.52	5.38	3.22	0.12	0.09
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.18	0.15	0.66	0.68	0.18	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Harpacticoida	60.74	10.61	39.28	14.03	25.93	8.43	18.19	7.18
Copepoda Nauplii	15.96	10.39	24.42	14.99	3.93	1.20	15.17	3.37
Ostracoda	0.18	0.15	1.57	1.04	3.14	1.34	6.29	1.19
Amphipoda	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	1.69	0.17	0.66	0.34	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Tanaidacea	0.30	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	2.12	0.52	0.73	0.39	1.51	0.76	12.63	5.51

Table 9. Meiofaunal abundance (no. cm^{-3}) observed on August 12, 2003 at sampling stations (Transect D) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	D20 M	D20 Std	D21 M	D21 Std	D22 M	D22 Std	D23 M	D23 Std	D24 M	D24 Std
Foraminifera	0.30	0.17	0.30	0.43	1.39	0.56	0.73	0.26	1.03	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	6.22	2.07	5.56	0.48	1.69	0.52	13.42	3.74	3.08	2.45
Kinorhyncha	8.22	3.12	1.45	0.65	1.75	0.45	9.37	1.19	0.00	0.00
Nematoda	25.32	6.91	23.45	6.39	73.73	4.29	163.48	11.97	31.00	7.07
Oligochaeta	0.42	0.23	0.54	0.26	1.51	0.37	1.27	0.59	0.18	0.15
Polychaeta Larvae	0.00	0.00	2.18	3.08	1.33	1.75	0.06	0.09	0.00	0.00
Polychaeta Adult	1.27	0.89	6.41	0.89	3.63	1.46	6.47	0.76	0.42	0.37
Gastropoda	0.30	0.43	3.63	1.29	2.78	0.23	0.12	0.17	0.00	0.00
Bivalvia	0.06	0.09	0.06	0.09	0.06	0.09	0.30	0.23	0.18	0.15
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.32	2.61
Tardigrada	42.97	11.28	0.79	0.99	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.06	0.09	0.36	0.15	0.36	0.26	0.06	0.09
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	56.39	12.18	81.95	15.15	70.47	9.40	57.96	7.34	23.81	5.47
Copepoda Nauplii	47.74	13.56	33.00	13.71	49.50	5.38	18.13	7.42	13.78	6.30
Ostracoda	1.93	0.23	0.48	0.09	0.85	0.34	0.48	0.37	2.12	1.09
Amphipoda	0.12	0.17	1.15	0.60	0.54	0.53	0.06	0.09	0.24	0.23
Corophiidae	4.35	1.78	10.70	0.92	12.09	1.13	6.22	2.07	0.42	0.09
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.23	0.06	0.09
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.17
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	6.77	3.19	9.00	1.73	5.38	2.17	5.26	1.26	1.21	0.96

Table 10. Meiofaunal abundance (no. cm^{-3}) observed on August 11-12, 2003 at sampling stations (Transects E and F) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	E25 M	E25 Std	E26 M	E26 Std	E29 M	E29 Std	F30 M	F30 Std	F31 M	F31 Std	F32 M	F32 Std
Foraminifera	0.06	0.09	0.00	0.00	5.38	3.42	0.12	0.09	0.00	0.00	0.06	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	2.96	1.97	1.21	0.52	32.64	18.59	3.44	2.07	3.93	1.99	2.05	0.45
Kinorhyncha	3.44	1.96	0.73	0.39	0.06	0.09	22.54	4.64	8.10	1.24	10.46	1.24
Nematoda	53.97	8.04	59.11	17.17	52.82	20.03	31.37	4.80	47.50	12.18	42.24	3.10
Oligochaeta	0.36	0.39	1.09	0.44	0.91	0.65	0.42	0.09	0.79	0.23	0.36	0.15
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	1.75	0.17	3.75	2.47	1.03	0.95	6.59	1.84	9.07	0.39	7.25	2.81
Gastropoda	0.30	0.31	0.18	0.26	0.00	0.00	0.18	0.15	1.51	1.29	0.18	0.26
Bivalvia	0.00	0.00	0.00	0.00	0.24	0.34	0.00	0.00	0.00	0.00	0.00	0.00
Nemertea	0.42	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	29.86	14.64	13.60	14.27	0.06	0.09	8.94	6.53	17.22	3.35	0.48	0.43
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	40.07	13.47	48.05	10.56	42.06	13.12	124.38	14.51	51.49	5.93	75.85	10.51
Copepoda Nauplii	32.39	7.15	8.82	8.25	19.28	10.22	133.68	37.10	51.43	5.93	45.93	10.96
Ostracoda	0.42	0.31	0.06	0.09	9.07	8.43	1.39	0.37	1.87	0.87	1.09	0.44
Amphipoda	0.00	0.00	0.12	0.09	0.06	0.09	0.12	0.09	0.00	0.00	0.00	0.00
Corophiidae	4.29	1.54	9.49	2.40	6.22	3.25	4.71	1.18	5.98	1.78	6.65	1.75
Caprellidea	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Tanaidacea	0.00	0.00	0.00	0.00	1.21	0.31	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	3.32	1.41	1.69	0.87	34.45	22.30	9.67	1.75	3.87	0.95	6.95	0.45

Table 11. Meiofaunal abundance (no. cm^{-3}) observed on October 27-28, 2003 at sampling stations (Transect A) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	A2 M	A2 Std	A3 M	A3 Std	A4 M	A4 Std	A5 M	A5 Std	A6 M	A6 Std
Foraminifera	4.65	1.73	0.66	0.34	0.66	0.23	0.12	0.09	0.12	0.17
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.12	0.09	0.06	0.09	0.00	0.00	0.18	0.26	0.06	0.09
Kinorhyncha	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Nematoda	95.85	66.23	38.98	3.21	44.90	11.11	46.35	29.10	9.85	0.99
Oligochaeta	0.48	0.43	0.00	0.00	0.12	0.09	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	27.98	4.92	0.73	0.15	0.97	0.48	0.54	0.53	1.03	1.21
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.15
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.17
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	24.72	0.52	21.82	8.94	5.32	3.22	11.60	5.13	6.35	3.31
Copepoda Nauplii	6.65	3.58	17.22	3.70	4.59	2.65	26.41	14.48	16.86	11.33
Ostracoda	34.57	4.09	3.81	0.39	4.47	2.66	0.36	0.26	0.42	0.31
Amphipoda	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	1.21	0.67	0.54	0.39	0.42	0.37	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.91	0.51	0.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.17
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	1.81	0.74	1.33	0.37	0.36	0.15	0.79	0.87	1.27	1.12

Table 12. Meiofaunal abundance (no. cm^{-3}) observed on October 27-28, 2003 at sampling stations (Transect B) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	B10 M	B10 Std	B11 M	B11 Std	B12 M	B12 Std	B13 M	B13 Std	B14 M	B14 Std
Foraminifera	0.06	0.09	0.06	0.09	0.06	0.09	0.24	0.23	0.06	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.12	0.09
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	30.16	9.30	24.05	17.03	2.84	1.77	16.02	6.58	1.51	0.67
Oligochaeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	2.36	1.03	0.42	0.23	0.73	1.03	0.06	0.09	0.00	0.00
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	1.09	0.51	1.93	0.70	7.01	2.63	9.55	1.44	0.73	0.30
Copepoda Nauplii	0.73	0.44	4.23	2.12	17.28	3.61	26.89	8.79	2.66	0.17
Ostracoda	0.48	0.17	1.21	0.56	0.18	0.26	1.15	0.62	0.18	0.00
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.00	0.00	0.60	0.09	0.12	0.09	0.48	0.31	0.12	0.09

Table 13. Meiofaunal abundance (no. cm^{-3}) observed on October 27-28, 2003 at sampling stations (Transect C) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	C16 M	C16 Std	C17 M	C17 Std	C18 M	C18 Std	C19 M	C19 Std
Foraminifera	1.15	0.34	2.96	0.84	0.06	0.09	0.30	0.31
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	36.38	10.43	79.65	18.04	34.99	4.22	12.81	4.48
Oligochaeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	3.81	1.03	2.96	2.55	0.54	0.39	0.30	0.31
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	35.72	5.34	21.82	7.52	6.22	0.23	0.60	0.60
Copepoda Nauplii	6.22	4.96	3.20	0.95	4.53	1.21	1.63	1.29
Ostracoda	0.54	0.51	6.04	3.12	0.42	0.17	0.36	0.15
Amphipoda	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Corophiidae	0.48	0.43	0.06	0.09	0.12	0.17	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Tanaidacea	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.79	0.87	1.81	1.18	1.21	1.34	0.73	0.30

Table 14. Meiofaunal abundance (no. cm^{-3}) observed on October 28, 2003 at sampling stations (Transect D) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	D20 M	D20 Std	D21 M	D21 Std	D22 M	D22 Std	D23 M	D23 Std	D24 M	D24 Std
Foraminifera	0.00	0.00	0.06	0.09	0.12	0.17	0.12	0.09	3.93	1.21
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.30	0.23	0.42	0.17	0.79	0.23	1.69	0.31	0.42	0.23
Kinorhyncha	7.37	3.04	4.65	3.93	3.93	2.94	20.06	7.78	0.12	0.17
Nematoda	76.94	11.31	92.65	17.15	76.81	14.21	147.71	30.44	115.31	16.51
Oligochaeta	0.00	0.00	0.54	0.65	0.42	0.09	0.66	0.34	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	1.99	1.56	3.02	2.20	7.80	2.60	4.71	4.65	0.66	0.31
Gastropoda	0.00	0.00	0.24	0.23	0.12	0.09	0.79	1.11	0.06	0.09
Bivalvia	0.00	0.00	0.06	0.09	0.00	0.00	0.36	0.30	0.36	0.15
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	7.80	4.03	0.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.12	0.09	0.73	0.39	0.73	0.26
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	22.12	5.38	33.97	6.27	68.84	3.76	81.89	7.42	147.40	30.01
Copepoda Nauplii	4.90	0.78	2.84	0.48	29.86	10.61	6.95	1.79	17.89	1.83
Ostracoda	1.09	0.39	3.26	4.62	1.51	1.38	5.44	3.70	49.86	27.70
Amphipoda	0.06	0.09	0.36	0.51	0.24	0.17	0.12	0.09	0.18	0.15
Corophiidae	2.24	0.89	5.38	0.67	4.83	1.52	3.81	0.53	5.98	2.72
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.06	0.09	0.48	0.23	0.24	0.17
Tanaidacea	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	3.02	0.99
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	2.72	1.04	2.60	0.67	4.17	3.16	4.41	1.52	5.08	3.56

Table 15. Meiofaunal abundance (no. cm^{-3}) observed on October 29-30, 2003 at sampling stations (Transect E) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	E25 M	E25 Std	E26 M	E26 Std	E27 M	E27 Std	E28 M	E28 Std
Foraminifera	0.12	0.09	0.00	0.00	0.06	0.09	0.91	0.44
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.85	0.60	1.27	0.68	0.30	0.31	0.30	0.23
Kinorhyncha	3.75	1.72	0.12	0.17	2.84	0.73	0.24	0.34
Nematoda	87.27	22.70	29.43	16.56	67.33	35.89	85.09	54.71
Oligochaeta	0.24	0.09	0.12	0.17	1.03	0.37	0.36	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	3.63	2.74	4.47	2.89	0.91	0.78	4.05	2.69
Gastropoda	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Nemertea	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	8.34	1.43	1.21	0.48	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.97	0.52	0.54	0.44
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	19.28	4.70	32.39	3.80	113.80	6.00	40.31	28.66
Copepoda Nauplii	3.93	1.88	2.84	0.82	4.90	2.14	2.48	1.37
Ostracoda	0.30	0.43	0.18	0.26	0.66	0.48	3.14	2.22
Amphipoda	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Corophiidae	1.99	0.68	4.53	1.80	6.29	0.70	2.30	2.11
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.36	0.15	0.12	0.17
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	1.39	0.82	1.09	0.51	1.63	0.59	0.85	0.70

Table 16. Meiofaunal abundance (no. cm^{-3}) observed on October 29-30, 2003 at sampling stations (Transect F) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	F30 M	F30 Std	F31 M	F31 Std	F32 M	F32 Std	F33 M	F33 Std
Foraminifera	0.30	0.31	0.36	0.15	1.69	0.09	0.42	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.12	0.09	0.36	0.26	0.48	0.17	0.60	0.31
Kinorhyncha	0.00	0.00	12.27	0.68	108.18	10.51	11.06	0.82
Nematoda	35.29	9.50	52.64	24.83	107.46	7.75	88.60	22.73
Oligochaeta	0.54	0.15	0.24	0.17	2.66	2.61	2.30	0.23
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	0.73	0.44	7.86	3.25	0.97	0.37	0.48	0.23
Gastropoda	0.00	0.00	0.06	0.09	0.00	0.00	0.06	0.09
Bivalvia	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	5.86	4.22	0.24	0.23	0.12	0.09
Acari	0.06	0.09	0.00	0.00	0.30	0.43	0.06	0.09
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	2.12	0.45	20.49	0.26	42.00	3.82	39.83	9.86
Copepoda Nauplii	0.12	0.17	3.87	0.85	3.93	2.14	2.54	0.51
Ostracoda	3.02	1.65	1.51	0.62	2.36	0.92	0.30	0.23
Amphipoda	0.12	0.17	0.00	0.00	0.12	0.09	0.00	0.00
Corophiidae	0.12	0.09	1.99	0.51	3.14	0.70	0.73	0.65
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.06	0.09	0.06	0.09
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.30	0.23	0.42	0.23	1.87	0.62	0.97	0.37

Table 17. Meiofaunal abundance (no. cm^{-3}) observed on December 22-23, 2003 at sampling stations (Transect A) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	A2 M	A2 Std	A3 M	A3 Std	A4 M	A4 Std	A5 M	A5 Std	A6 M	A6 Std
Foraminifera	24.48	10.24	1.99	1.33	0.30	0.23	0.12	0.17	0.12	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.12	0.09	0.00	0.00	0.00	0.00	1.51	0.45	0.30	0.09
Kinorhyncha	0.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	151.09	48.80	88.54	32.09	88.54	13.42	5.26	1.29	18.31	8.83
Oligochaeta	1.63	0.59	0.48	0.31	0.00	0.00	0.48	0.34	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	9.61	0.68	5.62	2.91	2.72	2.60	0.42	0.60	0.18	0.26
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.26	0.12	0.17
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	29.67	7.90	4.65	1.66	6.04	1.72	0.60	0.31	1.63	0.65
Copepoda Naupli	4.77	1.29	2.54	1.18	1.09	0.82	1.57	0.56	7.37	2.94
Ostracoda	17.10	12.26	35.36	22.05	11.06	4.62	0.24	0.09	0.06	0.09
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.66	0.70	1.39	0.45	0.06	0.09	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.30	0.17	0.73	0.59	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.79	0.09	0.30	0.09	0.30	0.31	0.30	0.09	0.18	0.15

Table 18. Meiofaunal abundance (no. cm^{-3}) observed on December 22, 2003 at sampling stations (Transect B) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	B10 M	B10 Std	B11 M	B11 Std	B12 M	B12 Std	B13 M	B13 Std	B14 M	B14 Std
Foraminifera	0.18	0.15	0.06	0.09	0.06	0.09	0.06	0.09	0.00	0.00
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.00	0.00	0.79	0.99	0.06	0.09	0.30	0.31
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	59.41	10.48	4.41	0.95	8.28	5.15	1.33	0.56	2.78	1.51
Oligochaeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	1.27	0.65	0.06	0.09	0.30	0.43	0.00	0.00	0.73	0.90
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.12	0.17	0.00	0.00	0.06	0.09
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	30.64	2.82	1.99	1.03	1.57	0.60	0.06	0.09	0.30	0.17
Copepoda Naupli	24.84	4.41	3.44	0.82	8.82	1.34	0.48	0.09	0.30	0.09
Ostracoda	6.22	2.16	0.36	0.30	0.42	0.09	1.93	2.61	0.12	0.17
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.54	0.26	0.18	0.00	0.42	0.23	0.00	0.00	0.06	0.09

Table 19. Meiofaunal abundance (no. cm^{-3}) observed on December 23, 2003 at sampling stations (Transect C) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	C16 M	C16 Std	C17 M	C17 Std	C18 M	C18 Std	C19 M	C19 Std
Foraminifera	0.00	0.00	1.63	0.89	0.12	0.09	0.12	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.06	0.09	0.00	0.00	0.18	0.26
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	0.12	0.17	10.82	13.52	14.57	13.08	5.56	1.38
Oligochaeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	0.00	0.00	0.24	0.34	1.33	0.09	0.00	0.00
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	0.00	0.00	1.27	1.55	1.63	0.65	0.06	0.09
Copepoda Naupli	0.06	0.09	0.36	0.39	0.73	0.65	0.30	0.23
Ostracoda	0.00	0.00	0.79	0.99	0.66	0.23	1.27	1.29
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.06	0.09	0.30	0.17	0.18	0.15	0.30	0.09

Table 20. Meiofaunal abundance (no. cm^{-3}) observed on December 23-24, 2003 at sampling stations (Transect D) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	D20 M	D20 Std	D21 M	D21 Std	D22 M	D22 Std
Foraminifera	0.00	0.00	0.06	0.09	0.12	0.17
Hydrozoa sessile	0.00	0.00	0.06	0.09	0.00	0.00
Turbellaria	0.24	0.17	0.12	0.17	1.15	0.23
Kinorhyncha	25.50	2.80	4.71	4.12	3.02	0.85
Nematoda	97.54	26.47	61.22	26.20	59.53	13.06
Oligochaeta	0.00	0.00	0.00	0.00	1.15	0.84
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	2.24	1.21	4.71	1.65	9.97	3.09
Gastropoda	0.00	0.00	0.12	0.09	0.06	0.09
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.60	0.37	0.24	0.34	0.18	0.15
Acari	0.00	0.00	0.06	0.09	0.42	0.48
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	23.57	3.46	14.26	5.87	32.21	9.57
Copepoda Naupli	0.91	0.44	0.48	0.31	3.87	1.38
Ostracoda	1.99	0.59	0.30	0.09	0.24	0.23
Amphipoda	0.00	0.00	0.12	0.17	0.06	0.09
Corophiidae	1.99	0.26	1.03	0.37	2.72	0.97
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.06	0.09	0.00	0.00	0.00	0.00
Cumacea	0.06	0.09	0.00	0.00	0.24	0.23
Tanaidacea	0.06	0.09	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.73	0.68	0.54	0.15	1.15	0.37

Table 21. Meiofaunal abundance (no. cm^{-3}) observed on December 23-24, 2003 at sampling stations (Transect E) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	E25 M	E25 Std	E26 M	E26 Std	E27 M	E27 Std	E28 M	E28 Std	E29 M	E29 Std
Foraminifera	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.17	1.21	0.34
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Turbellaria	0.42	0.17	0.97	0.62	0.42	0.34	0.18	0.26	2.54	1.89
Kinorhyncha	18.25	5.28	0.12	0.17	3.20	1.41	0.24	0.09	0.00	0.00
Nematoda	20.85	4.49	48.77	10.06	34.69	16.71	49.20	6.55	40.19	18.67
Oligochaeta	0.48	0.31	0.54	0.39	0.06	0.09	0.24	0.23	0.66	0.70
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	2.66	0.37	3.69	1.38	1.45	0.82	5.50	1.66	1.45	0.92
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Bivalvia	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.12	0.09
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.66	0.09	0.54	0.44	0.06	0.09	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.18	0.15	0.24	0.23	0.06	0.09
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	15.71	1.50	27.38	3.50	43.76	5.93	16.32	3.93	11.48	5.60
Copepoda Naupli	2.12	0.82	0.91	0.15	0.73	0.68	1.69	0.45	1.03	0.43
Ostracoda	0.30	0.17	0.06	0.09	0.30	0.09	2.60	2.40	2.78	0.23
Amphipoda	0.00	0.00	0.12	0.09	0.00	0.00	0.00	0.00	0.12	0.09
Corophiidae	0.54	0.15	1.81	0.39	0.85	0.09	0.12	0.17	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.36	0.26	0.48	0.31	0.00	0.00	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.39
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.79	0.87	0.66	0.43	0.54	0.26	4.35	3.84	0.36	0.15

Table 22. Meiofaunal abundance (no. cm^{-3}) observed on December 23-24, 2003 at sampling stations (Transect F) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	F30 M	F30 Std	F31 M	F31 Std	F33 M	F33 Std	F34 M	F34 Std
Foraminifera	0.66	0.82	0.00	0.00	0.30	0.23	0.18	0.15
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Turbellaria	0.06	0.09	0.00	0.00	0.24	0.23	0.48	0.31
Kinorhyncha	0.00	0.00	18.01	13.16	11.48	6.84	5.56	7.86
Nematoda	629.87	188.15	86.12	32.81	60.92	6.80	59.83	46.60
Oligochaeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	5.38	3.56	2.96	1.09	2.12	1.07	5.20	1.45
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.06	0.09	0.06	0.09	1.51	0.82	0.06	0.09
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	2.72	1.16	22.78	7.67	45.27	12.36	19.16	11.42
Copepoda Naupli	6.04	3.62	0.79	0.17	0.85	0.17	0.79	0.52
Ostracoda	0.00	0.00	1.75	0.45	0.60	0.23	1.99	2.44
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.00	0.00	0.12	0.09	0.06	0.09	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.30	0.31	0.00	0.00	0.00	0.00	0.00	0.00
Dolochopodidae Larvae	0.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	1.51	0.99	1.21	0.62	0.36	0.15	1.39	1.38

Table 23. Meiofaunal abundance (no. cm^{-3}) observed on February 16-17, 2004 at sampling stations (Transect A) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	A2 M	A2 Std	A3 M	A3 Std	A4 M	A4 Std	A5 M	A5 Std
Foraminifera	58.38	23.16	1.27	0.53	0.66	0.09	0.00	0.00
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.48	0.45	0.00	0.00	0.18	0.15	0.06	0.09
Kinorhyncha	0.30	0.31	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	110.24	38.91	32.15	2.71	66.24	2.16	12.51	4.75
Oligochaeta	0.97	0.45	0.00	0.00	0.85	0.23	0.12	0.17
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	15.96	3.67	0.79	0.34	0.24	0.34	0.06	0.09
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.06	0.09	0.06	0.09
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	14.50	1.60	4.41	1.58	3.57	1.78	0.60	0.09
Copepoda Naupli	31.25	14.07	9.79	2.00	2.48	1.40	2.72	0.82
Ostracoda	21.52	1.66	2.24	0.95	18.98	6.10	0.18	0.15
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.79	0.23	1.09	0.26	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolichopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	1.15	0.34	0.79	0.60	0.00	0.00	0.00	0.00
Polyplacophora	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 24. Meiofaunal abundance (no. cm^{-3}) observed on February 16-17, 2004 at sampling stations (Transect B) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	B10 M	B10 Std	B11 M	B11 Std	B12 M	B12 Std	B13 M	B13 Std	B14 M	B14 Std
Foraminifera	0.12	0.17	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.12	0.17	0.06	0.09	0.18	0.15	0.06	0.09
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	49.07	31.26	7.19	1.21	2.42	0.60	14.75	5.30	1.93	0.34
Oligochaeta	0.18	0.15	0.30	0.43	0.12	0.09	0.60	0.85	0.24	0.17
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	2.12	1.04	0.00	0.00	0.18	0.26	0.30	0.31	0.06	0.09
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.18	0.15	0.12	0.17	0.00	0.00	0.24	0.34	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.24	0.34	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.18	0.15	0.30	0.43	0.24	0.23
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	9.55	1.34	1.99	0.97	1.75	0.67	2.30	1.34	0.24	0.09
Copepoda Naupli	24.23	8.90	12.03	5.56	3.38	0.82	1.81	0.89	4.96	1.48
Ostracoda	5.44	0.78	0.85	0.31	0.12	0.17	3.57	2.67	0.54	0.51
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolichopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.06	0.09	0.00	0.00	0.06	0.09	0.12	0.17	0.30	0.23
Polyplacophora	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 25. Meiofaunal abundance (no. cm^{-3}) observed on February 16-17, 2004 at sampling stations (Transect C) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	C16 M	C16 Std	C17 M	C17 Std	C18 M	C18 Std
Foraminifera	1.39	1.01	0.85	0.43	0.06	0.09
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.00	0.00	0.00	0.00	0.30	0.09
Kinorhyncha	0.00	0.00	0.00	0.00	0.00	0.00
Nematoda	58.20	6.41	66.48	40.96	24.54	7.13
Oligochaeta	1.57	0.31	0.48	0.09	1.21	0.31
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	0.73	0.15	0.06	0.09	0.24	0.23
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.24	0.17
Nemertea	0.12	0.17	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.12	0.09	0.00	0.00	0.06	0.09
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	20.73	3.94	6.53	1.43	2.84	1.01
Copepoda Naupli	24.96	5.18	13.18	4.28	5.08	0.90
Ostracoda	1.57	0.89	1.03	0.75	0.36	0.15
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.24	0.09	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.00	0.00
Tanaidacea	0.36	0.26	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Dolichopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.91	0.30	0.12	0.17	0.06	0.09
Polyplacophora	0.00	0.00	0.00	0.00	0.00	0.00

Table 26. Meiofaunal abundance (no. cm^{-3}) observed on February 16-17, 2004 at sampling stations (Transect D) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	D20 M	D20 Std	D21 M	D21 Std	D22 M	D22 Std	D23 M	D23 Std	D24 M	D24 Std
Foraminifera	0.00	0.00	0.42	0.60	3.87	2.62	1.51	0.82	6.65	2.36
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	0.66	0.23	0.66	0.52	0.24	0.09	2.36	1.36	2.05	0.76
Kinorhyncha	4.90	5.12	1.69	2.14	2.66	2.15	22.84	23.90	0.24	0.34
Nematoda	36.75	14.85	82.98	3.63	64.73	17.20	116.64	16.14	212.19	21.37
Oligochaeta	0.12	0.09	1.75	0.73	1.75	0.75	0.85	0.23	1.57	0.31
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	0.66	0.09	1.75	1.34	2.96	1.84	1.21	0.48	0.73	0.26
Gastropoda	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00	0.30	0.23
Nemertea	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.00	0.00	0.00	0.00	0.06	0.09	0.42	0.17	0.48	0.31
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	10.82	2.38	12.27	7.61	30.22	3.95	41.40	11.66	33.30	12.15
Copepoda Naupli	8.52	4.00	11.00	10.56	36.20	20.59	85.15	33.75	10.27	1.29
Ostracoda	0.42	0.17	0.30	0.17	0.60	0.73	1.39	0.60	22.91	12.38
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.15	0.18	0.26
Corophiidae	0.36	0.15	0.18	0.15	0.24	0.23	0.24	0.17	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.06	0.09	0.36	0.39	1.93	0.56	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.23
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolichopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.18	0.15	0.36	0.51	0.42	0.37	0.91	0.26	0.79	0.23
Polyplacophora	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 27. Meiofaunal abundance (no. cm^{-3}) observed on February 16-17, 2004 at sampling stations (Transect E) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	E25 M	E25 Std	E26 M	E26 Std	E28 M	E28 Std	E29 M	E29 Std
Foraminifera	0.18	0.15	0.12	0.17	0.06	0.09	0.79	0.23
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Turbellaria	1.21	0.48	1.27	0.53	0.79	0.48	4.53	2.05
Kinorhyncha	7.68	1.93	0.91	0.53	0.12	0.17	0.06	0.09
Nematoda	41.88	6.71	66.84	4.53	65.82	22.11	45.21	14.44
Oligochaeta	0.42	0.23	1.75	0.68	1.51	0.62	6.89	1.12
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	0.06	0.09	2.30	0.31	2.78	1.79	0.18	0.15
Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.06	0.09	0.06	0.09	0.24	0.09
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.97	1.11	0.00	0.00	0.42	0.37	0.00	0.00
Acari	0.24	0.23	0.00	0.00	0.12	0.09	0.06	0.09
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	8.34	2.33	15.35	6.46	17.04	1.28	16.74	13.68
Copepoda Naupli	22.30	3.64	5.20	3.70	7.92	1.50	4.29	3.90
Ostracoda	0.91	0.77	0.18	0.15	1.45	0.82	3.44	2.18
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corophiidae	0.12	0.17	0.42	0.23	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.15
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolichopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.60	0.31	0.24	0.23	4.23	5.47	0.30	0.17
Polyplacophora	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00

Table 28. Meiofaunal abundance (no. cm^{-3}) observed on February 16-17, 2004 at sampling stations (Transect F) located on Roberts Bank, British Columbia (M = Mean, Std = Standard Deviation).

Taxon	F30 M	F30 Std	F31 M	F31 Std	F32 M	F32 Std	F33 M	F33 Std	F34 M	F34 Std
Foraminifera	5.08	2.53	0.73	0.30	1.51	1.05	0.12	0.17	1.15	0.73
Hydrozoa sessile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turbellaria	1.75	1.29	1.69	0.90	2.48	0.34	1.21	0.23	0.91	0.53
Kinorhyncha	0.54	0.77	5.38	1.97	47.99	10.19	28.22	13.13	0.24	0.23
Nematoda	95.55	49.41	78.20	15.86	135.38	28.50	41.82	12.66	87.15	9.11
Oligochaeta	4.77	3.68	1.93	0.23	2.54	0.44	1.21	0.75	3.51	0.60
Polychaeta Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polychaeta Adult	2.84	2.36	1.99	1.07	0.12	0.09	0.00	0.00	0.18	0.00
Gastropoda	0.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nemertea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tardigrada	0.00	0.00	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Acari	0.06	0.09	0.06	0.09	0.18	0.15	0.60	0.45	0.12	0.17
Cirripedia Nauplii	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calanoida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Harpacticoida	11.00	7.27	17.10	5.26	20.06	1.34	18.13	7.23	3.20	1.73
Copepoda Naupli	96.82	43.36	21.09	7.81	26.59	4.28	6.71	4.79	2.42	0.73
Ostracoda	3.26	1.07	1.15	0.31	2.96	1.90	1.39	0.75	0.73	0.39
Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09
Corophiidae	0.00	0.00	0.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Caprellidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Munnidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isopoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumacea	0.00	0.00	0.12	0.09	0.18	0.15	0.06	0.09	0.00	0.00
Tanaidacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crangonidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Larvae	0.18	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratopogonidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolichopodidae Larvae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collembola	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Holothuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinoidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eggs	0.42	0.23	0.24	0.34	1.09	0.15	0.00	0.00	0.24	0.09
Polyplacophora	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00