The Strait of Georgia Ambient Monitoring Program Phase I, 2002-2007: Sediment and Benthos

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THE STRAIT OF GEORGIA AMBIENT MONITORING PROGRAM PHASE I, 2002-2007: SEDIMENT AND BENTHOS

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ABSTRACT

Wright, C.A., Johannessen, S.J., Macdonald, R.W., Burd, B.J., Hill, P. Van Roodselaar, A., and Bertold, S. 2008. The Strait of Georgia ambient monitoring program: phase I, 2002-2007: sediment and benthos. Can. Data Rep. Fish. Aquat. Sci. 1208: vi + 112 p.

Sediment, sinking particle and water samples were collected in the Strait of Georgia during 2002-2007 as part of a collaborative research project conducted by Fisheries and Oceans Canada, Natural Resources Canada and Metro Vancouver (formerly the Greater Vancouver Regional District). Twenty-two sediment cores were collected and subsampled for later analysis. Core samples were selectively analysed for ^{210}Pb and ^{226}Ra, concentration and stable isotopes of organic carbon and total nitrogen, metals, acid-volatile sulphide (AVS), polychlorinated biphenyls (PCBs), polybrominated diphenyl ethers (PBDEs), polyaromatic hydrocarbons (PAHs) and nonylphenol ethoxylates (NPEOs). Particle fluxes and concentrations of organic carbon, nitrogen, PCBs and PBDEs in sinking particles were measured using sediment traps deployed in the southern Strait in 2004. Benthic communities from nine stations were assessed using twenty-one sediment grabs that were characterized to the highest taxonomic resolution where possible. Additionally, the concentrations of dissolved and total organic carbon were measured at twenty stations along a cruise track from the mouth of Juan de Fuca Strait to the northern Strait of Georgia during four separate cruises in 2003. Data from this project are presented here and stored electronically in the Institute of Ocean Sciences data archive and are available on request (http://www-sci.pac.dfo-mpo.gc.ca/osap/data/default_e.htm).

RÉSUMÉ

Wright, C.A., Johannessen, S.J., Macdonald, R.W., Burd, B.J., Hill, P. Van Roodselaar, A., and Bertold, S. 2008. The Strait of Georgia ambient monitoring program: phase I, 2002-2007: sediment and benthos. Can. Data Rep. Fish. Aquat. Sci. 1208: vi + 112 p.

Des échantillons de sédiment, d’eau et de particules en suspension ont été recueillis dans le détroit de Géorgie entre 2002 et 2007 dans le cadre d'un projet de recherche collaboratif entrepris par Pêches et Océans Canada, Ressources naturelles Canada et Metro Vancouver (anciennement district régional du Grand Vancouver). Vingt-deux carottes de sédiment ont été recueillies et sous-échantillonnées pour analyse ultérieure. L’analyse de certains échantillons de carotte nous a permis de déterminer la concentration de plomb-210 et de radium-226 ainsi que la concentration et la composition des isotopes stables de carbone organique et d’azote total, des métaux, des sulfures volatils en milieu acide (SVMA), des biphényles polychlorés (BPCs), d’éthers diphényliques polybromés (EDPs), d’hydrocarbures aromatiques polycycliques (HAPs) et d’éthoxylates de nonylphénol (NPEOs). Les flux de particules et les concentrations en carbone organique et azote, BPCs et EDPs dans les particules en chute ont été mesurés à l’aide de pièges à sédiment déployés dans la partie sud du détroit en 2004. Les communautés benthiques de neuf stations provenant de vingt et un échantillons ponctuels de sédiment ont été évaluées et caractérisés au degré de résolution taxonomique le plus élevé possible. Les résultats analytiques du travail sont présentés dans ce rapport de données et sont disponibles sous forme électronique sur demande à partir de l’archive de données de l'Institut des sciences de la mer.

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1.0 Introduction

The Strait of Georgia receives particles, organic matter and contaminants from river runoff, atmospheric and seawater exchange, and anthropogenic discharge (Johannessen *et al*., 2003). These influxes affect benthic and pelagic productivity, the burial or processing of contaminants, and the role of the Strait of Georgia in the global carbon cycle. During a 2002-2007 collaborative project carried out by Fisheries and Oceans Canada, Natural Resources Canada and Metro Vancouver (formerly the Greater Vancouver Regional District), we collected and analysed 22 sediment cores and 21 sediment grab samples. The objectives of the project were: (i) to provide a context within which to assess the effects of Metro Vancouver wastewater outfalls, (ii) to develop baseline and temporal trend data against which to measure future change, and (iii) to increase our understanding of the local benthic ecosystems and of the cycling of particles, organic carbon, contaminants in the Strait of Georgia.

In addition to their presentation in this report, all the data from this project are stored electronically in the Institute of Ocean Sciences data archive and are available on request (http://www-sci.pac.dfo-mpo.gc.ca/osap/data/default_e.htm). Portions of the data have been analysed and published by Burd *et al*. (2008a,b,c), Johannessen *et al*. (2008a,b) and Macdonald *et al*. (2008). Additional review and analysis on the sedimentary regime of the Strait of Georgia have also been published by Hill *et al.,* (2008).

2.0 Methods

2.1 Sediment Cores and Traps

In 2002-2004 and 2007, twenty-two sediment box cores were collected in the Strait of Georgia using a Pouliot box corer (cores 1-7) and a Pedersen corer (cores 8-22) (Figure 1, Table 1). Sediment cores were sectioned in the shipboard laboratory within a few hours of collection into 1 cm intervals for the uppermost 10 cm, 2 cm intervals for the next 10 cm and 5 cm intervals for the remainder of the core (20 cm to bottom; core depths ranged from ~20- 50 cm). Sediment consisted primarily of silty mud. Core sections were homogenized and then subsampled for the analyses described below.

Moorings (Figure 1) with two sediment traps each (attached 20 and 50 m off the bottom) were set out at two of the core stations in October 2003 and retrieved in April 2004. Each trap collected 10 sequential samples that represented 21 days each. The moorings were redeployed on April 28, 2004 (A2S and B2), but in August, a trawl or towline resulted in the loss of one mooring and the dragging of a second. On Aug. 22, 2004 the Argos beacon at the top of GVRD B2 started to transmit, indicating that the top portion, at least, of the mooring was on the surface. On Aug 26, 2004, a notice to shipping, P-1333, was issued, indicating two yellow steel buoys adrift at 49°19.184’ N 123°27.8’ W. The top float, pinger and Argos beacon were recovered on Ragged Island in Howe Sound at 49° 22.63’ N 123° 26.89’ W. No further signs of the mooring were found. The other mooring was dragged 10 km upslope to 49° 08.136’ 123° 18.422’ (2AF).

2.2 ^{210}Pb Dating

Subsamples for each core depth were sent to Flett Research Ltd. in Winnipeg, Canada for analysis of ^{210}Pb and ^{226}Ra. ^{210}Pb was measured in all sections of each core (~22 samples/core), following the procedure of Eakins and Morrison (1978), while that of ^{226}Ra was determined at three depths (top, middle, bottom) in each core, from the in-growth of ^{222}Rn over at least 4 days as per Mathieau *et al.* (1988) with modifications by Flett Research Ltd. (2006).

2.3 Contaminants, Organics, Isotopes

A full suite of metals, Pb isotopes, AVS, and porosity was analysed in Cores 1-7 (19-22 sections depending on core) at the Université du Québec. AVS was determined using ICP-MS and methods can be found Gobeil *et al.* (2001). Metals and Pb isotopes were measured using ICP-MS and ICP-AES (Gobeil *et al.* 2005), with mercury measured using AA-MGH (Gobeil *et al.*, 1999). All 209 PCB congeners and 40 PBDE congeners were analyzed in 10 subsamples from each of Cores GVRD-1 to GVRD-7, except core GVRD-4. Only three samples were sent from Core GVRD-4 (top, middle, bottom), because the sedimentation rate from this core could not be determined. PCBs and the PBDEs were measured by high resolution gas chromatography / high resolution mass spectroscopy (general precision ± 30%; precision of duplicates in a batch ± 20% of the mean) (US EPA, 2003a, b). PAHs and NPEOs were measured in 3 subsamples of Cores GVRD-1,2,3,5,7 (top, middle, bottom) (Axys Analytical Services Ltd., 2004, 2006).

Carbon and nitrogen were analysed in the sediment core samples at the University of British Columbia, using the method of Calvert *et al.* (1995), in which organic carbon is calculated as the difference between total and carbonate carbon. Total carbon is measured by combustion and gas chromatography in a CHS analyzer and carbonate carbon by coulometry (precision ± 1.6%, 1 standard deviation).

Stable isotopes of carbon and nitrogen were measured in all the core samples at the University of British Columbia (Calvert *et al.*, 2001)

Sediment trap material was split for different analysis. Half (by volume) of the material in each cup was sent to the University of British Columbia for analysis of total, organic and inorganic carbon, nitrogen, biogenic silica, opal, stable isotopes of carbon and nitrogen, salt, metals and total dry weight (Calvert *et al.* 1995, 2001). To obtain enough material for analysis of organic contaminants, one quarter (by volume) of the material from each collection cup was collected and homogenized with all the other quarter splits from the same sediment trap. The analyses of PCB, PAH, NPEO, and PBDE were performed by Axys Analytical Ltd., as described above for the sediment core samples. The remaining quarter of each sample is archived at the Institute of Ocean Sciences, Sidney, British Columbia.

2.3 Benthic Faunal Sampling

Benthic grab samples were collected at nine of the core locations (GVRD-1, 2, 3, 4, 5, 6, 7, 9, 10; Figure 1), using 0.1m^2 grab samplers (Van Veen or Smyth-Macintyre) and

sieved through a 1 mm mesh. Small and delicate invertebrates were removed during the washing process and all samples were then preserved in 10% buffered formalin with rose bengal stain. Organisms were identified to genus/species, where possible, by Biological Environmental Services, Victoria, British Columbia.

Sites 3 and 4 corresponded to Metro Vancouver stations IONA 8 and 15, which were also sampled and processed independently as part of Metro Vancouver's ongoing nearfield monitoring program (see Burd *et al*., 2008b for review). Grab samples collected at stations GVRD 3 and 4 were subsampled into layers to determine the distribution of benthic invertebrates with depth in the sediment column. These grabs were sampled in 1 cm depth intervals for the top 10 cm, where possible, with the >10 cm portion combined into a single sample. The outermost portion of each sample was excluded, to avoid smearing along the grab walls. In addition to the depth-stratigraphic analysis of the benthic invertebrates in cores GVRD-3 and 4, a small subsample (~30 ml) from each depth interval and each replicate was removed for metals and lead isotope analysis performed by Université du Québec using ICP-MS and ICP-AES (Gobeil *et al.* 2005)

2.4 Foraminifera

Foraminifer samples were taken from the surface (0-1 cm) from cores 3 and 4 and were preserved with 10% buffered formalin with Rose Bengal stain. A fraction of each sample was examined in solution (wet picked), except for Core GVRD-3 intervals 0-1 cm and 40-45 cm, which were wet picked in their entirety. Representative specimens were counted. The unexamined remainder of each sample was dried. Each dried sample was sieved into size fractions and examined. Enough of each sample to count 300 specimens was examined, although small populations required examination of the entire sample. Both foraminifera and thecamoebians were identified. The taxonomy and analysis was performed by Susan Burbidge of Ottawa, Ontario, according to the taxonomy of Loeblich and Tappan (1987).

3.0 References

Axys Analytical Services Ltd. (1996). Method MLA021 Determination of Polycyclic Aromatic Hydrocarbons (PAH), Alkylated Polycyclic Aromatic Hydrocarbons and Alkanes by GC/MS. A Modification of Method 8270C, Semivolatile Organic Compounds by GC/MS, December 1996. U.S. EPA, Engineering and Analysis Division, Office of Science And Technology.

Axys Analytical Services Ltd. (2004). Method MLA-004 Determination of Nonylphenols and nonylphenol ethoxylates by GC/MS. Sidney, B.C.

Burd, B., Barnes, P. A., Wright, C. A. and Thomson, R. E. (2008a). A review of subtidal benthic habitats and invertebrate biota of the Strait of Georgia, British Columbia. Marine Environmental Research, 66, S3-S38.

Burd, B.J., Macdonald, R.W., Johannessen, S.C., and van Roodselaar, A. (2008b), Responses of subtidal benthos of the Strait of Georgia, British Columbia, Canada to ambient sediment conditions and natural and anthropogenic depositions. Marine Environmental Research, 66, S62-S79.

Burd, B., Macdonald, R., van Roodselaar, A., and Wright, C. (2008c). *Axinopsida serricata* shell encrustation: A potential indicator of organic enrichment conditions in sediments in the southern Strait of Georgia, British Columbia, Canada. Marine Environmental Research, 66, S101-111.

Calvert, S.E. and Pedersen, T.F. (1995). On the organic carbon maximum on the continental slope of the eastern Arabian Sea. Journal of Marine Research, 53, 269-296.

Calvert, S.E., Pedersen, T.F. and Karlin, R.E. (2001). Geochemical and isotopic evidence for post-glacial palaeoceanographic changes in Saanich Inlet, British Columbia. Marine Geology, 174, 287-305.

Eakins, J.D. and Morrison, R.T. (1978). A new procedure for the determination of lead-210 in lake and marine sediments. International Journal of Applied Radiation and Isotopes, 29, 531-536.

Gobeil, C., Macdonald, R.W. and Smith, J.N. (1999). Mercury profiles in sediments of Arctic ocean basins. Environmental Science & Technology, 33, 4194-4198.

Gobeil, C., Macdonald, R.W., Smith, J.N. and Beaudin, L. (2001). Atlantic water flow pathways revealed by lead contamination in Arctic Basin sediments. Science, 293, 1301-1304.

Gobeil, C., Rondeau, B. and Beaudin, L. (2005). Contribution of municiple effluents to metal fluxes in the St. Lawrence River. Environmental Science & Technology, 39, 456-464.

Hill, P.R., Conway,K., Lintern, D.G., Meulé, S., Picard, K., and Barrie, J.V. (2008). Sedimentary Processes and Sediment Dispersal in the southern Strait of Georgia, BC, Canada. Marine Environmental Research, 66, S39-S48.

Johannessen, S.C., Macdonald, R.W., and Paton, D.W. (2003). A sediment and organic carbon budget for the greater Strait of Georgia. Estuarine, Coastal and Shelf Science, 56, 845-860.

Johannessen, S.C., Macdonald, R.W., Wright, C.A., Burd, B., Shaw, D.P. and van Roodselaar, A. (2008a). Joined by geochemistry, divided by history: PCBs and PBDEs in Strait of Georgia sediments. Marine Environmental Research, 66, S112-S120.

Johannessen, S.C., Potentier, G., Wright, C.A., Masson, D. and Macdonald, R.W. (2008b). Water column organic carbon in a Pacific marginal sea (Strait of Georgia, Canada). Marine Environmental Research, 66, S49-S61.

Lavelle, J.W., Massoth, G.J. and Crecelius, E.A. (1986). Accumulation rates of recent sediments in Puget Sound, Washington. Marine Geology, 72, 59-70.

Loeblich, A. R. and Tappan, H. 1987. Foraminiferal Genera and their Classification. Van Nostrand Rienhold Co., New York.

Macdonald, R.W., Johannessen, S.C., Gobeil, C., Wright, C., Burd, B., van Roodselaar, A. and Pedersen, T.F. (2008). Sediment redox tracers in Strait of Georgia sediments – Can they inform us of the loadings of organic carbon from municipal wastewater? Marine Environmental Research, 66, S87-S100.

Mathieu, G.G., Biscaye, P.E., Lupton, R.A. and Hammond, D.E. (1988). System for measurement of ^{222}Rn at low levels in natural waters. Health Physics, 55: 989-992.

Robbins, J.A. (1978). Geochemical and geophysical applications of radioactive lead. Nriagu, J.O. (Eds.). The Biogeochemistry of Lead in the Environment. North-Holland Biomedical Press/Elsevier, New York, 285-393 pp.

US EPA (2003a). Determination of Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids and Tissue by HRGC/HRMS. Method 1668 Revision A (with corrections and changes through August 20, 2003). Engineering and Analysis Division, Office of Science and Technology, U.S. EPA, pp. 112+appendices.

US EPA (2003b). Draft Method 1614 Brominated Diphenyl Ethers in Waters,Soil, Sediment, Biosolids and Tissue by HRGC/HRMS. Engineering and Analysis Division, Office of Science and Technology, U.S. EPA, pp. 83.

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Figure 1: Strait of Georgia Ambient Monitoring Program station map.

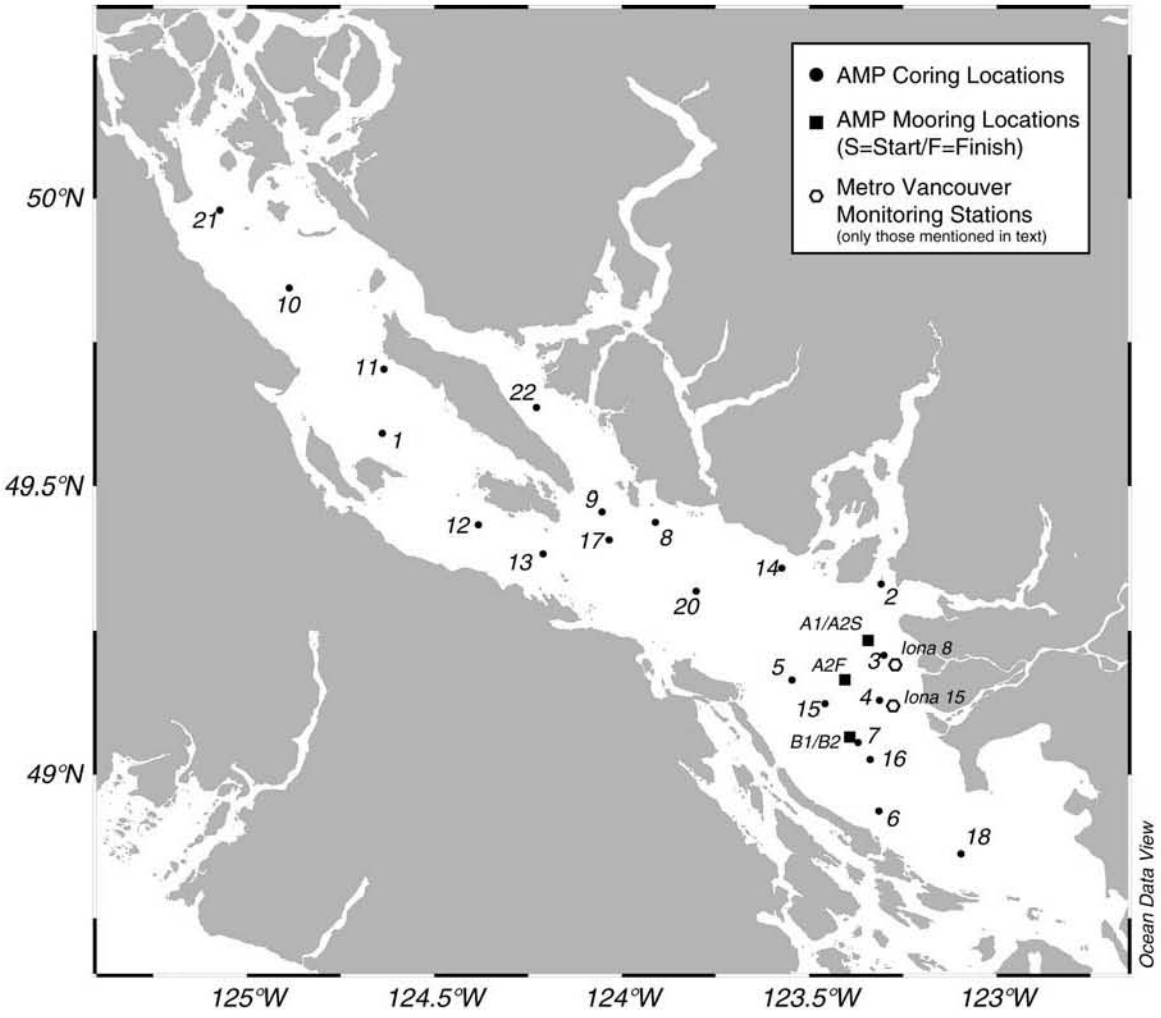

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Table 1: Cruise and coring details and sediment sample descriptions.

Core Description GVRD 1	Possibility of some compaction due to sitting overnight		
Date	June 19, 2003		
Cruise No.	2003-24	Latitude	49 35.515
Event No.	67	Longitude	124 38.275
Core Length	56 cm	Water Depth	169 m

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
0-1	2.5Y 3/2	dusty red	soupy, unconsolidated, rusty oxidation, slightly sulfidic, minor bioturbation	Absent
1-2	2.5Y 3/2	dusty red	soupy, unconsolidated, rusty oxidation, slightly sulfidic, mud star (sea star)	Absent
2-3	2.5Y 3/2	dusty red	soupy, unconsolidated, rusty oxidation, slightly sulfidic	Absent
3-4	5Y 3/2	dark olive gray	grey patches, mud star intact	Absent
4-5	5Y 3/2	dark olive gray	dark olive grey with grey patches, large tube worm	Absent
5-6	5Y 3/2	dark olive gray	dark olive grey with grey patches, large tube worm	Absent
6-7	5Y 3/2	dark olive gray	dark olive grey with grey patches, some woody debris	Absent
7-8	5Y 3/2	dark olive gray	dark olive grey with grey patches, some woody debris, increased consolidation	Absent
8-9	5Y 3/2	dark olive gray	dark olive grey with grey patches, some woody debris, increased consolidation.	Absent
9-10	5Y 3/2	dark olive gray	dark olive grey with grey patches	Absent
10-12	5Y 3/2	dark olive gray	dark olive grey with grey patches, texture change to increased silty/sand	Absent
12-14	5Y 3/2	dark olive gray	dark olive grey with grey patches, slightly sulphidic	Absent
14-16	5Y 3/2-2.5/2	black to dark olive gray	dark olive grey with grey patches	Absent
16-18	5Y 3/2	dark olive gray	dark olive grey with grey patches	Absent
18-20	5Y 3/2	dark olive gray	dark olive grey with grey patches	Absent
20-25	5Y 3/2	dark olive gray	dark olive grey with grey patches	Absent
25-30	5Y 3/2	dark olive gray	dark olive grey with grey patches, slightly sulphidic, reworked black tube	Absent
30-35	5Y 3/2	dark olive gray	dark olive grey with grey patches	Absent
35-40	5Y 3/2	dark olive gray	dark olive grey with grey patches, some mottling, shells and a piece of wood intact	1 pair of valves, *Yoldia thraciaeformis*
40-45	5Y 3/2	dark olive gray	dark olive grey with grey patches, some mottling, and reworked pockets	Absent
45-50	5Y 3/2	dark olive gray	dark olive grey with grey patches, some mottling, and reworked pockets	Absent
50-55	5Y 3/2-2.5/2	dark olive gray to black	dark olive grey with grey patches, some mottling, and reworked pockets	Absent
55	5Y 3/2-2.5/2	dark olive gray to black	dark olive grey with grey patches, some mottling, and reworked pockets	Absent

Table 1: Continued

Core Description GVRD 2	Possible compaction and settling due to sitting overnight		
Cruise No.	2003-24		
Date	June 18, 2003	Latitude	49 19.902
Event No.	52	Longitude	123 18.509
Core Length	48 cm	Water Depth	76 m

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
0-1	2.5Y 3/2	dusty red	errant polychaetes and tubes visible, bioturbated, small tubes	1 pair valves *Axinopsida serricata*
1-2	5Y 3/2	dark olive gray	bioturbated	Absent
2-3	5Y 3/2	dark olive gray	mottled, bioturbated	Absent
3-4	5Y 2.5/2	black to dark olive gray	mottled, bioturbated, large piece of bark	Absent
4-5	5Y 2.5/2	black to dark olive gray	mottled bioturbated, 1-2 cm rock	Absent
5-6	5Y 2.5/2	black to dark olive gray	bioturbated	1 fragmented pair of valves, *M. elminata*
6-7	5Y 2.5/2	black to dark olive gray	mottled, bioturbated, some woody debris	Absent
7-8	5Y 3/2	dark olive gray	mottled, bioturbated, small rock	Absent
8-9	5Y 3/2	dark olive gray	mottled bioturbated, errant polychaetes, polychaete tubes	Absent
9-10	5Y 2.5/2	black to dark olive gray	amounts of woody debris	Absent
10-12	5Y 3/2	dark olive gray	mottled, bioturbated	Absent
12-14	5Y 2.5/2	black to dark olive gray	mottled, bioturbated, layer of shelly debris	2 pairs + 1 valve *Macoma eliminata*
14-16	2.5Y N3	very dark gray	bioturbated, darker in colour	1 pair valves, *Yoldia thraciaeformis*, 1 pair valves, *Yoldia seminuda*, 2 pairs + 1 single valve *Macoma eliminata*
16-18	5Y 2.5/2	black to dark olive gray	less bioturbated	Absent
18-20	2.5Y N3	very dark gray	mottled, polychaete tubes apparent	Absent
20-25	5Y 2.5/2	black to dark olive gray	less bioturbated but still mottled	Absent
25-30	5Y 2.5/2	black to dark olive gray	texture change, ligher in colour and less consolidated	Absent
30-35	5Y 3/1	very dark gray	air pockets, soft, loose sediment, some woody debris	Absent
35-40	5Y 4/1-3/2	dark gray to dark olive gray	softer sediment, more water	Absent
40-45	5Y 4/1-3/2	dark gray to dark olive gray	softer sediment, more water	Absent

Table 1: Continued

Core Description GVRD 3			
Date	December 19, 2002		
Cruise No.	2002-41	Latitude	49 12.467
Event No.	38	Longitude	123 17.992
Core Length	47 cm	Water Depth	183 m

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
0-1	not taken	not taken	dark olive gray, bioturbated, soupy consistencysmall flatworms	Absent
1-2	"	"	not taken	Yes
2-3	"	"	black to dark olive gray, mottled, bioturbated, shell fragments	Yes
3-4	"	"	not taken	Yes
4-5	"	"	"	Yes
5-6	"	"	"	Yes
6-7	"	"	"	No
7-8	"	"	"	Yes
8-9	"	"	"	Yes
9-10	"	"	"	Yes
10-12	"	"	black	Yes
12-14	"	"	not taken	Yes
14-16	"	"	"	Yes
16-18	"	"	"	Yes
18-20	"	"	"	Yes
20-25	"	"	"	Yes
25-30	"	"	black, consolidated	Absent
30-35	"	"	not taken	Absent
35-40	"	"	"	Absent
40-45	"	"	"	Absent

Core Description GVRD 4	Possible compaction due to sitting overnight		
Date	December 19, 2002		
Cruise No.	2002-41	Latitude	49 07.778
Event No.	37	Longitude	123 18.714
Core Length	38 cm	Water Depth	84 m

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
0-1	not taken	not taken	silty mud, black to dark olive gray on surface, bioturbated, micaceous minerals, consolidated, not anoxic	Yes
1-2	"	"	not taken	Yes
2-3	"	"	"	Yes
3-4	"	"	"	Yes
4-5	"	"	"	Yes
5-6	"	"	"	Absent
6-7	"	"	"	Absent
7-8	"	"	"	Yes
8-9	"	"	"	Absent
9-10	"	"	"	Absent
10-12	"	"	"	Absent

Table 1: Continued.

Core Description GVRD 4

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
12-14	not taken	not taken	not taken	Absent
14-16	"	"	"	1 valve *Macoma* spp.
16-18	"	"	"	Absent
18-20	"	"	"	Absent
20-25	"	"	"	Absent
25-30	"	"	"	Absent
30-35	"	"	"	Absent

Core Description GVRD 5

Cruise No.	2002-41	Latitude	49 09.877
Date	December 20, 2002	Longitude	123 32.73
Event No.	76	Water Depth	388 m
Core Length	52 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
0-1	not taken	not taken	wet fine clay, bioturbated, polychaetes and heart urchins	Absent
1-2	"	"	not taken	Absent
2-3	"	"	"	Absent
3-4	"	"	"	Absent
4-5	"	"	"	Absent
5-6	"	"	"	Absent
6-7	"	"	"	Absent
7-8	"	"	"	Absent
8-9	"	"	"	Absent
9-10	"	"	"	Absent
10-12	"	"	"	Absent
12-14	"	"	"	Absent
14-16	"	"	"	Absent
16-18	"	"	"	Absent
18-20	"	"	"	Absent
20-25	"	"	"	Absent
25-30	"	"	"	Absent
30-35	"	"	"	Absent

Core Description GVRD 6

Cruise No.	2003-24	Latitude	48 56.191
Date	June 18, 2003	Longitude	123 18.792
Event No.	44	Water Depth	183 m
Core Length	45 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
0-1	5Y 5/2	dark olive gray	mottled, bioturbated, micaceous minerals, soupy consistency	Absent
1-2	5Y 2.5/2	black to dark olive gray	mottled with black patches	Absent

Table 1: Continued

Core Description GVRD 6

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
2-3	5Y 3/2	dark olive gray	bioturbated, more olive	Absent
3-4	5Y 3/2-2.5/2	dark olive gray to black	mottled, bioturbated	Absent
4-5	5Y 3/2-2.5/2	dark olive gray to black	mottled, bioturbated, slightly darker, Dentalium spp	Absent
5-6	5Y 3/2	dark olive gray	mottled with darker patches	Absent
6-7	5Y 2.5/2	black to dark olive gray	mottled with darker patches	1 pr valves (live) *Yoldia seminuda*
7-8	5Y 3/2	dark olive gray	bioturbated, colour more consistent	1 valve, *Macoma* spp.
8-9	5Y 3/2	dark olive gray	bioturbated, echurian found	1 fragmented valve, Macoma spp.
9-10	5Y 2.5/2	black to dark olive gray	bioturbated with rust coloured streaks, errant polychaete found	Absent
10-12	5Y 2.5/2	black to dark olive gray	bioturbated, less dark olive grey, shell material and a polychaete found	1 pair (live) *Yoldia thraciaeformis*
12-14	5Y 2.5/2	black to dark olive gray	bioturbated	Absent
14-16	5Y 2.5/1	black	less bioturbated	Absent
16-18	5Y 2.5/2	black to dark olive gray	water pockets	1 fragmented valve, no identification
18-20	5Y 2.5/2	black to dark olive gray	compact dark sand, some pieces of woody debris, gastropod shell	Absent
20-25	5Y 2.5/1	black	compact dark sand	1 pair valves, *Macoma* (*nasuta*?)
25-30	5Y 2.5/1	black	compact, darker	Absent
30-35	5Y 2.5/1	black	compact, darker	Absent
35-40	5Y 2.5/1	black	compact, darker, in situ echurian	Absent
40-45	5Y 2.5/1	black	compact, darker	Absent

Core Description GVRD 7

Date	December 6, 2003		
Cruise No.	2003-41	Latitude	49 033.340
Event No.	Not Taken	Longitude	123 22.162
Core Length	45 cm	Water Depth	240 m

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments	Bivalves Collected
0-1	not taken	not taken	polychaetes, bioturbated	not taken
1-2	"	"	"	"
2-3	"	"	"	"
3-4	"	"	"	"
4-5	"	"	"	"
5-6	"	"	"	"
6-7	"	"	"	"
7-8	"	"	"	"
8-9	"	"	"	"
9-10	"	"	"	"
10-12	"	"	"	"
12-14	"	"	"	"
14-16	"	"	"	"

Table 1: Continued

Core Description GVRD 7				
Core Depth (cm)	**Munsell Colour Scale**	**Munsell Colour**	**Description/Comments**	**Bivalves Collected**
16-18	not taken	not taken	not taken	not taken
18-20	"	"	"	"
20-25	"	"	"	"
25-30	"	"	old bioturbated traces, sulphidic, pockets of black soupy sediments	"
30-35	"	"	very sulphidic	"

Core Description GVRD 8			
Cruise No.	BEAM 2007-01	Latitude	49 26.338
Date	July 8, 2007	Longitude	123 54.590
Event No.	NA	Water Depth	214 m
Core Length	66 cm		

Core Depth (cm)	**Munsell Colour Scale**	**Munsell Colour**	**Description/Comments**
0-1	not taken	not taken	wet sediment, very soupy
1-2	"	"	as above
2-3	"	"	dark olive clay, bioturbated
3-4	"	"	as above
4-5	"	"	sulphidic smell
5-6	"	"	consolidated, "sticky", bioturbated, dark olive gray
6-7	"	"	as above but increasinly consolidated
7-8	"	"	as above
8-9	"	"	as above
9-10	"	"	as above
10-12	"	"	dark olive gray with black mottling, somewhat less consolidated
12-14	"	"	as above but greater water content
14-16	"	"	as above
16-18	"	"	no comments
18-20	"	"	no comments
20-25	"	"	increasingly consolidated
25-30	"	"	no comments
30-35	"	"	no comments
35-40	"	"	no comments
40-45	"	"	no comments
45-50	"	"	no comments

Core Description GVRD 9			
Cruise No.	BEAM 2007-01	Latitude	49 27.441
Date	July 12, 2007	Longitude	124 03.148
Event No.	NA	Water Depth	365
Core Length	64		

0-1	5Y 3/2	dark olive gray	bioturbated, worms present, soupy, loose consistency
1-2	5Y 3/2	dark olive gray	bioturbated, worms present, soupy, loose consistency

Table 1: Continued.

Core Description GVRD 9

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
2-3	5Y 3/2	dark olive gray	soupy consistency, bioturbated, holothurian and echinoderm present
3-4	5Y 3/2	dark olive gray	bioturbated
4-5	5Y 3/2	dark olive gray	soupy, water content around edge of liner
5-6	5Y 3/2	dark olive gray	as above
6-7	5Y 3/2	dark olive gray	as above, slightly sulphidic
7-8	5Y 3/2	dark olive gray	as above
8-9	5Y 3/2	dark olive gray	slight black mottling
9-10	5Y 2.5/2	dark olive gray	old burrows present
10-12	5Y 2.5/2	dark olive gray	as above
12-14	5Y 2.5/2	dark olive gray	as above
14-16	5Y 2.5/2	dark olive gray	as above
16-18	5Y 2.5/2	dark olive gray	as above
18-20	5Y 2.5/2	dark olive gray	as above
20-25	5Y 2.5/2	dark olive gray	as above, more dark mottling
25-30	5Y 2.5/2	dark olive gray	as above, slightly sulphidic
30-35	5Y 2.5/2	dark olive gray	as above, but no sulphidic smell
35-40	5Y 2.5/2	dark olive gray	as above but with watery pockes inside old burrows
40-45	5Y 2.5/2	dark olive gray	as above
45-50	5Y 2.5/2	dark olive gray	as above

Core Description GVRD 10

Cruise No.	BEAM 2007-01	Latitude	49 50.672
Date	July 9, 2007	Longitude	124 53.207
Event No.	NA	Water Depth	310 m
Core Length	52 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	not taken	not taken	bioturbated, dark olive green with "red" streaks (likely worms), hummocky
1-2	"	"	no comments
2-3	"	"	no comments
3-4	"	"	loose consistency
4-5	"	"	as above
5-6	"	"	as above
6-7	"	"	increasing in consolidation
7-8	"	"	bioturbated with worm burrows
8-9	"	"	no comments
9-10	"	"	no comments
10-12	"	"	no comments
12-14	"	"	increasing in consolidation, clumping
14-16	"	"	no comments
16-18	"	"	no comments
18-20	"	"	no comments
20-25	"	"	no comments
25-30	"	"	slight sulphidic smell
30-35	"	"	no comments
35-40	"	"	no comments
40-45	"	"	no comments

Table 1. Continued.

Core Description GVRD 11			
Cruise No.	BEAM 2007-01	Latitude	49 42.189
Date	July 11, 2007	Longitude	124 38.015
Event No.	NA	Water Depth	336 m
Core Length	Not Known		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	not taken	not taken	bioturbated, worm burrows/tubes on surface, spiclues, soupy, wet consistency
1-2	"	"	as above
2-3	"	"	no comments
3-4	"	"	loose but increasing in consolidation
4-5	"	"	polychaete worm present
5-6	"	"	no comments
6-7	"	"	increasing consistency, strong sulphidic smell
7-8	"	"	no comments
8-9	"	"	no comments
9-10	"	"	no comments
10-12	"	"	no comments
12-14	"	"	no comments
14-16	"	"	no comments
16-18	"	"	no comments
18-20	"	"	no comments
20-25	"	"	no comments
25-30	"	"	no comments
30-35	"	"	2 separated valves from bivavles
35-40	"	"	bivalve shell fragments (<1 cm)
40-45	"	"	sulphidic smell
45-50	"	"	no comments

Core Description GVRD 12			
Cruise No.	BEAM 2007-01	Latitude	49 26.201
Date	July 11, 2007	Longitude	124 22.922
Event No.	NA	Water Depth	328 m
Core Length	Not Known		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	5Y 2.5/1	dark olive gray	some mottling
1-2	5Y 3/2	dark olive gray	as above
2-3	5Y 3/2	dark olive gray	some evidence of iron oxidation
3-4	5Y 3/2	dark olive gray	as above with increasing consolidation
4-5	5Y 3/2	dark olive gray	as above with some black mottling
5-6	5Y 3/2	dark olive gray	as above
6-7	5Y 3/2	dark olive gray	as above
7-8	5Y 3/2	dark olive gray	as above with increased consolidation
8-9	5Y 3/2	dark olive gray	as above
9-10	5Y 3/2	dark olive gray	as above with increased black mottling, higher water content
10-12	5Y 3/2	dark olive gray	as above
12-14	5Y 3/2	dark olive gray	as above
14-16	5Y 3/2	dark olive gray	as above but increased consolidation

Table 1: Continued.

Core Description GVRD 12

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
16-18	5Y 3/2	dark olive gray	as above
18-20	5Y 3/2	dark olive gray	as above
20-25	5Y 3/2	dark olive gray	as above
25-30	5Y 3/2	dark olive gray	2 cm x 4 cm piece of iron slag found in this layer
30-35	5Y 3/2	dark olive gray	black mottling present with slight sulphidic smell
35-40	5Y 2.5/2	dark olive gray to black	strong sulphidic smell
40-45	5Y 3/2	dark olive gray	increased water content produces soupier consistency that levels above it
45-50	5Y 3/2	dark olive gray	lots of water pockets but some stiff sediment regions

Core Description GVRD 13

Cruise No.	BEAM 2007-01	Latitude	49 23.056
Date	July 12, 2007	Longitude	124 12.611
Event No.	NA	Water Depth	326 m
Core Length	39 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	not taken	not taken	worm tubes and spicules present
1-2	"	"	no comments
2-3	"	"	no comments
3-4	"	"	no comments
4-5	"	"	worm tubes present
5-6	"	"	work tubes and spicules present
6-7	"	"	no comments
7-8	"	"	some sediment consolidation, black mottling
8-9	"	"	no comments
9-10	"	"	no comments
10-12	"	"	no comments
12-14	"	"	no comments
14-16	"	"	no comments
16-18	"	"	sediment very stiff and dry, spicules but no more worm tubes
18-20	"	"	no comments
20-25	"	"	no comments
25-30	"	"	bivalve shell fragements, clay look consistency
30-35	"	"	no comments

Table 1: Continued.

Core Description GVRD 14			
Cruise No.	BEAM 2007-01	Latitude	49 21.553
Date	July 13, 2007	Longitude	123 34.37
Event No.	NA	Water Depth	160 m
Core Length	43 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	2.5Y 4/2	dark grayish brown	watery, lighter sediment on top, bioturbated and hummocky
1-2	2.5Y 4/2	dark grayish brown	as above
2-3	5Y 3/2	dark olive gray	holothuroid on surface, increased consolidation
3-4	5Y 3/2	dark olive gray	as above with increasing consolidation (still watery)
4-5	5Y 3/2	dark olive gray	as above
5-6	5Y 3/2	dark olive gray	as above
6-7	5Y 3/2	dark olive gray	as above
7-8	5Y 3/2 mottled with 5Y 2.5/2	dark olive gray	as above but with black mottling (old burrows?), still soupy along the edge of the liner but center is consolidated
8-9	5Y 3/2	dark olive gray	as above
9-10	5Y 3/2	dark olive gray	as above
10-12	5Y 3/2	dark olive gray	as above but with slight black mottling (old burrows?)
12-14	5Y 3/1	very dark gray	as above, but increased water content in center of core
14-16	5Y 3/1	very dark gray	as above
16-18	5Y 3/1	very dark gray	as above
18-20	5Y 3/1 to 3/2	dark olive gray	as above (still watery in pockets)
20-25	5Y 3/2	dark olive gray	as above
25-30	5Y 3/1	very dark gray	as above
30-35	5Y 3/1	very dark gray	as above, increased consolidation
35-40	5Y 3/1	very dark gray	as above , sediment firm

Core Description GVRD 15			
Cruise No.	BEAM 2007-01	Latitude	49 07.44
Date	July 14, 2007	Longitude	123 27.482
Event No.	NA	Water Depth	296 m
Core Length	33 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	5Y 3/1	very dark gray	fecal pellets on surface, floc, bioturbated, some black precipitate, worm tubes on surface
1-2	5Y 3/1	very dark gray	as above, wet
2-3	5Y 3/1	very dark gray	as above
3-4	5Y 3/1	very dark gray	as above with increased consolidation, tubes present, bioturbated
4-5	5Y 3/1	very dark gray	as above but less bioturbated
5-6	5Y 3/2 to 2.5/2	dark olive gray to black	as above, increased consolidation, sticky, slight reducing smell

Table 1: Continued

Core Description GVRD 15

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
6-7	5Y 3/2 to 2.5/2	dark olive gray to black	sticky and consolidated, but at bottom of section, increased water content (old tube pocket), reducing smell
7-8	5Y 3/2 mottled with 5Y 2.5/2	dark olive gray to black	more watery due to the presence of sediment pockets
8-9	5Y 3/1	very dark gray	sediment pockets not present but still watery
9-10	5Y 3/1	very dark gray	sediment consolidated
10-12	5Y 3/2 mottled with 5Y 2.5/2	dark olive gray mottled with black	sticky with a calcium carbonate "lime" smell
12-14	5Y 3/2 mottled with 5Y 2.5/2	dark olive gray mottled with black	as above, but holothuroid at edge of liner
14-16	5Y 2.5/2 to 2.5/1	black	as above, remains of holothuroid and tube continue
16-18	5Y 2.5/1	black	as above
18-20	5Y 2.5/1	black	as above
20-25	5Y 2.5/1	black	as above
25-30	5Y 2.5/1	black	as above

Core Description GVRD 16

Cruise No.	2007-58	Latitude	49 01.605
Date	November 6, 2007	Longitude	123 20.237
Event No.	Not Recorded	Water Depth	210 m
Core Length	23 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	5Y 3/2	dark olive gray	soupy, no smell, gritty texture (less water content than north stations)
1-2	5Y 3/2	dark olive gray	relatively firm, gritty, bioturbated, shell fragments, worm tubes
2-3	5Y 2.5/1	black	firm and consolidated, gritty texture, worm tubes, shell fragments, slight odour
3-4	5Y 2/2	black	as above, some brown infill sediments into old burrows; *Macoma spp*. valves, strong carbonate smell
4-5	5Y 2/2	black	as above, *Macoma spp*. valves, polychaetes
5-6	5Y 2.5/2	black	as above, colour more brown, texture is more sandy
6-7	5Y 3/2	dark olive gray	sandy, very consolidated, old bioturbation burrows, dediment is sticky
7-8	5Y 2.5/2	black	as above with small worms, black/gray mottling
8-9	5Y 2.5/2	black	as above
9-10	5Y 2.5/1	black	as above with black streaks and mottling
10-12	5Y 2.5/1	black	as above, a water pocket begins at the top of this interval
12-14	5Y 2.5/1	black	as above, Compack dark, sticky (almost spongy), sandy texture

Table 1: Continued.

Core Description GVRD 16

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
14-16	5Y 2.5/1	black	as above but slightly more water content, sulphidic smell
16-18	5Y 2.5/1	black	as above, old burrows present
18-20	5Y 2.5/1	black	as above
20-22.5	5Y 2.5/1	black	as above

Core Description GVRD 17

Cruise No.	2007-58	Latitude	49 24.508
Date	November 6, 2007	Longitude	124 02.043
Event No.	Not Recorded	Water Depth	410 m
Core Length	56 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	5YR 2.5/1	dark brown	wet, soupy consistency, fecal material, bioturbated with polychaetes, burrows
1-2	5YR 2.5/1	dark brown	set, soupy consistency, fecal material, bioturbated with polychaetes, burrows
2-3	5YR 2.5/1 with 5Y 3/2	dark brown/dark olive gray	increased consolidation, bioturbated, texture of fine silty mud, mottled with olive gray
3-4	5Y 3/2	dark olive gray	as above, slightly more consolidated
4-5	2.5Y 3/2	dark olive gray	fine silty texture with some clay component, brown floc intermixed
5-6	2.5Y 3/2	dusty red	as above, no smell
6-7	2.5Y 3/2 (mottled)	dusty red	as above, increased consolidation
7-8	2.5Y 3/2	dusty red	as above, compact, carbonate smell
8-9	2.5Y 3/2	dusty red	as above with some black pockets.
9-10	2.5Y 3/2	dusty red	as above, quite consolidated
10-12	5Y 3/2	dark olive gray	as above with mottling and old burrows containing black sediments
12-14	5Y 3/2	dark olive gray	as above
14-16	5Y 3/2	dark olive gray	as above, but black flecks in old burrows, carbonate but slightly sulphidic smell
18-20	5Y 3/2	dark olive gray	as above, old burrows present.
20-25	5Y 3/2	dark olive gray	some increase in water content, some black mottling.
25-30	5Y 3/2	dark olive gray	as above
30-35	5Y 3/2	dark olive gray	as above
35-40	5Y 3/2	dark olive gray	as above
40-45	5Y 3/2	dark olive gray	as above but there was a 1" x 3" piece of wood in the sample
45-50	5Y 3/2	dark olive gray	sediment as above with some woody debris

Table 1: Continued.

Core Description GVRD 18			
Cruise No.	2007-67	Latitude	48 51.762
Date	November 29, 2007	Longitude	123 05.681
Event No.	Not Recorded	Water Depth	157 m
Core Length	20 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	not taken	not taken	sandy/silty, gray-black with green, shell has, worm tubes, barncle and shelly debris
1-2	"	"	as above
2-3	"	"	as above but increased consolidation, slightly "muddier"
3-4	"	"	odour similar to iodine
4-5	"	"	sandy, colour as above, some shell debris, increased consolidation
5-6	"	"	as above, polychaetes present
6-7	"	"	contains a dried shell layer
7-8	"	"	no comments
8-9	"	"	no comments
9-10	"	"	small holothurian
10-11	"	"	no comments
11-12	"	"	consolidated but one side has higher water content, silty
12-13	"	"	small holothurian
13-14	"	"	no comments
14-15	"	"	no comments
15-16	"	"	no comments
16-17	"	"	some shell debris
17-18	"	"	no comments
18-19	"	"	some shell debris

Core Description GVRD 19			
Cruise No.	2007-58	Latitude	49 01.12
Date	November 6, 2007	Longitude	123 23.09
Event No.	Not Recorded	Water Depth	255 m
Core Length	21 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	5Y 3/2	dark olive gray	soupy silty mud, bioturbated, lots of polychaetes
1-2	5Y 3/2	dark olive gray	as above
2-3	5Y 3/2	dark olive gray	as above, increased consolidation, polychaetes, burrows, water pocket
3-4	5Y 3/2	dark olive gray	as above, a piece of heart urchin
4-5	5Y 3/2	dark olive gray	as above
5-6	5Y 3/2	dark olive gray	as above, polychaets, more heart urchin, sediment consolidation.
6-7	5Y 3/2	dark olive gray	as above
7-8	5Y 3/2	dark olive gray	as above, but no more hear urchin present.

Table 1: Continued.

Core Description GVRD 19

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
8-9	5Y 3/2	dark olive gray	as above, but some form of hard worm tube present, metallic speckles in the sediments
9-10	5Y 2.5/2	black	as above but slightly darker in colour
10-12	5Y 2.5/2	black	as above but increased water content around the tube
12-14	5Y 2.5/2	black	as above with some brownish mottling
14-16	5Y 2.5/2	black	as above, old burrows infilled with brown deposits
16-18	5Y 2.5/2	black	as above, increased water content
18-20	5Y 2.5/2	black	as above.

Core Description GVRD 20

Cruise No.	2007-67	Latitude	49 19.162
Date	November 29, 2007	Longitude	123 48.092
Event No.	Not Taken	Water Depth	365 m
Core Length	57 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	not taken	not taken	dark olive gray with brown mottling, bioturbated, soupy
1-2	"	"	as above, bioturbated
2-3	"	"	some brown staining, manganese?
3-4	"	"	porous, muddy texture
4-5	"	"	as above with small piece of wood
5-6	"	"	no comments
6-7	"	"	no comments
7-8	"	"	slightly more consolidated with some sulphidic smell
8-9	"	"	no comments
9-10	"	"	no comments
10-12	"	"	no comments
12-14	"	"	no comments
16-18	"	"	no comments
18-20	"	"	no comments
20-25	"	"	no comments
25-30	"	"	no comments
30-35	"	"	uniform consistency, no sulphidic smell
35-40	"	"	no comments
40-45	"	"	slightly drier sediments, consolidated
45-50	"	"	some black mottling.
50-55	"	"	very stiff and consolidated, small piece of shell debris

Table 1: Continued.

Core Description GVRD 21			
Cruise No.	2007-67	Latitude	49 58.8
Date	December 1, 2007	Longitude	125 04.30
Event No.	Not Taken	Water Depth	260 m
Core Length	45.3 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	not taken	not taken	surface has brown (Mn-oxide?) on surface with dark olive green below, soupy consistency
1-2	"	"	soupy, some black speckles on surface
2-3	"	"	no comments
3-4	"	"	small heart urchin
4-5	"	"	silty mud, slightly sulphidic, small piece of shell debris
5-6	"	"	no comments
6-7	"	"	increased consolidation
7-8	"	"	no comments
8-9	"	"	stronger sulphidic smell
9-10	"	"	no comments
10-12	"	"	no comments
12-14	"	"	no comments
14-16	"	"	piece of shell debris in sample
16-18	"	"	no comments
18-20	"	"	Increased consolidation
20-25	"	"	sulphidic
25-30	"	"	no comments
30-35	"	"	sediments dry and sulphidic
35-40	"	"	no comments

Core Description GVRD 22			
Cruise No.	2007-67	Latitude	49 38.192
Date	December 1, 2007	Longitude	124 13.642
Event No.	Not Taken	Water Depth	373 m
Core Length	69 cm		

Core Depth (cm)	Munsell Colour Scale	Munsell Colour	Description/Comments
0-1	not taken	not taken	top is dark (Mn?), small worms, soupy consistency
1-2	"	"	olive green and soupy
2-3	"	"	gel-like consistency
3-4	"	"	as above
4-5	"	"	no comments
5-6	"	"	no comments
6-7	"	"	no comments
7-8	"	"	possibly this is the base of the mixed layer, changed to a sticky consistency
8-9	"	"	no comments
9-10	"	"	no comments
10-12	"	"	no comments
12-14	"	"	some varving, with alternating green and black layers

Table 1: Continued.

Core Description GVRD 22			
Core Depth (cm)	**Munsell Colour Scale**	**Munsell Colour**	**Description/Comments**
16-18	"	"	no varves, sulphidic smell
18-23	"	"	mottling
23-28	"	"	dry, no mottling
28-33	"	"	slight watery content, old burrow?
33-38	"	"	no comments
38-43	"	"	woody debris and shell debris
43-48	"	"	no comments
48-53	"	"	increased consolidation

Table 2: Results of the ^{210}Pb anaylsis.

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
Core 1																									
0-1	0	1	0	1	4.92	5.58	1.10	0.19	0.22	0.22	0.11	2786	8	2778	726	5	721.00	0.497	0.430	30000	1.01	17.57	10.3601	0.4024
1-2	1	2	1	2	4.92	5.69	1.37	0.25	0.28	0.50	0.36	2394	9	2385	737	3	734.00	0.527	0.472	30000	1.01	17.57	11.2204	0.4297
2-3	2	3	2	3	4.92	5.56	1.13	0.20	0.23	0.73	0.62	2658	13	2645	888	5	883.00	0.559	0.487	30000	1.01	17.57	11.7914	0.4132
3-4	3	4	3	4	4.92	5.59	1.18	0.21	0.24	0.97	0.85	2167	7	2160	673	3	670.00	0.562	0.493	30000	1.01	17.57	10.8282	0.4349
4-5	4	5	4	5	4.92	5.70	1.30	0.23	0.26	1.24	1.11	2124	11	2113	568	12	556.00	0.517	0.459	30000	1.01	17.57	9.8603	0.4416
5-6	5	6	5	6	4.92	5.66	1.26	0.23	0.26	1.49	1.37	2702	4	2698	677	4	673.00	0.496	0.439	30000	1.01	17.57	9.7819	0.3923
6-7	6	7	6	7	4.92	5.71	1.34	0.24	0.27	1.77	1.63	2116	12	2104	602	4	598.00	0.523	0.467	30000	1.01	17.57	10.4828	0.4461
7-8	7	8	7	8	4.92	5.72	1.34	0.24	0.27	2.04	1.90	1996	11	1985	492	4	488.00	0.522	0.466	30000	1.01	17.57	9.0898	0.4288
8-9	8	9	8	9	4.92	5.71	1.34	0.24	0.27	2.31	2.17	2073	8	2065	497	5	492.00	0.553	0.494	30000	1.01	17.57	8.3108	0.3912
9-10	9	10	9	10	4.92	5.72	1.36	0.25	0.28	2.59	2.45	2107	9	2098	470	3	467.00	0.531	0.475	30000	1.01	17.57	8.0742	0.3886
10-12	10	12	10	12	4.92	5.76	1.42	0.26	0.58	3.16	2.88	1889	13	1876	308	5	303.00	0.548	0.493	30000	1.01	17.57	5.6461	0.3406
12-14	12	14	12	14	4.92	5.81	1.50	0.28	0.61	3.78	3.47	2119	7	2112	316	3	313.00	0.530	0.480	30000	1.01	17.57	5.3217	0.3136
14-16	14	16	14	16	4.92	5.86	1.52	0.28	0.62	4.39	4.08	1990	4	1986	207	4	203.00	0.524	0.475	30000	1.01	17.57	3.7121	0.2743
16-18	16	18	16	18	4.92	5.83	1.52	0.28	0.62	5.01	4.70	1868	11	1857	185	4	181.00	0.520	0.471	30000	1.01	17.57	3.5651	0.2796
18-20	18	20	18	20	4.92	5.81	1.53	0.28	0.62	5.63	5.32	2586	8	2578	196	5	191.00	0.537	0.487	30000	1.01	17.57	2.6204	0.2008
20-25	20	25	20	25	4.92	5.89	1.63	0.30	1.66	7.29	6.46	2032	9	2023	114	3	111.00	0.533	0.487	30000	1.01	17.57	1.9427	0.1954
25-30	25	30	25	30	4.92	5.84	1.63	0.30	1.66	8.95	8.12	2046	13	2033	85	5	80.00	0.549	0.502	30000	1.01	17.57	1.3511	0.1653
30-35	30	35	30	35	4.92	5.83	1.62	0.30	1.65	10.59	9.77	2276	7	2269	87	3	84.00	0.544	0.497	30000	1.01	17.57	1.2837	0.1496
35-40	35	40	35	40	4.92	5.77	1.59	0.30	1.62	12.21	11.40	2029	11	2018	88	12	76.00	0.578	0.528	30000	1.01	17.57	1.2300	0.1670
40-45	40	45	40	45	4.92	5.89	1.69	0.32	1.72	13.93	13.07	1851	12	1839	64	4	60.00	0.557	0.511	30000	1.01	17.57	1.1006	0.1561
45-50	45	50	45	50	4.92	6.03	1.85	0.35	1.88	15.82	14.87	2370	11	2359	70	4	66.00	0.565	0.523	30000	1.01	17.57	0.9233	0.1241
50-55	50	55	50	55	4.92	5.81	1.77	0.33	1.80	17.61	16.71	2463	8	2455	71	5	66.00	0.550	0.508	30000	1.01	17.57	0.9125	0.1243
12-14 Dup	12	14	12	14	4.92	5.81	1.50	0.28	0.61	3.78	3.47	2143	11	2132	262	12	250.00	0.479	0.434	30000	1.01	17.57	4.6590	0.2885
35-40 Dup	35	40	35	40	4.92	5.77	1.59	0.30	1.62	12.21	11.40	1334	4	1330	42	4	38.00	0.520	0.475	30000	1.01	17.57	1.0372	0.1745
Core 2																									
0-1	0	1	0	1.0	4.92	6.39	2.30	0.44	0.47	0.47	0.23	807	7	800	251	4	247.00	0.572	0.539	30000	1.01	17.57	9.9038	0.6595
1-2	1	2	1	2.0	4.92	6.76	2.80	0.54	0.57	1.04	0.75	733	5	728	258	3	255.00	0.594	0.566	30000	1.01	17.57	10.6942	0.6973
2-3	2	3	2	3.0	4.92	6.84	2.94	0.57	0.60	1.63	1.34	738	14	724	230	13	217.00	0.509	0.487	30000	1.01	17.57	10.6498	0.7872
3-4	3	4	3	4.0	4.92	7.17	3.55	0.70	0.72	2.36	1.99	990	5	985	287	3	284.00	0.537	0.519	30000	1.01	17.57	9.6143	0.5928
4-5	4	5	4	5.0	4.92	6.88	3.11	0.61	0.63	2.99	2.67	1162	8	1154	335	7	328.00	0.582	0.559	30000	1.01	17.57	8.7987	0.5104
5-6	5	6	5	6.0	4.92	6.89	3.08	0.60	0.63	3.61	3.30	796	7	789	236	7	229.00	0.542	0.520	30000	1.01	17.57	9.6561	0.6763
6-7	6	7	6	7.0	4.92	6.85	3.11	0.61	0.63	4.24	3.93	594	8	586	168	4	164.00	0.528	0.507	30000	1.01	17.57	9.5468	0.7854
7-8	7	8	7	8.0	4.92	6.98	3.17	0.62	0.65	4.89	4.57	1259	5	1254	347	3	344.00	0.535	0.514	30000	1.01	17.57	9.2340	0.5166
8-9	8	9	8	9.0	4.92	6.24	3.31	0.65	0.67	5.56	5.23	598	7	591	177	4	173.00	0.553	0.537	30000	1.01	17.57	9.4368	0.7544
9-10	9	10	9	10.0	4.92	7.01	3.25	0.64	0.66	6.22	5.89	954	5	949	291	3	288.00	0.525	0.505	30000	1.01	17.57	10.3956	0.6366
10-12	10	12	10	12.0	4.92	7.10	3.41	0.67	1.39	7.61	6.92	703	14	689	193	13	180.00	0.542	0.523	30000	1.01	17.57	8.6480	0.7092
12-14	12	14	12	14.0	4.92	7.35	3.80	0.75	1.55	9.16	8.38	679	5	674	182	3	179.00	0.552	0.535	30000	1.01	17.57	8.5909	0.6712
14-16	14	16	14	16.0	4.92	7.67	4.26	0.84	1.73	10.89	10.02	962	8	954	181	7	174.00	0.508	0.495	30000	1.01	17.57	6.3841	0.5171
16-18	16	18	16	18.0	4.92	7.13	3.62	0.71	1.47	12.36	11.62	723	7	716	93	7	86.00	0.516	0.499	30000	1.01	17.57	4.1615	0.4976
18-20	18	20	18	20.0	4.92	7.32	3.72	0.73	1.51	13.87	13.11	612	8	604	77	4	73.00	0.567	0.549	30000	1.01	17.57	3.8105	0.4831
20-25	20	25	20	25.0	4.92	7.20	3.58	0.70	3.63	17.50	15.69	1203	5	1198	142	3	139.00	0.532	0.514	30000	1.01	17.57	3.9044	0.3478
25-30	25	30	25	30.0	4.92	7.17	3.49	0.69	3.55	21.05	19.28	911	14	897	76	13	63.00	0.585	0.565	30000	1.01	17.57	2.1519	0.3314
30-35	30	35	30	35.0	4.92	7.10	3.42	0.67	3.47	24.52	22.79	1263	7	1256	100	4	96.00	0.560	0.540	30000	1.01	17.57	2.4486	0.2675
35-40	35	40	35	40.0	4.92	7.22	3.51	0.69	3.57	28.09	26.31	1303	5	1298	88	3	85.00	0.516	0.498	30000	1.01	17.57	2.2749	0.2626
40-45	40	45	40	45	4.92	7.35	3.63	0.71	3.68	31.78	29.94	996	5	991	73	3	70.00	0.580	0.560	30000	1.01	17.57	2.1813	0.2794
35-40 Duplicate	30	35	30	35.0	4.92	7.10	3.42	0.69	3.57	24.52	22.79	1380	14	1366	105	13	92.00	0.575	0.555	30000	1.01	17.57	2.0310	0.2550
40-45 Duplicate	40	45	40	45	4.92	7.35	3.63	0.74	3.68	31.78	29.94	671	8	663	62	7	55.00	0.559	0.540	30000	1.01	17.57	2.6580	0.4128
Core 3																									
0-1	0	1	0	1	4.92	7.43	3.54	0.69	0.69	0.69	0.35	2268	7	2261	254	4	250.00	0.543	0.523	30000	1.02	17.62	3.6604	0.2432
1-2	1	2	1	2	4.92	7.43	3.85	0.76	0.76	1.45	1.07	1977	5	1972	181	3	178.00	0.519	0.503	30000	1.02	17.62	3.1087	0.2450
2-3	2	3	2	3	4.92	7.50	3.96	0.78	0.78	2.23	1.84	1991	14	1977	227	13	214.00	0.518	0.503	30000	1.02	17.62	3.7304	0.2793
3-4	3	4	3	4	4.92	7.71	4.32	0.85	0.85	3.09	2.66	2053	5	2048	206	3	203.00	0.532	0.518	30000	1.02	17.62	3.3139	0.2441
4-5	4	5	4	5	4.92	7.83	4.49	0.89	0.89	3.98	3.53	2499	8	2491	246	7	239.00	0.515	0.502	30000	1.02	17.62	3.3086	0.2277
5-6	5	6	5	6	4.92	8.33	5.17	1.03	1.03	5.01	4.49	2001	7	1994	196	7	189.00	0.528	0.517	30000	1.02	17.62	3.1740	0.2475
6-7	6	7	6	7	4.92	7.97	4.71	0.93	0.93	5.94	5.47	1843	8	1835	214	4	210.00	0.519	0.507	30000	1.02	17.62	3.9095	0.2843
7-8	7	8	7	8	4.92	8.26	5.05	1.00	1.00	6.95	6.44	1444	5	1439	131	3	128.00	0.543	0.532	30000	1.02	17.62	2.8987	0.2711
8-9	8	9	8	9	4.92	8.43	5.44	1.09	1.09	8.03	7.49	2390	7	2383	172	4	168.00	0.564	0.554	30000	1.02	17.62	2.2055	0.1801
9-10	9	10	9	10	4.92	8.76	5.92	1.18	1.18	9.22	8.62	1165	14	1151	111	13	98.00	0.546	0.537	30000	1.02	17.62	2.7452	0.3226
10-12	10	12	10	12	4.92	8.78	5.59	1.12	2.23	11.45	10.33	1903	5	1898	145	3	142.00	0.519	0.509	30000	1.02	17.62	2.5453	0.2255
12-14	12	14	12	14	4.92	8.29	5.36	1.07	2.14	13.59	12.52	1377	8	1369	112	7	105.00	0.536	0.526	30000	1.02	17.62	2.5245	0.2713

Table 2: Continued.

Core 3

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
14-16	14	16	14	16	4.92	8.23	5.09	1.01	2.03	15.61	14.60	1766	7	1759	141	7	134.00	0.509	0.499	30000	1.02	17.62	2.6469	0.2485
16-18	16	18	16	18	4.92	8.17	5.04	1.00	2.01	17.62	16.62	1515	8	1507	109	4	105.00	0.506	0.496	30000	1.02	17.62	2.4354	0.2550
18-20	18	20	18	20	4.92	7.96	4.70	0.93	1.87	19.49	18.55	1814	5	1809	128	3	125.00	0.512	0.500	30000	1.02	17.62	2.3927	0.2266
20-25	20	25	20	25	4.92	7.96	4.78	0.95	4.75	24.24	21.86	1721	7	1714	106	4	102.00	0.505	0.494	30000	1.02	17.62	2.0874	0.2220
25-30	25	30	25	30	4.92	8.01	4.75	0.94	4.72	28.95	26.60	2179	5	2174	138	3	135.00	0.531	0.519	30000	1.02	17.62	2.0729	0.1886
30-35	30	35	30	35	4.92	8.26	5.02	1.00	5.00	33.95	31.45	2138	5	2133	117	3	114.00	0.532	0.521	30000	1.02	17.62	1.7782	0.1767
35-40	35	40	35	40	4.92	8.22	5.09	1.01	5.07	39.02	36.49	2056	7	2049	119	7	112.00	0.520	0.509	30000	1.02	17.62	1.8587	0.1927
40-45	40	45	40	45	4.92	8.15	4.91	0.98	4.88	43.90	41.46	1439	5	1434	80	3	77.00	0.551	0.539	30000	1.02	17.62	1.7259	0.2112
6-7 Duplicate	6	7	6	7	4.92	7.97	4.71	0.93	0.93	5.94	5.47	2355	5	2350	197	3	194.00	0.456	0.446	30000	1.02	17.62	3.2098	0.2420
8-9 Duplicate	8	9	8	9	4.92	8.43	5.44	1.09	1.09	8.03	7.49	2513	8	2505	186	7	179.00	0.545	0.535	30000	1.02	17.62	2.3134	0.1857
30-35 Duplicate	30	35	30	35	4.92	8.26	5.02	1.00	5.00	33.95	31.45	1501	8	1493	88	7	81.00	0.555	0.543	30000	1.02	17.62	1.7303	0.2153
40-45 Duplicate	40	45	40	45	4.92	8.15	4.91	0.98	4.88	43.90	41.46	1566	7	1559	90	4	86.00	0.530	0.518	30000	1.02	17.62	1.8434	0.2149

Core 4

0-1	0	1	0	1	4.92	7.77	4.47	0.89	0.89	0.89	0.44	2430	14	2416	202	13	189.00	0.525	0.512	30000	1.02	17.62	2.6460	0.2123
1-2	1	2	1	2	4.92	7.75	4.34	0.86	0.86	1.75	1.32	2467	5	2462	220	3	217.00	0.541	0.527	30000	1.02	17.62	2.8976	0.2062
2-3	2	3	2	3	4.92	7.77	4.40	0.87	0.87	2.62	2.18	1976	8	1968	180	7	173.00	0.516	0.503	30000	1.02	17.62	3.0281	0.2476
3-4	3	4	3	4	4.92	7.87	4.53	0.90	0.90	3.52	3.07	1767	7	1760	141	7	134.00	0.509	0.497	30000	1.02	17.62	2.6559	0.2494
4-5	4	5	4	5	4.92	7.91	4.58	0.91	0.91	4.42	3.97	1628	8	1620	144	4	140.00	0.546	0.533	30000	1.02	17.62	2.8096	0.2525
5-6	5	6	5	6	4.92	7.91	4.61	0.92	0.92	5.34	4.88	1619	5	1614	133	3	130.00	0.524	0.512	30000	1.02	17.62	2.7273	0.2530
6-7	6	7	6	7	4.92	8.23	5.04	1.00	1.00	6.34	5.84	2047	7	2040	163	4	159.00	0.519	0.508	30000	1.02	17.62	2.6571	0.2234
7-8	7	8	7	8	4.92	8.19	5.05	1.00	1.00	7.35	6.85	1700	14	1686	156	13	143.00	0.537	0.526	30000	1.02	17.62	2.7937	0.2627
8-9	8	9	8	9	4.92	8.19	5.17	1.03	1.03	8.38	7.86	2551	5	2546	221	3	218.00	0.520	0.510	30000	1.02	17.62	2.9089	0.2066
9-10	9	10	9	10	4.92	8.32	5.25	1.05	1.05	9.42	8.90	2101	8	2093	174	7	167.00	0.559	0.548	30000	1.02	17.62	2.5214	0.2101
10-12	10	12	10	12	4.92	8.37	5.37	1.07	2.14	11.57	10.50	1694	8	1686	146	4	142.00	0.511	0.502	30000	1.02	17.62	2.9089	0.2595
12-14	12	14	12	14	4.92	8.40	5.39	1.08	2.15	13.72	12.64	2029	5	2024	193	3	190.00	0.551	0.541	30000	1.02	17.62	3.0068	0.2292
14-16	14	16	14	16	4.92	8.20	5.12	1.02	2.04	15.76	14.74	1492	7	1485	114	4	110.00	0.498	0.488	30000	1.02	17.62	2.6290	0.2685
16-18	16	18	16	18	4.92	8.36	5.34	1.07	2.13	17.89	16.83	1852	14	1838	161	13	148.00	0.510	0.501	30000	1.02	17.62	2.7872	0.2569
18-20	18	20	18	20	4.92	8.44	5.44	1.08	2.17	20.06	18.98	2120	5	2115	201	3	198.00	0.521	0.512	30000	1.02	17.62	3.1708	0.2366
20-25	20	25	20	25	4.92	8.54	5.65	1.13	5.64	25.70	22.88	2248	8	2240	180	7	173.00	0.494	0.486	30000	1.02	17.62	2.7552	0.2252
25-30	25	30	25	30	4.92	8.46	5.51	1.10	5.50	31.20	28.45	2232	8	2224	184	4	180.00	0.502	0.493	30000	1.02	17.62	2.8434	0.2240
30-35	30	35	30	35	4.92	8.34	5.31	1.06	5.29	36.49	33.85	2115	7	2108	189	4	185.00	0.494	0.485	30000	1.02	17.62	3.1369	0.2436
20-25 Duplicate	20	25	20	25	4.92	8.54	5.65	1.13	5.64	25.70	22.88	1753	7	1746	143	7	136.00	0.523	0.514	30000	1.02	17.62	2.6246	0.2445
25-30 Duplicate	25	30	25	30	4.92	8.46	5.51	1.10	5.50	31.20	28.45	2080	5	2075	210	3	207.00	0.557	0.547	30000	1.02	17.62	3.1587	0.2303

Core 5

0-1	0	1	0	1	4.92	6.12	1.91	0.36	0.36	0.36	0.18	1728	7	1721	653	4	649.00	0.543	0.503	30000	1.01	17.62	12.1615	0.4861
1-2	1	2	1	2	4.92	6.13	2.00	0.38	0.38	0.74	0.55	1612	5	1607	668	3	665.00	0.532	0.496	30000	1.01	17.62	13.6212	0.5370
2-3	2	3	2	3	4.92	6.29	2.13	0.41	0.41	1.14	0.94	2365	14	2351	1009	13	996.00	0.517	0.484	30000	1.01	17.62	14.3495	0.4661
3-4	3	4	3	4	4.92	6.36	2.22	0.42	0.42	1.57	1.36	1509	5	1504	533	3	530.00	0.531	0.498	30000	1.01	17.62	11.6213	0.5138
4-5	4	5	4	5	4.92	6.39	2.05	0.39	0.39	1.96	1.76	2134	8	2126	859	7	852.00	0.518	0.482	30000	1.01	17.62	13.5478	0.4736
5-6	5	6	5	6	4.92	6.45	2.33	0.45	0.45	2.40	2.18	1982	7	1975	759	7	752.00	0.528	0.497	30000	1.01	17.62	12.6281	0.4704
6-7	6	7	6	7	4.92	6.49	2.40	0.46	0.46	2.86	2.63	2430	8	2422	886	4	882.00	0.528	0.498	30000	1.01	17.62	12.0776	0.4134
7-8	7	8	7	8	4.92	6.54	2.56	0.49	0.49	3.36	3.11	1339	5	1334	390	3	387.00	0.506	0.480	30000	1.01	17.62	10.0398	0.5205
8-9	8	9	8	9	4.92	6.57	2.59	0.50	0.50	3.86	3.61	2865	7	2858	1041	4	1037.00	0.523	0.496	30000	1.01	17.62	12.1489	0.3833
9-10	9	10	9	10	4.92	6.88	2.80	0.54	0.54	4.40	4.13	2763	5	2758	1059	3	1056.00	0.551	0.524	30000	1.01	17.62	12.1686	0.3800
10-12	10	12	10	12	4.92	6.70	2.80	0.54	1.09	5.48	4.94	1752	14	1738	618	13	605.00	0.534	0.510	30000	1.01	17.62	11.4153	0.4797
12-14	12	14	12	14	4.92	6.73	2.92	0.57	1.14	6.62	6.05	2568	14	2554	855	13	842.00	0.521	0.500	30000	1.01	17.62	11.0809	0.3924
14-16	14	16	14	16	4.92	6.43	2.66	0.51	1.03	7.65	7.14	2135	8	2127	696	7	689.00	0.504	0.479	30000	1.01	17.62	11.2549	0.4383
16-18	16	18	16	18	4.92	6.65	2.82	0.55	1.09	8.74	8.20	1941	7	1934	585	7	578.00	0.521	0.497	30000	1.01	17.62	10.0451	0.4279
18-20	18	20	18	20	4.92	6.74	2.77	0.54	1.07	9.81	9.28	1306	8	1298	360	4	356.00	0.514	0.489	30000	1.01	17.62	9.3440	0.5068
20-25	20	25	20	25	4.92	6.80	2.78	0.54	2.69	12.50	11.16	1404	5	1399	461	3	458.00	0.545	0.520	30000	1.01	17.62	10.5190	0.5007
25-30	25	30	25	30	4.92	6.69	2.39	0.46	2.28	14.79	13.64	1260	7	1253	301	4	297.00	0.573	0.539	30000	1.01	17.62	7.2439	0.4311
30-35	30	35	30	35	4.92	6.74	3.57	0.73	3.63	18.41	16.60	1121	5	1116	224	3	221.00	0.508	0.508	30000	1.01	17.62	6.8263	0.4710
35-40	35	40	35	40	4.92	6.74	2.95	0.60	3.00	21.41	19.91	1942	14	1928	417	13	404.00	0.545	0.545	30000	1.01	17.62	6.7329	0.3497
40-45	40	45	40	45	4.92	6.76	2.81	0.57	2.86	24.27	22.84	1256	8	1248	184	7	177.00	0.516	0.516	30000	1.01	17.62	4.8132	0.3803
45-50	45	50	45	50	4.92	6.78	2.99	0.61	3.04	27.31	25.79	1255	8	1247	193	4	189.00	0.506	0.506	30000	1.01	17.62	5.2453	0.3942
35-40 Duplicate	35	40	35	40	4.92	6.74	2.95	0.60	3.00	21.41	19.91	1174	5	1169	214	3	211.00	0.501	0.501	30000	1.01	17.62	6.3089	0.4458
45-50 Duplicate	45	50	45	50	4.92	6.78	2.99	0.61	3.04	27.31	25.79	1951	5	1946	277	3	274.00	0.508	0.508	30000	1.01	17.62	4.8536	0.3000

Table 2: Continued.

Core 6

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
0-1	0	1	0	1	4.92	6.10	1.93	0.36	0.39	0.36	0.20	1383	8	1375	953	5	948.00	0.514	0.514	30000	1.01	17.57	23.1367	0.7788
1-2	1	2	1	2	4.92	6.50	2.53	0.49	0.51	0.49	0.65	1519	9	1510	984	3	981.00	0.542	0.542	30000	1.01	17.57	20.7084	0.6828
2-3	2	3	2	3	4.92	7.50	2.88	0.55	0.59	0.55	1.20	1651	13	1638	1136	5	1131.00	0.526	0.526	30000	1.01	17.57	22.7069	0.6983
3-4	3	4	3	4	4.92	6.89	3.25	0.64	0.66	0.64	1.82	1467	7	1460	1151	3	1148.00	0.556	0.556	30000	1.01	17.57	24.4871	0.7453
4-5	4	5	4	5	4.92	7.25	3.65	0.72	0.74	0.72	2.52	965	11	954	652	12	640.00	0.531	0.531	30000	1.01	17.57	21.8624	0.9051
5-6	5	6	5	6	4.92	7.39	3.79	0.75	0.77	0.75	3.28	1139	4	1135	798	4	794.00	0.540	0.540	30000	1.01	17.57	22.4433	0.8230
6-7	6	7	6	7	4.92	7.41	3.83	0.75	0.78	0.75	4.05	1778	12	1766	1242	4	1238.00	0.568	0.568	30000	1.01	17.57	21.3682	0.6264
7-8	7	8	7	8	4.92	7.30	3.78	0.74	0.77	0.74	4.82	672	11	661	507	4	503.00	0.575	0.575	30000	1.01	17.57	22.9177	1.0589
8-9	8	9	8	9	4.92	7.51	4.07	0.80	0.83	0.80	5.62	937	11	926	663	12	651.00	0.550	0.550	30000	1.01	17.57	22.1217	0.9075
9-10	9	10	9	10	4.92	7.61	4.24	0.84	0.86	0.84	6.47	935	4	931	668	4	664.00	0.564	0.564	30000	1.01	17.57	21.9036	0.8789
10-12	10	12	10	12	4.92	7.70	4.48	0.89	1.82	0.89	7.81	953	8	945	584	5	579.00	0.498	0.498	30000	1.01	17.57	21.3111	0.9180
12-14	12	14	12	14	4.92	7.70	4.34	0.86	1.76	0.86	9.60	1494	9	1485	1035	3	1032.00	0.502	0.502	30000	1.01	17.57	23.9793	0.7694
14-16	14	16	14	16	4.92	7.70	4.55	0.90	1.85	0.90	11.41	1216	12	1204	668	4	664.00	0.485	0.485	30000	1.01	17.57	19.7067	0.7906
16-18	16	18	16	18	4.92	7.69	4.41	0.87	1.79	0.87	13.23	1080	11	1069	715	4	711.00	0.579	0.579	30000	1.01	17.57	19.8776	0.7704
18-20	18	20	18	20	4.92	7.70	4.36	0.86	1.77	0.86	15.01	1211	8	1203	774	5	769.00	0.535	0.535	30000	1.01	17.57	20.6853	0.7716
20-25	20	25	20	25	4.92	7.80	4.60	0.91	4.67	0.91	18.23	1469	9	1460	862	3	859.00	0.519	0.519	30000	1.01	17.57	19.6409	0.6911
25-30	25	30	25	30	4.92	7.97	4.84	0.96	4.92	0.96	23.03	1195	13	1182	597	5	592.00	0.503	0.503	30000	1.01	17.57	17.2455	0.7344
30-35	30	35	30	35	4.92	7.65	4.34	0.86	4.41	0.86	27.69	1337	11	1326	756	12	744.00	0.509	0.509	30000	1.01	17.57	17.6883	0.7309
35-40	35	40	35	40	4.92	7.73	4.56	0.90	4.63	0.90	32.21	644	4	640	355	4	351.00	0.513	0.513	30000	1.01	17.57	19.0931	1.0272
40-45	40	45	40	45	4.92	7.82	4.61	0.92	4.68	0.92	36.87	962	12	950	413	4	409.00	0.514	0.514	30000	1.01	17.57	18.5177	0.7444
25-30 Duplicate	25	30	25	30	4.92	7.97	4.84	0.96	4.92	0.96	23.03	1193	7	1186	649	3	646.00	0.533	0.533	30000	1.01	17.57	18.9960	0.7184
30-35 Duplicate	30	35	30	35	4.92	7.65	4.34	0.86	4.41	0.86	27.69	1249	4	1245	699	4	695.00	0.509	0.509	30000	1.01	17.57	14.5094	0.7448

Core 7

0-1	0	1	0	1	4.92	7.32	3.72	0.73	0.73	0.73	0.37	1178	11	1167	436	12	424.00	0.502	0.486	30000	0.51	19.53	7.4779	0.3733
1-2	1	2	1	2	4.92	7.66	4.20	0.83	0.83	1.56	1.15	1116	4	1112	420	4	416.00	0.559	0.544	30000	0.51	19.53	6.8807	0.3406
2-3	2	3	2	3	4.92	7.94	5.02	1.00	1.00	2.56	2.06	951	12	939	350	4	346.00	0.620	0.608	30000	0.51	19.53	6.0603	0.3295
3-4	3	4	3	4	4.92	8.38	5.49	1.10	1.10	3.66	3.11	950	11	939	305	4	301.00	0.663	0.652	30000	0.51	19.53	4.9210	0.2874
4-5	4	5	4	5	4.92	8.17	5.08	1.01	1.01	4.67	4.17	772	8	764	253	5	248.00	0.600	0.588	30000	0.51	19.53	5.5223	0.3577
5-6	5	6	5	6	4.92	8.30	5.20	1.04	1.04	5.71	5.19	925	9	916	252	3	249.00	0.605	0.593	30000	0.51	17.89	4.1983	0.2692
6-7	6	7	6	7	4.92	8.36	5.27	1.05	1.05	6.76	6.23	855	13	842	230	5	225.00	0.568	0.557	30000	0.51	19.53	4.7983	0.3269
7-8	7	8	7	8	4.92	8.45	5.52	1.10	1.10	7.86	7.31	1294	7	1287	383	3	380.00	0.599	0.589	30000	0.51	19.53	5.0180	0.2594
8-9	8	9	8	9	4.92	8.78	6.03	1.21	1.21	9.07	8.46	983	11	972	186	12	174.00	0.586	0.577	30000	0.51	19.53	3.1022	0.2509
9-10	9	10	9	10	4.92	8.97	6.34	1.27	1.27	10.34	9.70	1116	4	1112	124	4	120.00	0.638	0.629	30000	0.51	19.53	1.7152	0.1617
10-12	10	12	10	12	4.92	8.69	5.88	1.18	2.35	12.69	11.51	1340	12	1328	133	4	129.00	0.508	0.500	30000	0.51	19.53	1.9432	0.1763
12-14	12	14	12	14	4.92	8.80	5.74	1.15	2.29	14.98	13.84	1356	8	1348	123	5	118.00	0.652	0.641	30000	0.51	19.53	1.3669	0.1311
14-16	14	16	14	16	4.92	8.30	5.38	1.07	2.15	17.13	16.05	1529	9	1520	187	3	184.00	0.565	0.555	30000	0.51	19.53	2.1820	0.1635
16-18	16	18	16	18	4.92	8.23	5.25	1.05	2.10	19.22	18.18	1268	13	1255	164	5	159.00	0.601	0.590	30000	0.51	19.53	2.1486	0.1757
18-20	18	20	18	20	4.92	8.34	5.25	1.05	2.09	21.32	20.27	1319	7	1312	223	3	220.00	0.838	0.822	30000	0.51	19.53	2.0409	0.1395
20-25	20	25	20	25	4.92	7.74	4.90	0.98	4.88	26.20	23.76	1458	4	1454	272	4	268.00	0.816	0.800	30000	0.51	19.53	2.3033	0.1428
25-30	25	30	25	30	4.92	7.74	4.44	0.88	4.40	30.60	28.40	1432	12	1420	88	4	84.00	0.501	0.489	30000	0.51	19.53	1.2106	0.1382
30-35	30	35	30	35	4.92	7.73	4.54	0.90	4.51	35.11	32.86	1401	11	1390	81	4	77.00	0.580	0.567	30000	0.51	19.53	0.9779	0.1171
35-40	35	40	35	40	4.92	7.68	4.31	0.85	4.27	39.38	37.25	920	9	911	59	3	56.00	0.586	0.571	30000	0.51	19.53	1.0769	0.1514
40-44	40	44	40	44	4.92	7.65	4.32	0.85	3.42	42.80	41.09	1309	13	1296	76	5	71.00	0.722	0.704	30000	0.51	19.53	0.7788	0.0987
10-12 Duplicate	10	12	10	12	4.92	8.69	5.88	1.18	2.35	12.69	11.51	991	11	980	132	4	128.00	0.729	0.717	30000	0.51	19.53	1.8208	0.1659
18-20 Duplicate	18	20	18	20	4.92	8.34	5.25	1.05	2.09	21.32	20.27	1010	11	999	115	12	103.00	0.479	0.470	30000	0.51	19.53	2.1954	0.2402
30-35 Duplicate	30	35	30	35	4.92	7.73	4.54	0.90	4.51	35.11	32.86	1144	8	1136	52	5	47.00	0.615	0.601	30000	0.51	19.53	0.6888	0.1106

Core 8

2-3	2	3	0	3	0.26	0.32	0.11	0.38	1.15	1.15	0.96	2481	22	2459	3086	23	3031.61	1.256	1.172	60000	0.51	20.05	10.6583	0.1960
3-4	3	4	3	4	4.92	6.04	1.76	0.33	0.33	1.48	1.32	2215	22	2193	2427	23	2376.00	1.099	1.011	60000	0.51	19.95	10.8568	0.2262
4-5	4	5	4	5	4.92	6.09	1.84	0.34	0.34	1.83	1.65	2453	7	2446	2828	8	2788.77	1.097	1.013	60000	0.51	19.95	11.3958	0.2176
5-6	5	6	5	6	4.92	6.18	2.04	0.39	0.39	2.21	2.02	2174	25	2149	2781	9	2744.57	1.221	1.139	60000	0.51	19.95	11.3556	0.2185
6-7	6	7	6	7	4.92	6.20	2.03	0.38	0.38	2.60	2.40	1693	23	1670	1943	8	1913.68	1.176	1.096	60000	0.51	19.95	10.5846	0.2443
7-8	7	8	7	8	4.92	6.23	2.06	0.39	0.39	2.99	2.79	1625	19	1606	1721	7	1693.50	1.090	1.017	60000	0.51	19.95	10.5000	0.2577
8-9	8	9	8	9	4.92	6.30	2.20	0.42	0.42	3.41	3.20	1620	16	1604	1787	6	1760.52	1.235	1.159	60000	0.51	19.95	9.5908	0.2307
9-10	9	10	9	10	4.92	6.27	2.10	0.40	0.40	3.81	3.61	1882	21	1861	1914	7	1883.24	1.187	1.109	60000	0.51	19.95	9.2370	0.2150
10-12	10	12	10	12	4.92	6.34	2.24	0.43	0.86	4.66	4.23	2412	17	2395	2198	5	2162.43	1.134	1.066	60000	0.51	19.95	8.5813	0.1863
12-14	12	14	12	14	4.92	6.22	2.03	0.38	0.77	5.43	5.05	1676	22	1654	1449	23	1404.89	1.315	1.226	60000	0.51	19.95	7.0185	0.1917
14-16	14	16	14	16	4.92	6.35	2.26	0.43	0.86	6.29	5.86	1827	7	1820	1022	8	990.77	1.235	1.161	60000	0.51	19.95	4.7500	0.1538
16-18	16	18	16	18	4.92	6.34	2.26	0.43	0.86	7.15	6.72	2368	25	2343	915	9	876.09	1.173	1.103	60000	0.51	19.95	3.4329	0.1191
18-20	18	20	18	20	4.92	6.30	2.21	0.42	0.84	8.00	7.58	1455	23	1432	481	8	454.72	1.228	1.153	60000	0.51	19.95	2.7891	0.1356
20-25	20	25	20	25	4.92	6.39	2.37	0.45	2.27	10.27	9.13	1752	19	1733	486	7	456.88	1.214	1.146	60000	0.51	19.95	2.3295	0.1132
25-30	25	30	25	30	4.92	6.44	2.71	0.52	2.62	12.89	11.58	1888	16	1872	372	6	342.10	1.201	1.146	60000	0.51	19.95	1.6144	0.0918

Table 2: Continued.

Core 8

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
30-35	30	35	30	35	4.92	6.47	2.44	0.47	2.34	15.23	14.06	1632	21	1611	262	7	234.43	1.270	1.200	60000	0.51	19.95	1.2275	0.0859
35-40	35	40	35	40	4.92	6.44	2.41	0.46	2.31	17.54	16.38	2189	17	2172	341	5	308.27	1.222	1.154	60000	0.51	19.95	1.2451	0.0751
40-44	40	45	40	45	4.92	6.44	2.39	0.46	2.29	19.83	18.68	1949	7	1942	284	8	251.21	1.258	1.188	60000	0.51	19.95	1.1028	0.0750
45-50	45	50	45	50	4.92	6.46	2.44	0.47	2.35	22.18	21.00	2257	25	2232	307	9	269.51	1.221	1.155	60000	0.51	19.95	1.0589	0.0698
7-8 Duplicate	7	8	7	8	4.92	6.23	2.06	0.39	0.39	2.99	2.79	2329	16	2313	2088	6	2052.47	0.930	0.868	60000	0.51	19.95	10.3541	0.2308
14-16 Duplicate	14	16	14	16	4.92	6.35	2.26	0.43	0.86	6.29	5.86	2408	22	2386	1573	23	1517.79	1.395	1.312	60000	0.50	19.92	4.8170	0.1268

Core 9

2-3	2	3	0	3.0	4.92	6.09	1.87	0.35	1.05	1.05	0.88	2353	17	2336	4030	5	3995.08	1.203	1.113	60000	0.51	19.95	15.4800	0.2461
3-4	3	4	3	4.0	4.92	6.09	1.89	0.36	0.36	1.41	1.23	2685	22	2663	4226	23	4168.90	1.185	1.098	60000	0.51	19.95	14.3642	0.2246
4-5	4	5	4	5.0	4.92	6.20	2.01	0.38	0.38	1.79	1.60	2510	7	2503	4001	8	3960.94	1.233	1.148	60000	0.51	19.95	13.8902	0.2220
5-6	5	6	5	6.0	4.92	6.15	1.96	0.37	0.37	2.16	1.97	2551	25	2526	3913	9	3871.65	1.228	1.142	60000	0.51	19.95	13.5289	0.2188
6-7	6	7	6	7.0	4.92	6.15	1.93	0.36	0.36	2.52	2.34	1957	23	1934	2806	8	2773.23	1.219	1.131	60000	0.51	19.95	12.7733	0.2443
7-8	7	8	7	8.0	4.92	6.09	2.03	0.38	0.38	2.91	2.71	2262	19	2243	3014	7	2978.27	1.208	1.128	60000	0.51	19.95	11.8601	0.2189
8-9	8	9	8	9.0	4.92	6.23	2.08	0.40	0.40	3.30	3.10	1952	16	1936	2585	6	2554.21	1.273	1.189	60000	0.51	19.95	11.1800	0.2228
9-10	9	10	9	10.0	4.92	6.29	2.19	0.42	0.42	3.72	3.51	2361	21	2340	3110	7	3073.03	1.283	1.204	60000	0.51	19.95	10.9946	0.1997
10-12	10	12	10	12.0	4.92	6.36	2.34	0.45	0.89	4.61	4.17	1599	17	1582	1737	5	1711.74	1.221	1.152	60000	0.51	19.95	9.4674	0.2308
12-14	12	14	12	14.0	4.92	6.18	1.98	0.37	0.75	5.36	4.99	1552	22	1530	1580	23	1537.41	1.284	1.194	60000	0.51	19.94	8.4800	0.2208
14-16	14	16	14	16.0	4.92	6.22	2.03	0.38	0.77	6.13	5.74	464	7	457	424	8	410.15	1.283	1.195	60000	0.51	19.94	7.5700	0.3834
16-18	16	18	16	18.0	4.92	6.34	2.27	0.43	0.87	6.99	6.56	2386	25	2361	1902	9	1862.76	1.207	1.136	60000	0.51	19.94	7.0007	0.1643
18-20	18	20	18	20.0	4.92	6.22	2.10	0.40	0.80	7.79	7.39	1813	23	1790	1203	8	1172.08	1.231	1.151	60000	0.51	19.94	5.7304	0.1701
20-25	20	25	20	25.0	4.92	6.22	2.04	0.39	1.93	9.73	8.76	1217	19	1198	677	7	654.66	1.206	1.125	60000	0.51	19.94	4.8962	0.1956
25-30	25	30	25	30.0	4.92	6.21	2.04	0.39	1.93	11.66	10.69	589	16	573	234	6	220.66	1.283	1.196	60000	0.51	19.94	3.2431	0.2277
30-35	30	35	30	35.0	4.92	6.24	2.10	0.40	2.00	13.66	12.66	1420	21	1399	444	7	419.08	1.229	1.149	60000	0.51	19.94	2.6264	0.1331
35-40	35	40	35	40.0	4.92	6.22	2.05	0.39	1.94	15.59	14.62	1464	17	1447	415	5	391.47	1.245	1.161	60000	0.51	19.94	2.3477	0.1229
40-44	40	45	40	45.0	4.92	6.31	2.19	0.42	2.08	17.67	16.63	951	22	929	265	23	230.10	1.223	1.147	60000	0.51	19.94	2.1761	0.1605
45-50	45	50	45	50.0	4.92	6.31	2.28	0.44	2.18	19.86	18.77	2089	7	2082	449	8	414.34	1.335	1.257	60000	0.51	20.05	1.6030	0.0827
8-9 Duplicate	8	9	8	9.0	4.92	6.23	2.08	0.40	0.40	3.30	3.10	2035	23	2012	2929	8	2895.23	1.325	1.238	60000	0.51	19.94	11.7130	0.2192
14-16 Duplicate	14	16	14	16.0	4.92	6.22	2.03	0.38	0.77	6.13	5.74	633	19	614	517	7	502.14	1.239	1.154	60000	0.51	19.94	7.1383	0.3254

Core 10

1-2	1	2	0	2	4.92	5.65	1.17	0.21	0.42	0.42	0.31	2113	25	2088	2784	9	2747.89	1.164	1.017	60000	0.5085	19.94	13.1160	0.2523
2-3	2	3	2	3	4.92	5.72	1.29	0.23	0.23	0.65	0.53	2385	23	2362	3242	8	3203.33	1.177	1.043	60000	0.5085	19.94	13.1815	0.2346
3-4	3	4	3	4	4.92	5.80	1.43	0.26	0.26	0.91	0.78	1659	19	1640	2305	7	2276.70	1.226	1.102	60000	0.5085	19.94	12.7746	0.2698
4-5	4	5	4	5	4.92	5.74	1.36	0.25	0.25	1.16	1.03	2025	16	2009	2905	6	2872.91	1.254	1.121	60000	0.5085	19.94	12.9325	0.2429
5-6	5	6	5	6	4.92	5.81	1.40	0.26	0.26	1.41	1.28	1962	21	1941	2789	7	2756.80	1.279	1.146	60000	0.5085	19.94	12.5624	0.2410
6-7	6	7	6	7	4.92	5.79	1.47	0.27	0.27	1.68	1.55	1906	17	1889	2317	5	2287.47	1.274	1.151	60000	0.5085	19.94	10.6719	0.2248
7-8	7	8	7	8	4.92	5.83	1.44	0.26	0.26	1.94	1.81	1278	22	1256	1490	23	1450.69	1.247	1.121	60000	0.5085	19.94	10.4435	0.2800
8-9	8	9	8	9	4.92	5.87	1.51	0.28	0.28	2.22	2.08	2329	7	2322	2360	8	2321.85	1.226	1.109	60000	0.5085	19.94	9.1436	0.1916
9-10	9	10	9	10	4.92	5.86	1.52	0.28	0.28	2.50	2.36	2446	25	2421	2253	9	2212.56	1.350	1.223	60000	0.5085	19.94	7.5788	0.1629
10-12	10	12	10	12	4.92	5.90	1.55	0.28	0.57	3.07	2.79	1919	23	1896	1349	8	1316.38	1.211	1.098	60000	0.5085	19.94	6.4088	0.1793
12-14	12	14	12	14	4.92	5.92	1.62	0.30	0.60	3.67	3.37	1954	19	1935	988	7	955.87	1.200	1.095	60000	0.5085	19.94	4.5762	0.1510
14-16	14	16	14	16	4.92	5.88	1.58	0.29	0.59	4.25	3.96	1352	7	1345	512	8	485.84	1.264	1.151	60000	0.4985	19.92	3.1200	0.1463
16-18	16	18	16	18	4.92	5.88	1.59	0.29	0.59	4.84	4.55	1818	21	1797	468	7	437.67	1.176	1.071	60000	0.5085	19.94	2.3048	0.1148
18-20	18	20	18	20	4.92	5.89	1.60	0.30	0.59	5.43	5.14	2103	17	2086	441	5	408.91	1.261	1.149	60000	0.5085	19.94	1.7300	0.0893
20-25	20	25	20	25	4.92	5.95	1.78	0.33	1.66	7.10	6.26	1938	22	1916	370	23	322.12	1.281	1.182	60000	0.5085	19.94	1.4426	0.0888
25-30	25	30	25	30	4.92	5.94	1.65	0.31	1.53	8.62	7.86	1570	7	1563	194	8	165.70	1.207	1.103	60000	0.5085	19.94	0.9700	0.0836
30-35	30	35	30	35	4.92	5.92	1.70	0.32	1.58	10.21	9.41	1893	25	1868	193	9	159.74	1.216	1.116	60000	0.5085	19.94	0.7768	0.0691
35-40	35	40	35	40	4.92	6.11	1.98	0.38	1.88	12.08	11.14	2225	23	2202	258	8	221.41	1.267	1.180	60000	0.5085	19.94	0.8640	0.0636
40-45	40	45	40	45	4.92	6.04	1.86	0.35	1.74	13.83	12.95	2282	19	2263	261	7	224.61	1.228	1.137	60000	0.5085	19.94	0.8854	0.0645
14-16 Duplicate	14	16	14	16	4.92	5.88	1.58	0.29	0.59	4.25	3.96	1892	17	1875	677	5	646.53	1.236	1.125	60000	0.5082	19.94	3.1052	0.1254
25-30 Duplicate	25	30	25	30	4.92	5.94	1.65	0.31	1.53	8.62	7.86	1893	22	1871	284	23	237.39	1.214	1.110	60000	0.5082	19.94	1.1587	0.0855

Core 11

1-2	1	2	0	2	4.92	5.66	1.20	0.21	0.43	0.43	0.32	2492	7	2485	3457	8	3417.64	1.188	1.042	60000	0.5082	19.94	13.3688	0.2303
2-3	2	3	2	3	4.92	5.73	1.32	0.24	0.24	0.67	0.55	1906	25	1881	2942	9	2909.26	1.266	1.126	60000	0.5082	19.94	13.9148	0.2598
3-4	3	4	3	4	4.92	5.78	1.39	0.25	0.25	0.92	0.79	2151	23	2128	3595	8	3560.15	1.319	1.181	60000	0.5082	19.94	14.3490	0.2419
4-5	4	5	4	5	4.92	5.83	1.48	0.27	0.27	1.19	1.05	2417	19	2398	4120	7	4082.74	1.348	1.217	60000	0.5082	19.94	14.1704	0.2230
5-6	5	6	5	6	4.92	5.83	1.47	0.27	0.27	1.46	1.33	2237	16	2221	3884	6	3849.97	1.405	1.267	60000	0.5082	19.94	13.8595	0.2245
6-7	6	7	6	7	4.92	5.83	1.46	0.27	0.27	1.73	1.59	834	21	813	1380	7	1362.74	1.332	1.200	60000	0.5082	19.94	14.1520	0.3868
7-8	7	8	7	8	4.92	5.84	1.49	0.27	0.27	2.00	1.86	1686	17	1669	2879	5	2852.94	1.424	1.287	60000	0.5082	19.94	13.4601	0.2534
8-9	8	9	8	9	4.92	5.90	1.59	0.29	0.29	2.29	2.15	2120	22	2098	3762	23	3712.53	1.495	1.361	60000	0.5082	19.94	13.1730	0.2183
9-10	9	10	9	10	4.92	5.91	1.58	0.29	0.29	2.59	2.44	2424	7	2417	3370	8	3331.50	1.269	1.155	60000	0.5082	19.94	12.0957	0.2110

Table 2: Continued.

Core 11

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
10-12	10	12	10	12	4.92	5.92	1.68	0.31	0.63	3.21	2.90	2451	25	2426	2715	9	2675.39	1.240	1.137	60000	0.5082	19.94	9.8282	0.1917
12-14	12	14	12	14	4.92	5.92	2.08	0.40	0.79	4.00	3.61	2586	23	2563	2942	8	2901.66	1.365	1.282	60000	0.5082	19.94	8.9510	0.1675
14-16	14	16	14	16	4.92	5.92	1.59	0.29	0.59	4.59	4.30	1696	19	1677	1650	7	1621.84	1.262	1.148	60000	0.5082	19.94	8.5300	0.2141
16-18	16	18	16	18	4.92	6.00	1.75	0.33	0.65	5.24	4.92	2570	16	2554	2266	6	2227.77	1.278	1.175	60000	0.5082	19.94	7.5191	0.1609
18-20	18	20	18	20	4.92	5.95	1.65	0.31	0.61	5.86	5.55	1625	21	1604	1170	7	1142.76	1.300	1.188	60000	0.5082	19.94	6.0742	0.1824
20-25	20	25	20	25	4.92	5.90	1.57	0.29	1.45	7.31	6.58	2321	17	2304	1299	5	1264.93	1.268	1.152	60000	0.5082	19.94	4.8268	0.1378
25-30	25	30	25	30	4.92	5.96	1.68	0.31	1.56	8.87	8.09	1588	22	1566	729	23	686.24	1.326	1.215	60000	0.5082	19.94	3.6600	0.1461
30-35	30	35	30	35	4.92	5.96	1.66	0.31	1.54	10.41	9.64	2016	7	2009	667	8	633.65	1.274	1.165	60000	0.5082	19.94	2.7424	0.1124
35-40	35	40	35	40	4.92	5.98	1.69	0.31	1.57	11.98	11.20	2232	25	2207	539	9	502.15	1.242	1.138	60000	0.5082	19.94	2.0260	0.0944
40-45	40	45	40	45	4.92	6.03	1.74	0.32	1.62	13.61	12.79	1821	23	1798	351	8	320.31	1.215	1.116	60000	0.5082	19.94	1.6172	0.0957
45-50	45	50	45	50	4.92	5.98	1.75	0.33	1.64	15.24	14.43	2397	19	2378	450	7	412.99	1.257	1.157	60000	0.5082	19.94	1.5210	0.0787
14-16 Duplicate	14	16	14	16	4.92	5.92	1.59	0.29	0.59	4.59	4.30	969	25	944	921	9	899.26	1.222	1.112	60000	0.4985	19.92	8.5081	0.2885
25-30 Duplicate	25	30	25	30	4.92	5.96	1.68	0.31	1.56	8.87	8.09	2672	17	2655	1037	5	998.50	1.298	1.189	60000	0.5082	19.94	3.2049	0.1036

Core 12

1-2	1	2	0	2	4.92	5.75	1.36	0.25	0.49	0.49	0.37	1597	17	1580	2146	5	2121.06	1.103	0.985	60000	0.5113	19.94	13.8917	0.3038
2-3	2	3	2	3	4.92	5.81	1.46	0.27	0.27	0.76	0.63	2439	22	2417	3109	23	3055.11	1.082	0.975	60000	0.5113	19.94	13.2127	0.2420
3-4	3	4	3	4	4.92	5.91	1.56	0.29	0.29	1.05	0.90	1507	7	1500	2132	8	2104.83	1.141	1.036	60000	0.5113	19.94	13.8059	0.3034
4-5	4	5	4	5	4.92	5.89	1.57	0.29	0.29	1.33	1.19	2327	25	2302	3425	9	3386.58	1.178	1.071	60000	0.5113	19.94	14.0076	0.2424
5-6	5	6	5	6	4.92	5.88	1.53	0.28	0.28	1.62	1.48	2078	23	2055	2511	8	2476.74	1.120	1.015	60000	0.5113	19.94	12.1040	0.2453
6-7	6	7	6	7	4.92	5.91	1.60	0.30	0.30	1.91	1.76	2069	19	2050	2414	7	2380.80	1.202	1.095	60000	0.5113	19.94	10.8115	0.2234
7-8	7	8	7	8	4.92	5.97	1.68	0.31	0.31	2.22	2.07	1579	16	1563	1709	6	1683.03	1.153	1.056	60000	0.5113	19.94	10.3945	0.2558
8-9	8	9	8	9	4.92	6.03	1.75	0.33	0.33	2.55	2.39	1740	21	1719	1641	7	1612.03	1.117	1.027	60000	0.5113	19.94	9.3084	0.2344
9-10	9	10	9	10	4.92	5.97	1.68	0.31	0.31	2.86	2.71	1330	25	1305	1217	9	1191.32	1.180	1.081	60000	0.5113	19.94	8.6106	0.2531
10-12	10	12	10	12	4.92	5.99	1.73	0.32	0.64	3.51	3.19	1971	23	1948	1655	8	1622.11	1.197	1.100	60000	0.5113	19.94	7.7190	0.1941
12-14	12	14	12	14	4.92	6.01	1.73	0.32	0.64	4.15	3.83	2340	19	2321	1656	7	1619.34	1.165	1.070	60000	0.5113	19.94	6.6471	0.1674
14-16	14	16	14	16	4.92	6.06	1.83	0.34	0.69	4.84	4.50	1386	16	1370	700	6	676.49	1.008	0.931	60000	0.5113	19.94	5.4041	0.2123
16-18	16	18	16	18	4.92	5.98	1.68	0.31	0.63	5.47	5.16	2328	21	2307	1367	7	1330.52	1.239	1.135	60000	0.5113	19.94	5.1813	0.1443
18-20	18	20	18	20	4.92	6.10	1.84	0.35	0.69	6.16	5.81	1738	17	1721	1074	5	1047.01	1.191	1.100	60000	0.5113	19.94	5.6367	0.1768
20-25	20	25	20	25	4.92	6.01	1.77	0.33	1.65	7.81	6.99	2539	22	2517	1489	23	1433.83	1.218	1.122	60000	0.5113	19.93	5.1768	0.1404
25-30	25	30	25	30	4.92	6.01	1.76	0.33	1.65	9.46	8.64	1943	7	1936	733	8	700.26	1.250	1.151	60000	0.5113	19.93	3.2037	0.1245
30-35	30	35	30	35	4.92	6.07	1.78	0.33	1.66	11.12	10.29	2508	25	2483	662	9	621.27	1.209	1.113	60000	0.5113	19.93	2.2922	0.0956
35-40	35	40	35	40	4.92	6.10	1.88	0.35	1.77	12.89	12.01	2332	23	2309	596	8	558.49	1.238	1.146	60000	0.5113	19.93	2.1508	0.0946
40-45	40	45	40	45	4.92	6.07	1.83	0.34	1.72	14.61	13.75	2254	19	2235	506	7	470.44	1.219	1.126	60000	0.5113	19.93	1.9055	0.0917
45-50	45	50	45	50	4.92	6.31	2.29	0.44	2.19	16.80	15.70	2406	16	2390	1018	6	981.46	1.286	1.211	60000	0.5113	19.93	3.4549	0.1126
8-9 Duplicate	8	9	8	9	4.92	6.03	1.75	0.33	0.33	2.55	2.39	1575	23	1552	1846	8	1817.05	1.334	1.226	60000	0.4985	19.92	9.4820	0.2247
14-16 Duplicate	14	16	14	16	4.92	6.06	1.83	0.34	0.69	4.84	4.50	2294	7	2287	970	8	932.71	0.801	0.740	60000	0.5113	19.93	5.6166	0.1883
45-50 Duplicate	45	50	45	50	4.92	6.31	2.29	0.44	2.19	16.80	15.70	2568	19	2549	878	7	836.59	0.967	0.911	60000	0.4985	19.92	3.5785	0.1272

Core 13

1-2	1	2	0	2	4.92	5.80	1.44	0.26	0.53	0.53	0.39	2225.0	25.00	2200	3433	9	3395.82	1.199	1.079	60000	0.5046	19.93	14.3919	0.2486
2-3	2	3	2	3	4.92	5.94	1.64	0.30	0.30	0.83	0.68	2270.0	23.00	2247	3806	8	3769.22	1.206	1.101	60000	0.5046	19.93	15.3232	0.2511
3-4	3	4	3	4	4.92	6.00	1.74	0.33	0.33	1.15	0.99	2361.0	19.00	2342	3833	7	3796.01	1.185	1.090	60000	0.5046	19.93	14.9645	0.2443
4-5	4	5	4	5	4.92	5.97	1.70	0.32	0.32	1.47	1.31	1141.0	16.00	1125	1735	6	1714.59	1.217	1.116	60000	0.5046	19.93	13.7356	0.3343
5-6	5	6	5	6	4.92	5.93	1.60	0.30	0.30	1.77	1.62	2089.0	21.00	2068	3138	7	3104.52	1.277	1.163	60000	0.5046	19.93	12.9857	0.2346
6-7	6	7	6	7	4.92	6.01	1.73	0.32	0.32	2.09	1.93	2229	17	2212	3214	5	3180.67	1.227	1.127	60000	0.5046	19.93	12.8343	0.2289
7-8	7	8	7	8	4.92	6.16	1.95	0.37	0.37	2.46	2.27	2008	22	1986	2849	23	2800.57	1.256	1.167	60000	0.5046	19.93	12.1571	0.2326
8-9	8	9	8	9	4.92	6.15	1.98	0.37	0.37	2.83	2.64	2166	7	2159	2599	8	2563.35	1.249	1.162	60000	0.5046	19.93	10.2753	0.2047
9-10	9	10	9	10	4.92	6.15	1.96	0.37	0.37	3.20	3.02	1931	25	1906	1965	9	1931.59	1.212	1.126	60000	0.5046	19.93	9.0517	0.2082
10-12	10	12	10	12	4.92	6.21	1.99	0.38	0.75	3.95	3.58	2874	23	2851	2489	8	2444.49	1.200	1.116	60000	0.5046	19.93	7.7288	0.1580
12-14	12	14	12	14	4.92	6.20	2.05	0.39	0.78	4.73	4.34	2446	19	2427	1707	7	1668.92	1.184	1.105	60000	0.5046	19.93	6.2607	0.1553
14-16	14	16	14	16	4.92	6.37	2.34	0.45	0.89	5.62	5.18	1596	16	1580	1034	6	1007.77	1.201	1.133	60000	0.5046	19.93	5.6645	0.1813
16-18	16	18	16	18	4.92	6.26	2.13	0.40	0.81	6.43	6.03	2334	21	2313	1402	7	1365.38	1.218	1.140	60000	0.5046	19.93	5.2099	0.1432
18-20	18	20	18	20	4.92	6.41	2.40	0.46	0.92	7.35	6.89	1325	17	1308	853	5	831.25	1.230	1.162	60000	0.5046	19.93	5.4997	0.1938
20-25	20	25	20	25	4.92	6.32	2.19	0.42	2.09	9.44	8.40	2254	22	2232	1336	23	1284.42	1.199	1.125	60000	0.5046	19.93	5.1468	0.1477
25-30	25	30	25	30	4.92	6.30	2.21	0.42	2.11	11.55	10.50	2137	7	2130	1428	8	1392.72	1.293	1.214	60000	0.5046	19.93	5.4168	0.2123
30-35	30	35	30	35	4.92	6.40	2.36	0.45	2.26	13.81	12.68	2171	25	2146	2519	9	2482.52	1.216	1.147	60000	0.5046	19.93	10.1414	0.2054
14-16 Duplicate	14	16	14	16	4.92	6.37	2.34	0.45	0.89	5.62	5.18	1841	19	1822	1271	7	1240.67	1.234	1.164	60000	0.5046	19.93	5.8855	0.1696
25-30 Duplicate	25	30	25	30	4.92	6.30	2.21	0.42	2.11	11.55	10.50	2533	16	2517	1722	6	1683.77	1.317	1.237	60000	0.5046	19.93	5.4409	0.1343
30-35 Duplicate	30	35	30	35	4.92	6.40	2.36	0.45	2.26	13.81	12.68	2327	16	2311	2485	6	2447.80	1.097	1.035	60000	0.4985	19.92	10.1640	0.2072

Table 2: Continued.

Core 14

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
3-4	3	4	3	4	4.92	6.34	2.21	0.42	0.42	1.64	1.43	2016	7	2009	2328	8	2292.54	1.210	1.135	60000	0.5012	19.93	10.0414	0.2117
4-5	4	5	4	5	4.92	6.41	2.33	0.45	0.45	2.08	1.86	1333	25	1308	1512	9	1485.12	1.211	1.141	60000	0.5012	19.93	9.9410	0.2611
5-6	5	6	5	6	4.92	6.48	2.42	0.46	0.46	2.55	2.31	1837	23	1814	2296	8	2263.20	1.240	1.171	60000	0.5012	19.93	10.6400	0.2257
6-7	6	7	6	7	4.92	6.45	2.45	0.47	0.47	3.02	2.78	2348	19	2329	2768	7	2729.16	1.230	1.164	60000	0.5012	19.93	10.0616	0.1942
7-8	7	8	7	8	4.92	6.55	2.61	0.50	0.50	3.52	3.27	2050	16	2034	2096	6	2062.20	1.217	1.156	60000	0.5012	19.93	8.7610	0.1948
8-9	8	9	8	9	4.92	6.54	2.57	0.49	0.49	4.01	3.77	1324	21	1303	1304	7	1279.19	1.273	1.208	60000	0.5012	19.93	8.1198	0.2298
9-10	9	10	9	10	4.92	6.52	2.53	0.49	0.49	4.50	4.26	2123	17	2106	2117	5	2083.21	1.234	1.170	60000	0.5012	19.93	8.4485	0.1868
10-12	10	12	10	12	4.92	6.97	3.30	0.64	1.29	5.79	5.14	1940	22	1918	1954	23	1904.78	1.242	1.196	60000	0.5012	19.93	8.2936	0.1936
12-14	12	14	12	14	4.92	6.55	2.60	0.50	1.00	6.79	6.29	1173	7	1166	1022	8	998.06	1.230	1.168	60000	0.5012	19.93	7.3207	0.2354
14-16	14	16	14	16	4.92	6.72	2.90	0.56	1.13	7.92	7.35	2035	25	2010	1361	9	1324.52	1.206	1.154	60000	0.5012	19.93	5.7073	0.1595
16-18	16	18	16	18	4.92	6.65	2.75	0.53	1.07	8.98	8.45	1428	16	1412	777	6	751.70	1.268	1.209	60000	0.5012	19.93	4.4002	0.1638
18-20	18	20	18	20	4.92	6.64	2.77	0.54	1.07	10.05	9.52	881	21	860	369	7	350.24	1.233	1.176	60000	0.5012	19.93	3.4597	0.1915
20-25	20	25	20	25	4.92	6.64	2.71	0.52	2.62	12.67	11.36	1546	17	1529	579	5	553.10	1.234	1.175	60000	0.5012	19.93	3.0760	0.1344
25-30	25	30	25	30	4.92	6.66	2.76	0.53	2.67	15.34	14.01	1324	22	1302	462	23	421.20	1.253	1.195	60000	0.5012	19.93	2.7055	0.1415
30-35	30	35	30	35	4.92	6.80	3.00	0.58	2.92	18.26	16.80	2358	7	2351	605	8	564.86	1.273	1.220	60000	0.5012	19.93	1.9678	0.0863
35-40	35	40	35	40	4.92	7.04	3.32	0.65	3.24	21.51	19.88	803	25	778	330	9	310.36	1.228	1.183	60000	0.5012	19.93	3.3702	0.1999
10-12 Duplicate	10	12	10	12	4.92	6.97	3.30	0.64	1.29	5.79	5.14	1333	16	1317	1390	6	1366.00	1.282	1.235	60000	0.5012	19.93	8.3913	0.2295
14-16 Duplicate	14	16	14	16	4.92	6.72	2.90	0.56	1.13	7.92	7.35	1808	21	1787	1254	7	1222.57	1.244	1.190	60000	0.5012	19.93	5.7442	0.1668
35-40 Duplicate	35	40	35	40	4.92	7.04	3.32	0.65	3.24	21.51	19.88	2477	21	2456	1093	7	1052.85	1.381	1.330	60000	0.4985	19.92	3.2018	0.1009

Core 15

1-2	1	2	0	2	4.92	6.63	2.67	0.52	1.03	1.03	0.77	2334.0	17.00	2317	3270	5	3233.33	1.229	1.169	60000	0.5002	19.93	11.9020	0.2107
2-3	2	3	2	3	4.92	6.69	2.80	0.54	0.54	1.58	1.30	2246.0	22.00	2224	3209	23	3157.70	1.218	1.162	60000	0.5002	19.93	12.1806	0.2193
3-4	3	4	3	4	4.92	6.78	2.93	0.57	0.57	2.14	1.86	1159	7	1152	1747	8	1724.34	1.219	1.166	60000	0.5002	19.93	12.7961	0.3109
4-5	4	5	4	5	4.92	6.79	2.97	0.58	0.58	2.72	2.43	1411.0	25.00	1386	2239	9	2212.36	1.233	1.181	60000	0.5002	19.93	13.4792	0.2889
5-6	5	6	5	6	4.92	6.93	3.25	0.63	0.63	3.36	3.04	1893	23	1870	2841	8	2809.20	1.206	1.161	60000	0.5002	19.93	12.9026	0.2123
6-7	6	7	6	7	4.92	7.08	3.43	0.67	0.67	4.03	3.69	2658.0	19.00	2639	4182	7	4141.42	1.248	1.204	60000	0.5002	19.93	12.9938	0.2031
7-8	7	8	7	8	4.92	7.00	3.30	0.65	0.65	4.67	4.35	2155.0	16.00	2139	3139	6	3105.78	1.209	1.164	60000	0.5002	19.93	12.4326	0.2245
8-9	8	9	8	9	4.92	7.11	3.47	0.68	0.68	5.35	5.01	2005.0	21.00	1984	3089	7	3056.75	1.222	1.180	60000	0.5002	19.93	13.0218	0.2370
9-10	9	10	9	10	4.92	7.27	3.73	0.73	0.73	6.09	5.72	1610.0	17.00	1593	2517	5	2491.73	1.246	1.207	60000	0.5002	19.93	12.9213	0.2604
10-12	10	12	10	12	4.92	7.66	4.43	0.88	1.76	7.84	6.96	2374.0	22.00	2352	3467	23	3414.07	1.207	1.178	60000	0.5002	19.93	12.2848	0.2126
12-14	12	14	12	14	4.92	7.38	3.94	0.78	1.56	9.40	8.62	2152.0	7.00	2145	3061	8	3025.70	1.235	1.199	60000	0.5002	19.93	11.7246	0.2147
14-16	14	16	14	16	4.92	7.35	3.89	0.77	1.53	10.93	10.16	1058.0	25.00	1033	1466	9	1443.85	1.246	1.209	60000	0.5002	19.93	11.5224	0.3065
16-18	16	18	16	18	4.92	7.30	3.78	0.74	1.49	12.42	11.67	2551.0	23.00	2528	3569	8	3528.83	1.231	1.193	60000	0.5002	19.93	11.6638	0.1977
18-20	18	20	18	20	4.92	7.29	3.78	0.74	1.49	13.90	13.16	475	19	456	572	7	559.20	1.225	1.187	60000	0.5002	19.93	10.2963	0.4431
20-25	20	25	20	25	4.92	7.56	4.20	0.83	4.16	18.06	15.98	1854	16	1838	2565	6	2535.61	1.253	1.220	60000	0.5002	19.93	11.2734	0.2254
25-30	25	30	25	30	4.92	7.57	4.29	0.85	4.25	22.31	20.18	1887	21	1866	2299	7	2268.25	1.258	1.226	60000	0.5002	19.93	9.8826	0.2092
3-4 Duplicate	3	4	3	4	4.92	6.78	2.93	0.57	0.57	2.14	1.86	2100	22	2078	3420	23	3370.56	1.295	1.239	60000	0.5002	19.93	13.0519	0.2272
5-6 Duplicate	5	6	5	6	4.92	6.93	3.25	0.63	0.63	3.36	3.04	1728	7	1721	2798	8	2768.10	1.256	1.209	60000	0.5002	19.93	13.2639	0.2538
18-20 Duplicate	18	20	18	20	4.92	7.29	3.78	0.74	1.49	13.90	13.16	2337	17	2320	3391	5	3354.68	1.367	1.325	60000	0.4985	19.92	10.8390	0.1883

Core 16

1-2	1	2	0	2	4.94	7.06	3.36	0.66	1.31	1.31	0.99	1710	22	1688	2847	23	2802.14	1.236	1.191	60000	0.4922	19.88	13.6395	0.2608
2-3	2	3	2	3	4.94	7.18	3.59	0.70	0.70	2.02	1.67	2241.0	8.00	2233	3885	8	3847.59	1.265	1.223	60000	0.4942	19.87	13.8327	0.2243
3-4	3	4	3	4	4.94	7.31	3.80	0.75	0.75	2.76	2.39	1907.0	25.00	1882	2961	8	2928.63	1.238	1.200	60000	0.4922	19.88	12.6878	0.2361
4-5	4	5	4	5	4.94	7.33	3.78	0.74	0.74	3.51	3.13	1330	23	1307	2111	8	2086.08	1.232	1.194	60000	0.4922	19.88	13.0842	0.2887
5-6	5	6	5	6	4.94	7.38	3.88	0.76	0.76	4.27	3.89	2072	19	2053	3713	6	3680.42	1.247	1.210	60000	0.4922	19.88	14.5016	0.2403
6-7	6	7	6	7	4.94	7.66	4.39	0.87	0.87	5.14	4.70	1630	16	1614	3173	6	3146.10	1.295	1.263	60000	0.4922	19.88	15.1021	0.2707
7-8	7	8	7	8	4.94	7.45	4.01	0.79	0.79	5.92	5.53	2258	21	2237	4226	7	4190.03	1.283	1.240	60000	0.4922	19.88	14.7815	0.2295
8-9	8	9	8	9	4.94	7.58	4.23	0.83	0.83	6.76	6.34	1069	25	1044	1727	8	1705.25	1.250	1.217	60000	0.4942	19.87	13.1758	0.3218
9-10	9	10	9	10	4.94	7.60	4.23	0.84	0.84	7.59	7.17	2291	22	2269	3630	23	3577.62	1.249	1.216	60000	0.4922	19.88	12.6878	0.2143
10-12	10	12	10	12	4.94	7.59	4.23	0.84	1.67	9.26	8.43	1033	7	1026	1497	8	1475.72	1.231	1.199	60000	0.4922	19.88	11.7419	0.3087
12-14	12	14	12	14	4.94	7.63	4.26	0.84	1.68	10.94	10.10	2204	25	2179	3212	8	3175.79	1.229	1.197	60000	0.4922	19.88	11.9169	0.2129
14-16	14	16	14	16	4.94	7.50	4.09	0.81	1.61	12.55	11.75	2357	23	2334	3213	8	3174.78	1.242	1.208	60000	0.4922	19.88	11.0204	0.1970
16-18	16	18	16	18	4.94	7.66	4.35	0.86	1.72	14.27	13.41	2084	19	2065	2801	6	2768.26	1.254	1.222	60000	0.4922	19.88	10.7319	0.2054
18-20	18	20	18	20	4.94	7.62	4.29	0.85	1.69	15.97	15.12	2311	16	2295	2998	6	2962.28	1.269	1.236	60000	0.4922	19.88	10.2167	0.1890
20-25	20	25	20	25	4.94	7.82	4.58	0.91	4.54	20.50	18.23	2153	21	2132	2420	7	2385.39	1.266	1.237	60000	0.4922	19.88	8.8554	0.1829
1-2 Duplicate	1	2	0	2	4.94	7.06	3.36	0.66	1.31	1.31	0.99	1995	22	1973	3273	23	3224.01	1.268	1.222	60000	0.4942	19.87	13.1318	0.2338

Table 2: Continued.

Core 17

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
1-2	1	2	0	2	4.94	5.81	1.42	0.26	0.52	0.52	0.39	1723	17	1706	3437	6	3409.00	1.223	1.098	60000	0.4929	19.88	17.8380	0.3070
2-3	2	3	2	3	4.93	5.79	1.35	0.24	0.24	0.76	0.64	2505	21	2484	4889	7	4849.96	1.255	1.119	60000	0.4929	19.88	17.1045	0.2468
3-4	3	4	3	4	4.93	5.87	1.47	0.27	0.27	1.03	0.89	2262	17	2245	4410	6	4375.05	1.248	1.125	60000	0.4929	19.88	16.9753	0.2578
4-5	4	5	4	5	4.93	5.95	1.59	0.29	0.29	1.32	1.17	1657	19	1638	3113	7	3084.88	1.259	1.145	60000	0.4929	19.88	16.1180	0.2918
5-6	5	6	5	6	4.93	5.94	1.55	0.28	0.28	1.61	1.46	1641	17	1624	3252	6	3225.06	1.275	1.156	60000	0.4929	19.88	16.8387	0.2980
6-7	6	7	6	7	4.93	6.05	1.76	0.33	0.33	1.93	1.77	1897	21	1876	3675	7	3643.81	1.272	1.170	60000	0.4929	19.88	16.2692	0.2709
7-8	7	8	7	8	4.93	6.20	2.02	0.38	0.38	2.32	2.13	1722	22	1700	3132	23	3087.08	1.283	1.196	60000	0.4929	19.88	14.8841	0.2708
8-9	8	9	8	9	4.93	6.05	1.79	0.33	0.33	2.65	2.48	1602	8	1594	2771	8	2742.44	1.245	1.147	60000	0.4929	19.88	14.7018	0.2826
9-10	9	10	9	10	4.93	6.08	1.81	0.34	0.34	2.99	2.82	969	23	946	1687	8	1666.54	1.239	1.143	60000	0.4942	19.87	15.1388	0.3740
10-12	10	12	10	12	4.93	6.22	2.02	0.38	0.76	3.75	3.37	2191	23	2168	3926	8	3890.04	1.268	1.181	60000	0.4929	19.88	14.8921	0.2401
12-14	12	14	12	14	4.93	6.24	1.99	0.37	0.75	4.50	4.13	1018	19	999	1745	7	1725.12	1.330	1.236	60000	0.4929	19.88	13.6892	0.3321
14-16	14	16	14	16	4.93	6.21	2.03	0.38	0.76	5.26	4.88	2027	17	2010	3097	6	3065.08	1.239	1.143	60000	0.4929	19.88	13.0687	0.2375
16-18	16	18	16	18	4.93	6.14	1.90	0.36	0.71	5.97	5.62	2264	21	2243	3125	7	3089.07	1.259	1.166	60000	0.4929	19.88	11.5713	0.2096
18-20	18	20	18	20	4.93	6.05	1.78	0.33	0.67	6.64	6.31	1720	17	1703	2294	6	2265.57	1.356	1.249	60000	0.4942	19.87	10.4597	0.2214
20-25	20	25	20	25	4.93	6.17	1.94	0.37	1.83	8.47	7.55	1741	22	1719	1917	23	1871.83	1.269	1.178	60000	0.4929	19.88	9.0603	0.2132
25-30	25	30	25	30	4.93	6.24	2.02	0.38	1.91	10.38	9.42	1853	8	1845	1741	8	1709.21	1.282	1.194	60000	0.4929	19.88	7.6058	0.1861
30-35	30	35	30	35	4.93	6.24	2.03	0.38	1.91	12.28	11.33	1650	25	1625	1670	8	1641.04	1.292	1.199	60000	0.4929	19.88	8.2539	0.2060
35-40	35	40	35	40	4.93	6.17	1.90	0.36	1.79	14.07	13.18	1995	23	1972	1238	8	1204.57	1.268	1.174	60000	0.4929	19.88	5.0971	0.1494
40-45	40	45	40	45	4.93	6.18	1.92	0.36	1.80	15.88	14.97	2159	19	2140	1281	7	1246.40	1.294	1.199	60000	0.4929	19.88	4.7594	0.1370
45-50	45	50	45	50	4.93	6.12	1.86	0.35	1.75	17.62	16.75	2045	17	2028	933	6	900.85	1.261	1.166	60000	0.4929	19.88	3.7336	0.1270
2-3 Duplicate	2	3	2	3	4.93	5.79	1.35	0.24	0.24	0.76	0.64	1549	21	1528	3104	7	3077.29	1.270	1.132	60000	0.4929	19.88	17.4345	0.3160
14-16 Duplicate	14	16	14	16	4.93	6.21	2.03	0.38	0.76	5.26	4.88	1412	19	1393	2307	7	2281.65	1.342	1.238	60000	0.4942	19.87	12.9873	0.2738

Core 18

1-2	1	2	0	2	4.93	8.97	6.21	1.24	2.48	2.48	1.86	1745.0	17.00	1728	1468	6	1439.71	1.583	1.560	60000	0.4944	19.88	5.2498	0.1400
2-3	2	3	2	3	4.93	9.43	7.00	1.40	1.40	3.89	3.18	1635	21	1614	1438	7	1410.18	1.723	1.703	60000	0.4944	19.88	5.0417	0.1359
3-4	3	4	3	4	4.93	9.58	7.30	1.46	1.46	5.34	4.61	2305	17	2288	1750	6	1714.49	1.623	1.597	60000	0.4944	19.88	4.6124	0.1127
4-5	4	5	4	5	4.93	9.43	6.97	1.40	1.40	6.74	6.04	1464	22	1442	1168	23	1126.40	1.707	1.687	60000	0.4944	19.88	4.5505	0.1394
5-6	5	6	5	6	4.93	9.53	7.11	1.43	1.43	8.17	7.45	1370	8	1362	867	8	841.43	1.714	1.695	60000	0.4944	19.88	3.5827	0.1259
6-7	6	7	6	7	4.93	9.77	7.36	1.48	1.48	9.64	8.91	1299	25	1274	718	8	693.57	1.810	1.790	60000	0.4944	19.88	2.9883	0.1161
7-8	7	8	7	8	4.93	9.19	6.72	1.35	1.35	10.99	10.32	1668	23	1645	879	8	849.78	1.773	1.751	60000	0.4944	19.88	2.8988	0.1016
8-9	8	9	8	9	4.93	9.50	7.06	1.41	1.41	12.41	11.70	1623	19	1604	827	7	799.31	1.732	1.712	60000	0.4944	19.88	2.8605	0.1033
9-10	9	10	9	10	4.93	9.32	6.87	1.38	1.38	13.78	13.09	1539	17	1522	555	6	529.37	1.778	1.757	60000	0.4944	19.88	1.9455	0.0870
10-11	10	11	10	11	4.93	9.27	6.68	1.34	1.34	15.12	14.45	1363	21	1342	311	7	286.69	1.789	1.766	60000	0.4944	19.88	1.1888	0.0739
11-12	11	12	11	12	4.93	9.09	6.50	1.30	1.30	16.42	15.77	2083	17	2066	513	6	480.36	1.796	1.772	60000	0.4944	19.88	1.2893	0.0611
12-13	12	13	12	13	4.93	9.24	6.73	1.35	1.35	17.77	17.09	2376	22	2354	502	23	448.64	1.804	1.782	60000	0.4944	19.88	1.0513	0.0537
13-14	13	14	13	14	4.93	9.18	6.61	1.32	1.32	19.09	18.43	1210	8	1202	314	8	290.50	1.817	1.794	60000	0.4944	19.88	1.3242	0.0818
14-15	14	15	14	15	4.93	9.39	6.89	1.38	1.38	20.48	19.78	1876	25	1851	566	8	534.13	1.708	1.688	60000	0.4944	19.88	1.6805	0.0754
15-16	15	16	15	16	4.94	9.28	6.72	1.34	1.34	21.82	21.15	1961	23	1938	576	8	543.01	1.787	1.765	60000	0.4944	19.88	1.5606	0.0695
16-17	16	17	16	17	4.94	9.55	7.10	1.42	1.42	23.24	22.53	1318	19	1299	555	7	531.25	1.876	1.855	60000	0.4944	19.88	2.1673	0.0967
17-18	17	18	17	18	4.94	9.15	6.49	1.30	1.30	24.54	23.89	1291	17	1274	657	6	634.57	1.882	1.857	60000	0.4944	19.88	2.6367	0.1070
18-19	18	19	18	19	4.94	8.98	6.29	1.26	1.26	25.80	25.17	378	21	357	167	7	155.40	1.828	1.802	60000	0.4944	19.88	2.3738	0.2015
2-3 Duplicate	2	3	2	3	4.93	9.43	7.00	1.40	1.40	3.89	3.18	2085	8	2077	2007	8	1972.21	1.762	1.742	60000	0.4944	19.88	5.3580	0.1220
18-9 Duplicate	18	19	18	19	4.94	8.98	6.29	1.26	1.26	25.80	25.17	545	21	524	272	7	258.10	1.730	1.706	60000	0.4942	19.87	2.8359	0.1835

Core 19

1-2	1	2	0	2	4.94	7.07	3.44	0.67	1.35	1.35	1.01	2657	25	2632	4189	8	4147.06	1.209	1.167	60000	0.5001	19.88	13.4215	0.2097
2-3	2	3	2	3	4.94	7.29	3.81	0.75	0.75	2.10	1.72	1832	17	1815	3219	6	3189.09	1.372	1.331	60000	0.4942	19.87	12.9673	0.2309
3-4	3	4	3	4	4.94	7.43	3.98	0.78	0.78	2.88	2.49	2122	19	2103	3445	7	3410.88	1.257	1.221	60000	0.5001	19.88	13.2039	0.2274
4-5	4	5	4	5	4.94	7.29	3.72	0.73	0.73	3.61	3.24	2274	17	2257	3675	6	3639.89	1.249	1.209	60000	0.5001	19.88	13.2568	0.2210
5-6	5	6	5	6	4.94	7.88	4.65	0.91	0.91	4.52	4.06	1300	21	1279	2098	7	2074.50	1.232	1.189	60000	0.5001	19.88	13.5636	0.3000
6-7	6	7	6	7	4.94	7.74	4.44	0.88	0.88	5.40	4.96	324	17	307	530	6	520.04	1.264	1.233	60000	0.5001	19.88	13.6559	0.6079
7-8	7	8	7	8	4.94	7.56	4.19	0.83	0.83	6.22	5.81	1610	22	1588	2832	23	2788.52	1.262	1.229	60000	0.5001	19.88	14.2079	0.2722
8-9	8	9	8	9	4.94	7.43	4.00	0.79	0.79	7.01	6.62	1303	8	1295	2398	8	2373.30	1.235	1.200	60000	0.5001	19.88	15.1811	0.3138
9-10	9	10	9	10	4.94	7.43	3.97	0.78	0.78	7.79	7.40	2236	25	2211	4030	8	3993.49	1.234	1.198	60000	0.5001	19.88	14.9819	0.2384
10-12	10	12	10	12	4.94	7.49	4.06	0.80	1.60	9.39	8.59	2027	23	2004	3194	8	3160.15	1.245	1.210	60000	0.5001	19.88	12.9520	0.2319
12-14	12	14	12	14	4.94	7.22	3.67	0.72	1.44	10.83	10.11	1400	19	1381	2415	7	2390.19	1.261	1.221	60000	0.5001	19.88	14.0941	0.2902
14-16	14	16	14	16	4.94	7.33	3.82	0.75	1.50	12.33	11.58	1141	17	1124	1863	6	1842.50	1.269	1.230	60000	0.5001	19.88	13.2434	0.3107
16-18	16	18	16	18	4.94	7.30	3.75	0.74	1.47	13.80	13.06	2495	21	2474	3982	7	3943.09	1.237	1.198	60000	0.5001	19.88	13.2214	0.2118
18-20	18	20	18	20	4.94	7.32	3.81	0.75	1.50	15.30	14.55	1905	8	1897	3236	8	3203.01	1.333	1.292	60000	0.4942	19.87	12.8289	0.2281
1-2 Duplicate	1	2	0	2	4.94	7.07	3.44	0.67	1.35	1.35	1.01	2296	8	2288	3677	8	3639.49	1.226	1.183	60000	0.5001	19.88	13.3619	0.2229
6-7 Duplicate	6	7	6	7	4.94	7.74	4.44	0.88	0.88	5.40	4.96	790	22	768	1341	23	1307.88	1.376	1.342	60000	0.4942	19.87	12.4579	0.3518

Table 2: Continued.

Core 20

Core Depth (cm)	Upper Depth	Lower Depth	Extrapolated Upper Section Depth (cm)	Extrapolated Lower Section Depth (cm)	Volume of wet sample (ml)	Weight of wet sample (g)	Weight of dry sample (g)	Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	Mass in extrapolated section (g/cm2)	Cumulative Mass to Bottom of Current Section (g/cm2)	Plot-point of cumulative mass in current section (g/cm2)	Po-209 counts	Detector Po-209 Back-Ground Counts	Po-209 counts less detector back-ground	Po-210 counts	Detector Po-210 Back-Ground Counts	Po-210 counts less detector back-ground	Weight of Sample Counted (g)	Weight of Sample Counted-Salt (g)	Count Time (sec)	Spike Size (ml)	Spike Activity (DPM/ ml)	Po-210 Total Activity (DPM/g) (salt corrected)	Error Po 210 +/- 1 S.D. (DPM/g)
3-4	3	4	3	4	4.94	6.21	2.03	0.38	0.38	1.46	1.27	2322	8	2314	3755	8	3716.18	1.227	1.143	60000	0.4929	19.87	13.7597	0.2271
4-5	4	5	4	5	4.94	6.20	2.02	0.38	0.38	1.84	1.65	2102	25	2077	3454	8	3418.34	1.258	1.172	60000	0.4929	19.87	13.7532	0.2367
5-6	5	6	5	6	4.94	6.22	2.05	0.39	0.39	2.23	2.04	1095	23	1072	1550	8	1527.72	1.236	1.153	60000	0.4929	19.87	12.1095	0.3129
6-7	6	7	6	7	4.94	6.29	2.15	0.41	0.41	2.64	2.43	2081	19	2062	3051	7	3016.53	1.288	1.206	60000	0.4929	19.87	11.8797	0.2178
7-8	7	8	7	8	4.94	6.35	2.26	0.43	0.43	3.07	2.85	1470	25	1445	1517	8	1489.97	0.945	0.889	60000	0.4942	19.87	11.3946	0.2986
8-9	8	9	8	9	4.94	6.33	2.21	0.42	0.42	3.49	3.28	708	23	685	556	8	538.98	0.925	0.868	60000	0.4942	19.87	8.9001	0.3922
9-10	9	10	9	10	4.94	6.34	2.24	0.42	0.42	3.91	3.70	1922	19	1903	1823	7	1790.94	1.214	1.134	60000	0.4942	19.87	8.1474	0.1946
10-12	10	12	10	12	4.94	6.36	2.25	0.43	0.86	4.77	4.34	1867	22	1845	1516	23	1468.43	1.236	1.162	60000	0.4929	19.87	6.7110	0.1793
12-14	12	14	12	14	4.94	6.33	2.22	0.42	0.84	5.62	5.19	2317	8	2309	1635	8	1596.24	1.230	1.155	60000	0.4929	19.87	5.8642	0.1489
14-16	14	16	14	16	4.94	6.36	2.28	0.43	0.87	6.49	6.05	2087	25	2062	1061	8	1025.53	1.208	1.137	60000	0.4929	19.87	4.2863	0.1367
16-18	16	18	16	18	4.94	6.34	2.22	0.42	0.85	7.33	6.91	2549	23	2526	1184	8	1142.35	1.215	1.141	60000	0.4929	19.87	3.8833	0.1174
18-20	18	20	18	20	4.94	6.31	2.22	0.42	0.84	8.18	7.75	1046	19	1027	403	7	382.32	1.242	1.166	60000	0.4929	19.87	3.1267	0.1656
20-25	20	25	20	25	4.94	6.30	2.17	0.41	2.06	10.23	9.21	1870	17	1853	570	6	539.32	1.248	1.169	60000	0.4929	19.87	2.4383	0.1085
25-30	25	30	25	30	4.94	6.53	2.59	0.50	2.49	12.73	11.48	2271	17	2254	555	6	519.31	1.207	1.146	60000	0.4942	19.87	1.9735	0.0900
30-35	30	35	30	35	4.94	6.49	2.48	0.47	2.37	15.10	13.91	2182	17	2165	499	6	464.16	1.275	1.207	60000	0.4929	19.87	1.7402	0.0843
35-40	35	40	35	40	4.94	6.42	2.40	0.46	2.30	17.40	16.25	1707	21	1686	298	7	268.79	1.088	1.028	60000	0.4942	19.87	1.5228	0.0989
40-45	40	45	40	47.5	4.94	6.39	2.36	0.45	3.38	20.78	18.53	1739	8	1731	443	8	411.94	1.351	1.275	60000	0.4929	19.87	1.8288	0.0943
45-50	50	55	48	55	4.94	6.86	3.04	0.59	4.43	25.21	23.73	2030	25	2005	1040	8	1005.29	1.251	1.199	60000	0.4929	19.87	4.0959	0.1319
20-25 Duplicate	20	25	20	25	4.94	6.30	2.17	0.41	2.06	10.23	9.21	1257	21	1236	325	7	301.54	1.242	1.164	60000	0.4929	19.87	2.0536	0.1241
50-55 Duplicate	50	55	48	55	4.94	6.86	3.04	0.59	4.43	25.21	23.73	1574	17	1557	759	6	732.49	1.185	1.136	60000	0.4942	19.87	4.0671	0.1536

Core 21

1-2	1	2	0	2	4.94	5.66	1.16	0.21	0.41	0.41	0.31	2138	26	2112	3770	8	3734.01	1.319	1.151	60000	0.4919	19.86	15.0099	0.2471
2-3	2	3	2	3	4.94	5.83	1.44	0.26	0.26	0.67	0.54	2042	22	2020	3334	23	3284.39	1.270	1.142	60000	0.4937	19.87	13.9672	0.2464
3-4	3	4	3	4	4.94	5.89	1.51	0.28	0.28	0.95	0.81	2059	8	2051	3356	8	3320.99	1.267	1.146	60000	0.4937	19.87	13.8600	0.2421
4-5	4	5	4	5	4.94	6.00	1.77	0.33	0.33	1.28	1.12	2293	25	2268	3531	8	3493.13	1.227	1.130	60000	0.4937	19.87	13.3723	0.2277
5-6	5	6	5	6	4.94	5.91	1.59	0.29	0.29	1.57	1.43	2417	23	2394	3469	8	3429.47	1.224	1.114	60000	0.4937	19.87	12.6168	0.2169
6-7	6	7	6	7	4.94	6.44	2.47	0.47	0.47	2.05	1.81	1427	22	1405	1652	23	1610.49	1.228	1.163	60000	0.4937	19.87	9.6700	0.2457
7-8	7	8	7	8	4.94	6.15	1.95	0.37	0.37	2.41	2.23	2373	8	2365	3087	8	3047.85	1.251	1.162	60000	0.4937	19.87	10.8840	0.1987
8-9	8	9	8	9	4.94	6.29	2.28	0.44	0.44	2.85	2.63	2095	25	2070	2071	8	2035.74	1.247	1.175	60000	0.4937	19.87	8.2137	0.1840
9-10	9	10	9	10	4.94	6.17	2.03	0.38	0.38	3.23	3.04	2232	23	2209	2111	8	2073.90	1.242	1.159	60000	0.4937	19.87	7.9490	0.1764
10-12	10	12	10	12	4.94	6.34	2.19	0.41	0.82	4.05	3.64	2087	19	2068	1595	7	1560.60	1.289	1.191	60000	0.4919	19.86	6.1917	0.1588
12-14	12	14	12	14	4.94	6.38	2.31	0.44	0.88	4.93	4.49	2285	17	2268	1285	6	1249.13	1.257	1.184	60000	0.4937	19.87	4.5639	0.1313
14-16	14	16	14	16	4.94	6.24	2.07	0.39	0.78	5.72	5.33	1689	21	1668	838	7	809.03	1.243	1.160	60000	0.4937	19.87	4.1015	0.1474
16-18	16	18	16	18	4.94	6.43	2.33	0.45	0.89	6.61	6.16	2190	17	2173	767	6	732.38	1.238	1.166	60000	0.4937	19.87	2.8352	0.1076
18-20	18	20	18	20	4.94	6.32	2.16	0.41	0.82	7.43	7.02	2535	22	2513	789	23	732.90	1.238	1.159	60000	0.4937	19.87	2.4678	0.0960
20-25	20	25	20	25	4.94	6.40	2.44	0.47	2.34	9.77	8.60	2434	8	2426	634	8	594.05	1.251	1.184	60000	0.4937	19.87	2.0289	0.0865
25-30	25	30	25	30	4.94	6.61	2.66	0.51	2.56	12.33	11.05	2520	25	2495	513	8	472.14	1.231	1.171	60000	0.4937	19.87	1.5859	0.0767
30-35	30	35	30	35	4.94	7.00	3.25	0.63	3.17	15.50	13.92	573	23	550	95	8	79.76	1.248	1.201	60000	0.4937	19.87	1.1850	0.1508
35-40	35	40	35	40	4.94	6.77	2.94	0.57	2.85	18.35	16.93	2412	19	2393	475	7	436.48	1.250	1.196	60000	0.4937	19.87	1.4960	0.0752
7-8 Duplicate	7	8	7	8	4.94	6.15	1.95	0.37	0.37	2.41	2.23	2194	24	2170	2741	8	2704.24	1.209	1.123	60000	0.4919	19.86	10.8439	0.2102
30-35 Duplicate	30	35	30	35	4.94	7.00	3.25	0.63	3.17	15.50	13.92	2004	17	1987	466	6	433.67	1.764	1.697	60000	0.4919	19.86	1.2564	0.0629

Core 22

1-2	1	2	0	2	4.94	5.73	1.29	0.23	0.46	0.46	0.35	2680.0	22.00	2658	4846	23	4787.99	1.236	1.096	60000	0.4931	19.87	16.1070	0.2347
2-3	2	3	2	3	4.94	5.81	1.43	0.26	0.26	0.72	0.59	1892	8	1884	3553	8	3520.19	1.249	1.122	60000	0.4931	19.87	16.3110	0.2765
3-4	3	4	3	4	4.94	5.80	1.41	0.26	0.26	0.98	0.85	2125	25	2100	3862	8	3826.34	1.231	1.105	60000	0.4931	19.87	16.1638	0.2628
4-5	4	5	4	5	4.94	5.81	1.43	0.26	0.26	1.24	1.11	2201	21	2180	4393	7	4357.11	1.372	1.233	60000	0.4919	19.86	15.8344	0.2411
5-6	5	6	5	6	4.94	5.83	1.44	0.26	0.26	1.50	1.37	1834	19	1815	3419	7	3388.09	1.235	1.110	60000	0.4931	19.87	16.4752	0.2846
6-7	6	7	6	7	4.94	5.93	1.62	0.30	0.30	1.80	1.65	2100	17	2083	3774	6	3740.56	1.253	1.143	60000	0.4931	19.87	15.3903	0.2530
7-8	7	8	7	8	4.94	5.99	1.68	0.31	0.31	2.11	1.96	1201	21	1180	2091	7	2068.46	1.245	1.139	60000	0.4931	19.87	15.0762	0.3338
8-9	8	9	8	9	4.94	5.92	1.59	0.29	0.29	2.40	2.26	2057	17	2040	3642	6	3609.13	1.217	1.085	60000	0.4931	19.87	15.9722	0.2673
9-10	9	10	9	10	4.94	5.96	1.66	0.31	0.31	2.71	2.55	1961	23	1938	3333	8	3299.47	1.271	1.163	60000	0.4931	19.87	14.3487	0.2514
10-12	10	12	10	12	4.94	5.97	1.67	0.31	0.62	3.32	3.02	2173	17	2156	3992	6	3957.43	1.387	1.269	60000	0.4919	19.86	14.1318	0.2258
12-14	12	14	12	14	4.94	5.98	1.69	0.31	0.63	3.95	3.64	1759	17	1742	2758	6	2729.06	1.223	1.120	60000	0.4931	19.87	13.7002	0.2639
14-16	14	16	14	16	4.94	5.99	1.69	0.31	0.63	4.58	4.27	2386	21	2365	3660	7	3621.85	1.248	1.143	60000	0.4931	19.87	13.1244	0.2194
16-18	16	18	16	19	4.94	6.00	1.71	0.32	0.95	5.53	4.90	1639	17	1622	2159	6	2131.64	1.249	1.146	60000	0.4931	19.87	11.2403	0.2454
18-20	18	23	18	23	4.94	5.94	1.61	0.30	1.4887	6.7034	5.96	2298	22	2276	2370	23	2317.02	1.221	1.113	60000	0.4931	19.87	8.9622	0.1892
20-25	23	28	23	28	4.94	5.99	1.66	0.31	1.5251	8.2286	7.47	1903	8	1895	1614	8	1581.04	1.234	1.118	60000	0.4931	19.87	7.3139	0.1863
25-30	28	33	28	33	4.94	6.02	1.74	0.32	1.6165	9.8451	9.04	2415	25	2390	1824	8	1784.52	1.288	1.183	60000	0.4931	19.87	6.1834	0.1483
30-35	33	38	33	38	4.94	5.94	1.66	0.31	1.5368	11.3819	10.61	2010	23	1987	1294	8	1259.83	1.235	1.130	60000	0.4931	19.87	5.4982	0.1575
35-40	38	43	38	43	4.94	6.02	1.74	0.32	1.6179	12.9998	12.19	1968	19	1949	1025	7	992.33	1.214	1.115	60000	0.4931	19.87	4.4723	0.1448
45-50	43	48	43	48	4.94	6.01	1.72	0.32	1.5994	14.5991	13.80	2263	17	2246	1060	6	1024.42	1.262	1.158	60000	0.4931	19.87	3.8583	0.1230
50-55	48	53	48	53	4.94	6.04	1.75	0.33	1.6256	16.2247	15.41	2129	21	2108	973	7	938.24	1.251	1.150	60000	0.4931	19.87	3.7934	0.1266
8-9 Duplicate	8	9	8	9	4.94	5.92	1.59	0.29	0.29	2.40	2.26	2132	8	2124	3749	8	3713.02	1.236	1.102	60000	0.4931	19.87	15.5384	0.2565
25-30 Duplicate	23.00	28.00	23.00	28.00	4.94	5.99	1.66	0.31	1.6165	9.8451	9.04	1709	25	1684	1472	8	1441.82	1.255	1.137	60000	0.4931	19.87	7.3800	0.1969

Table 3. Activity of radium in subsections of sediment cores. Error represents 1 standard deviation.

Core Identification	Sample Interval (cm)	Ra-226 dpm/g	Ra-226 pCi/g	Error +/- (dpm/ g dry wt.)
GVRD-1	14-46	0.74	0.33	0.012
GVRD-1	25-30	0.66	0.30	0.011
GVRD-1	40-45	0.63	0.29	0.011
GVRD-2	14-16	0.76	0.35	0.012
GVRD-2	25-30	0.92	0.42	0.014
GVRD-2	40-45	0.94	0.42	0.014
GVRD-3	14-16	0.63	0.28	0.011
GVRD-3	25-30	0.46	0.21	0.010
GVRD-3	40-45	0.55	0.25	0.011
GVRD-4	14-16	2.18	0.99	0.022
GVRD-4	20-25	0.86	0.39	0.014
GVRD-4	30-35	2.25	1.02	0.023
GVRD-5	147-16	0.99	0.45	0.015
GVRD-5	25-30	0.41	0.18	0.009
GVRD-5	45-50	1.17	0.53	0.016
GVRD-6	14-16	0.50	0.23	0.009
GVRD-6	25-30	0.62	0.28	0.011
GVRD-6	40-45	0.61	0.27	0.013
GVRD-7	14-16	0.50	0.010	0.010
GVRD-7	20-25	0.48	0.010	0.010
GVRD-7	40-44	1.06	0.017	0.017
GVRD-8	8-9	0.61	0.27	0.010
GVRD-8	14-16	0.66	0.30	0.010
GVRD-8	25-30	0.70	0.32	0.010
GVRD-9	8-9	1.26	0.57	0.010
GVRD-9	14-16	1.22	0.55	0.010
GVRD-9	25-30	1.19	0.54	0.010
GVRD-10	8-9	0.70	0.32	0.010
GVRD-10	14-16	0.65	0.29	0.010
GVRD-10	25-30	0.69	0.31	0.010
GVRD-11	8-9	0.86	0.39	0.010
GVRD-11	14-16	0.88	0.40	0.010
GVRD-11	25-30	0.77	0.35	0.010
GVRD-12	8-9	1.35	0.61	0.010
GVRD-12	14-16	1.38	0.62	0.010
GVRD-12	25-30	1.29	0.59	0.010
GVRD-13	8-9	1.34	0.61	0.010
GVRD-13	14-16	1.28	0.58	0.010
GVRD-13	25-30	1.69	0.76	0.010
GVRD-14	8-9	0.57	0.26	0.010
GVRD-14	14-16	0.60	0.27	0.010
GVRD-14	25-30	0.69	0.31	0.010
GVRD-15	8-9	0.49	0.22	0.010
GVRD-15	14-16	0.52	0.24	0.010
GVRD-15	25-30	0.48	0.22	0.010

Table 3. Continued.

Core Identification	Sample Interval (cm)	Ra-226 dpm/g	Ra-226 pCi/g	Error +/- (dpm/g)
GVRD-16	5-6	0.45	0.20	0.01
GVRD-16	10-12	0.47	0.21	0.01
GVRD-16	18-20	0.47	0.21	0.01
GVRD-17	9-10	2.30	1.04	0.02
GVRD-17	20-25	2.10	0.95	0.02
GVRD-17	40-45	2.09	0.95	0.02
GVRD-18	6-7	0.30	0.14	0.01
GVRD-18	12-13	0.44	0.20	0.01
GVRD-18	17-18	0.36	0.16	0.01
GVRD-19	4-5	0.58	0.26	0.01
GVRD-19	9-10	0.53	0.24	0.01
GVRD-19	16-18	0.57	0.26	0.01
GVRD-20	8-9	0.81	0.37	0.01
GVRD-20	14-16	0.89	0.40	0.01
GVRD-20	25-30	0.92	0.42	0.01
GVRD-21	9-10	0.48	0.22	0.01
GVRD-21	18-20	0.47	0.21	0.01
GVRD-21	30-35	0.48	0.22	0.01
GVRD-22	10-12	1.39	0.63	0.01
GVRD-22	25-30	1.35	0.61	0.01
GVRD-22	45-50	1.41	0.94	0.01

Table 4: Results of the AVS, metals and lead isotope analysis. NM cells indicate that this variable was not measured in that interval.

Sample Depth (cm)	AVS (µmol/g p.s.)	Al (%)	Fe (%)	Mg (%)	Ca (%)	Ba (µg/g)	Mn (µg/g)	Cd (µg/g)	Mo (µg/g)	U (µg/g)	Re (ng/g)	As (µg/g)	Ag (µg/g)	Co (µg/g)	Cr (µg/g)	Ni (µg/g)	Cu (µg/g)	Zn (µg/g)	Pb (µg/g)	Pb 206/207	Pb 206/208	Pb 206/204	Hg (ng/g)	K (%)	Na (%)	Ti (µg/g)	S (µg/g)	P (µg/g)	Porosity
Core 1																													
0-1	0.16	4.56	3.40	1.70	1.61	281.11	787.21	0.30	1.42	2.26	10.30	8.14	0.32	17.22	56.38	37.98	51.75	115.54	18.68	1.18	0.48	18.35	149.50	1.02	5.42	2647.83	5864.70	955.00	0.95
1-2	0.83	4.77	3.50	1.70	1.66	291.67	604.18	0.33	1.33	2.52	11.52	8.29	0.32	17.74	41.03	38.41	55.18	120.24	19.23	1.17	0.48	18.31	134.16	1.04	5.08	2777.72	5950.63	852.99	0.94
2-3	1.35	4.88	3.57	1.68	1.68	297.57	569.29	0.33	1.44	2.63	11.92	8.51	0.34	18.15	50.29	38.78	54.96	123.13	19.66	1.17	0.48	18.32	140.60	1.05	4.73	2857.68	5839.32	790.44	0.93
3-4	0.40	4.86	3.55	1.66	1.68	294.96	540.15	0.35	1.47	2.72	12.64	8.71	0.34	18.23	58.03	39.23	55.51	122.49	19.89	1.18	0.48	18.36	142.30	1.04	4.73	2831.25	5994.18	800.00	0.93
4-5	1.13	4.95	3.60	1.65	1.79	302.00	543.88	0.34	1.55	2.66	12.14	8.93	0.48	18.16	58.59	38.80	57.80	123.77	19.79	1.17	0.48	18.30	149.45	1.05	4.54	2843.09	6024.04	837.99	0.93
5-6	1.19	4.98	3.68	1.70	1.75	302.35	552.60	0.32	1.58	2.65	12.27	8.80	0.33	17.98	57.76	38.65	57.40	125.85	19.63	1.17	0.48	18.36	148.26	1.07	4.63	2917.67	6304.09	828.15	0.92
6-7	0.62	5.12	3.74	1.71	1.74	312.61	566.65	0.34	1.79	2.83	13.36	9.58	0.37	18.91	63.34	40.16	56.18	129.06	20.53	1.18	0.48	18.32	163.47	1.08	4.52	2965.30	6555.41	776.63	0.92
7-8	1.88	5.07	3.71	1.65	1.71	307.74	555.32	0.33	2.17	2.82	14.07	9.91	0.34	19.00	63.67	42.04	59.21	129.01	20.79	1.18	0.48	18.45	161.40	1.06	4.39	2904.78	7022.57	776.31	0.92
8-9	0.18	5.10	3.77	1.66	1.72	310.85	563.50	0.35	1.91	2.65	14.18	10.16	0.35	18.92	59.61	39.96	60.63	131.41	21.05	1.18	0.48	18.39	150.24	1.06	4.34	2944.61	7388.53	796.62	0.92
9-10	1.00	5.17	3.87	1.69	1.78	313.64	572.30	0.36	2.24	2.79	14.87	10.29	0.35	19.28	53.19	40.52	63.56	133.54	21.42	1.17	0.48	18.26	154.79	1.08	4.31	3023.10	7912.30	781.50	0.92
10-12	0.42	5.13	3.83	1.66	1.73	312.52	559.67	0.33	3.14	2.87	15.42	10.70	0.34	19.42	51.26	40.90	64.90	136.75	21.87	1.18	0.48	18.24	152.66	1.06	4.10	3017.32	8331.64	732.69	0.91
12-14	0.78	5.18	3.86	1.68	1.73	319.52	566.63	0.29	3.98	3.00	15.20	11.38	0.31	19.15	59.20	41.24	62.27	139.31	20.16	1.17	0.48	18.31	161.08	1.09	4.06	3014.43	9007.91	682.97	0.90
14-16	0.29	5.16	3.83	1.66	1.72	319.36	549.83	0.32	3.97	3.13	16.88	11.33	0.29	19.18	50.76	40.52	55.75	134.93	19.04	1.17	0.48	18.26	146.07	1.08	3.91	3025.82	9048.54	662.94	0.90
16-18	0.36	5.30	3.90	1.67	1.71	328.24	549.91	0.33	4.39	3.44	18.52	11.14	0.26	19.08	54.24	41.15	52.99	130.72	17.62	1.18	0.48	18.44	143.95	1.10	4.02	3082.11	9584.70	667.24	0.90
18-20	0.20	5.21	3.83	1.63	1.68	325.27	536.74	0.33	5.32	3.62	18.95	11.15	0.23	19.00	56.73	42.27	43.34	117.99	15.29	1.18	0.48	18.48	132.51	1.08	3.86	3004.36	9520.36	628.99	0.90
20-25	0.41	5.39	3.95	1.66	1.68	337.37	550.93	0.35	6.38	3.89	19.46	11.02	0.20	19.21	65.18	44.01	39.46	109.08	12.38	1.19	0.48	18.43	104.95	1.11	3.88	3080.70	9991.93	638.08	0.89
25-30	1.30	5.21	3.85	1.64	1.64	329.86	574.28	0.39	7.49	3.94	20.24	10.06	0.20	18.74	61.89	42.69	35.01	100.06	9.07	1.20	0.48	18.77	90.20	1.11	3.72	3059.82	9858.65	616.21	0.89
30-35	0.70	5.39	3.87	1.67	1.68	335.30	572.40	0.42	7.01	3.65	19.09	9.94	0.18	18.42	55.35	42.54	34.82	99.47	7.80	1.22	0.49	19.05	68.74	1.12	3.83	3083.06	9637.17	606.76	0.89
35-40	0.29	5.06	3.67	1.57	1.59	321.81	550.07	0.43	7.21	3.65	20.09	9.64	0.17	18.20	50.87	41.88	34.77	96.41	7.61	1.22	0.49	19.00	77.09	1.06	3.65	2948.55	9388.29	601.84	0.89
40-45	0.29	5.06	3.71	1.59	1.61	321.92	555.63	0.49	5.85	3.57	20.19	10.81	0.18	18.34	53.50	42.68	32.94	96.55	7.80	1.22	0.49	19.04	73.65	1.07	3.71	2962.55	9628.41	569.64	0.89
50-55	1.55	5.01	3.64	1.53	1.59	316.97	582.79	0.52	8.15	3.88	19.49	10.34	0.18	18.45	57.76	41.86	34.87	97.14	8.23	1.21	0.49	18.97	72.20	1.02	3.53	2853.71	9899.69	598.74	0.88
Core 2																													
0-1	0.1	7.38	4.82	1.83	1.72	571.98	555.34	0.19	1.65	1.74	4.69	10.77	0.42	16.35	88.71	52.31	78.05	138.84	31.58	1.18	0.48	18.41	161.99	1.68	3.10	3522.46	2255.58	973.11	0.83
1-2	0.0	7.51	4.86	1.84	1.75	585.14	555.71	0.19	2.37	1.96	4.50	9.89	0.57	16.89	91.71	53.81	80.27	140.54	33.47	1.18	0.48	18.39	176.00	1.73	2.85	3613.31	2087.69	914.13	0.81
2-3	0.9	7.58	4.80	1.82	1.74	583.33	545.50	0.20	2.28	2.13	4.60	8.95	0.49	17.05	66.26	54.11	79.56	140.85	35.46	1.18	0.48	18.33	193.58	1.73	2.77	3634.95	2064.49	819.58	0.79
3-4	1.1	7.55	4.81	1.81	1.71	587.10	544.65	0.21	2.10	2.17	4.47	9.07	0.52	17.24	88.48	55.11	86.96	140.65	36.12	1.17	0.48	18.24	185.72	1.70	2.66	3617.58	2022.41	855.66	0.78
4-5	0.1	7.36	4.62	1.73	1.71	574.14	531.29	0.22	1.94	2.18	4.87	8.61	0.49	17.01	88.61	53.48	85.70	137.74	36.37	1.18	0.48	18.39	192.59	1.66	2.53	3460.03	1973.35	817.20	0.78
5-6	0.4	7.55	4.77	1.77	1.71	587.51	536.75	0.21	2.23	2.18	4.87	9.29	0.49	17.00	75.60	53.46	87.79	139.74	36.41	1.17	0.48	18.35	235.09	1.69	2.62	3592.23	2064.22	799.17	0.78
6-7	0.5	7.52	4.69	1.74	1.67	581.18	535.21	0.21	2.11	2.18	4.68	9.23	0.49	17.25	86.51	54.18	85.14	140.03	37.29	1.18	0.48	18.29	198.30	1.65	2.52	3498.62	2051.69	821.97	0.77
7-8	0.5	7.64	4.76	1.75	1.79	591.19	542.96	0.20	2.57	2.17	4.60	9.52	0.54	17.75	93.44	56.47	86.53	141.62	38.05	1.18	0.48	18.38	197.81	1.67	2.37	3548.89	1954.22	821.18	0.77
8-9	1.0	7.66	4.75	1.83	1.69	592.19	525.43	0.21	2.01	2.08	4.31	9.83	0.51	17.40	86.89	55.62	81.15	133.88	37.28	1.17	0.48	18.33	204.12	1.78	2.69	3634.90	2063.93	836.18	0.77
9-10	0.0	7.72	4.80	1.86	1.72	597.35	530.26	0.21	2.28	2.05	4.62	9.90	0.52	17.25	89.02	55.50	84.15	136.72	37.03	1.18	0.48	18.35	187.91	1.80	2.71	3597.43	2141.50	847.62	0.76
10-12	0.5	7.65	4.73	1.79	1.67	592.80	521.28	0.20	2.31	2.02	5.11	9.72	0.51	17.13	79.72	55.15	85.43	133.32	37.33	1.18	0.48	18.44	187.81	1.78	2.57	3584.26	2100.00	845.44	0.75
12-14	0.8	7.68	4.65	1.76	1.67	602.25	510.96	0.20	2.53	2.22	4.11	9.77	0.58	17.12	69.97	54.87	86.77	134.85	40.07	1.17	0.48	18.36	219.98	1.76	2.57	3522.25	2257.57	783.82	0.74
14-16	2.1	7.85	4.81	1.82	1.80	605.62	535.12	0.23	2.72	2.32	4.42	11.48	0.51	18.14	79.04	58.27	80.88	143.23	44.51	1.17	0.48	18.26	237.37	1.79	2.56	3662.24	2721.01	736.06	0.73
16-18	2.2	7.64	4.70	1.80	1.70	596.55	522.74	0.28	2.74	2.33	4.08	11.50	0.51	18.07	73.96	57.94	71.11	144.36	42.40	1.17	0.48	18.28	306.12	1.77	2.46	3517.80	2849.20	740.00	0.73
18-20	4.2	7.70	4.77	1.81	1.68	600.54	525.27	0.27	2.68	2.41	3.97	11.23	0.74	18.53	80.97	58.54	58.46	140.82	40.81	1.18	0.48	18.34	251.00	1.78	2.48	3579.46	3045.95	718.74	0.73
20-25	3.9	7.89	4.89	1.89	1.70	617.45	547.10	0.23	2.68	2.53	4.24	11.70	0.37	18.66	88.45	58.01	53.42	138.41	33.99	1.18	0.48	18.37	215.49	1.88	2.52	3617.59	3038.45	729.73	0.74
25-30	5.9	7.83	4.74	1.82	1.61	603.20	528.45	0.21	2.40	2.51	3.92	12.07	0.20	18.74	85.54	55.61	44.93	125.30	25.51	1.18	0.48	18.51	195.20	1.86	2.45	3507.78	2751.86	716.20	0.75
30-35	0.8	8.06	5.01	1.93	1.73	629.86	560.54	0.20	2.23	2.48	3.88	10.97	0.16	19.48	87.32	57.39	41.08	117.97	22.25	1.19	0.49	18.65	167.60	1.92	2.66	3723.64	2827.45	753.15	0.75
40-45	0.3	7.76	4.93	1.91	1.58	617.52	549.26	0.23	1.89	2.19	3.22	9.17	0.12	19.81	82.52	60.98	37.31	111.59	16.57	1.21	0.49	18.90	125.12	1.87	2.52	3640.49	2436.43	776.77	0.74
Core 3																													
0-1	1.5	6.82	4.05	1.67	1.96	582.69	485.45	0.36	3.45	1.41	2.69	6.18	0.44	20.97	95.08	47.97	40.65	99.39	9.05	1.21	0.48	19.17	71.69	NM	NM	NM	2780.73	NM	0.72
1-2	0.54	7.35	4.30	1.76	2.01	610.98	513.89	0.36	3.02	1.43	2.76	6.03	0.46	21.11	103.12	50.27	45.10	105.56	13.64	1.21	0.48	18.99	58.23	NM	NM	NM	2782.40	NM	0.70
2-3	9.2	7.49	4.41	1.78	2.06	623.21	522.44	0.34	4.68	1.45	2.68	5.68	0.48	21.15	91.40	53.08	46.13	107.16	11.92	1.22	0.49	19.07	68.20	NM	NM	NM	2767.62	NM	0.68
3-4	26	7.13	4.19	1.67	2.00	591.94	490.86	0.35	4.76	1.47	2.90	8.08	0.45	21.05	98.06	49.60	43.69	101.37	9.95	1.21	0.49	19.00	64.10	NM	NM	NM	3251.09	NM	0.66
4-5	25	7.04	4.11	1.65	2.27	579.55	488.20	0.38	3.62	1.67	2.95	4.92	0.56	20.12	85.85	47.92	42.13	99.75	11.73	1.21	0.48	19.09	79.97	NM	NM	NM	3090.69	NM	0.64
5-6	32	7.16	4.20	1.69	2.03	589.58	494.50	0.33	3.59	1.56	2.89	4.60	0.47	22.41	99.39	49.41	42.51	103.27	10.05	1.21	0.48	19.12	98.51	NM	NM	NM	3583.78	NM	0.64
6-7	23	7.07	4.19	1.68	1.99	596.68	490.11	0.33	3.58	1.71	3.17	5.29	0.49	21.60	79.25	50.50	42.77	98.71	10.44	1.21	0.48	18.89	76.77	NM	NM	NM	3634.16	NM	0.63
7-8	26	6.77	3.98	1.59	2.04	575.21	481.92	0.34	3.89	1.95	3.47	5.77	0.49	20.33	78.30	47.15	37.49	94.88	11.39	1.21	0.48	19.05	88.98	NM	NM	NM	3671.19	NM	0.60
8-9	33	6.94	3.96	1.58	1.99	584.80	482.40	0.34	3.93	1.91	3.43	6.73	0.48	20.48	95.39	47.55	35.91	93.70	11.22	1.22	0.49	19.06	74.83	NM	NM	NM	3530.83	NM	0.57
9-10	27	6.99	3.98	1.56	1.92	593.97	487.95	0.30	6.81	1.66	2.89	4.97	0.51	21.15	96.65	50.53	36.48	90.00	11.92	1.20	0.48	19.18	110.87	NM	NM	NM	3253.03	NM	0.54
10-12	25	6.53	3.73	1.48	1.91	551.27	458.27	0.23	5.05	1.54	2.68	5.61	0.39	19.78	93.70	44.05	33.24	86.55	9.26	1.21	0.48	18.87	196.28	NM	NM	NM	3056.73	NM	0.56
12-14	21	7.26	4.26	1.69	1.90	603.62	502.83	0.22	4.18	1.96	3.28	7.64	0.38	21.77	76.28	51.34	37.92	98.34	11.39	1.21	0.49	18.74	84.04	NM	NM	NM	2938.32	NM	0.58
14-16	17	8.02	4.84	1.89	1.99	660.29	560.22	0.14	4.47	1.63	2.53	7.64	0.31	23.50	99.35	57.39	42.11	114.93	13.84	1.20	0.48	18.97	85.39	NM	NM	NM	2762.84	NM	0.60
16-18	25	7.71	4.66	1.80	1.84	628.98	528.97	0.18	3.65	2.07	3.32	6.87	0.37	22.58	110.53	53.72	39.56	108.43	15.71	1.20	0.48	19.00	78.26	NM	NM	NM	2810.84	NM	0.62
18-20	23	7.56	4.72	1.81	1.85	635.15	538.51	0.17	4.91	1.94	3.04	2.95	0.32	22.44	81.64	55.27	40.12	109.97	16.69	1.20	0.48	19.00	89.12	NM	NM	NM	2853.63	NM	0.63
20-25	25	7.72	4.72	1.81	1.86	640.21	542.78	0.18	4.92	2.13	3.25	7.53	0.32	23.02	108.58	56.17	41.12	116.26	16.07	1.20	0.48	18.90	81.74	NM	NM	NM	2645.49	NM	0.63
25-30	22	7.86	4.84	1.85	1.90	658.38	557.70	0.16	4.02	1.84	2.52	8.76	0.29	23.55	93.07	56.30	41.51	114.61	15.94	1.20	0.48	19.01	83.42	NM	NM	NM	2659.41	NM	0.62
30-35	26	7.59	4.68	1.77	1.86	636.88	545.09	0.17	3.33	1.82	2.59	9.56	0.33	22.88	95.70	54.58	40.39	109.45	15.20	1.20	0.48	18.86	80.84	NM	NM	NM	2469.30	NM	0.60

Table 4: Continued.

Sample Depth (cm)	AVS (µmol/g p.s.)	Al (%)	Fe (%)	Mg (%)	Ca (%)	Ba (µg/g)	Mn (µg/g)	Cd (µg/g)	Mo (µg/g)	U (µg/g)	Re (ng/g)	As (µg/g)	Ag (µg/g)	Co (µg/g)	Cr (µg/g)	Ni (µg/g)	Cu (µg/g)	Zn (µg/g)	Pb (µg/g)	Pb 206/207	Pb 206/208	Pb 206/204	Hg (ng/g)	K (%)	Na (%)	Ti (µg/g)	S (µg/g)	P (µg/g)	Porosity
35-40	20	7.51	4.63	1.76	1.88	617.36	535.40	0.19	3.24	1.95	2.91	10.28	0.28	23.66	104.49	55.34	39.15	109.42	14.36	1.19	0.48	18.96	97.94	NM	NM	NM	2785.27	NM	0.60
40-45	19	7.69	4.72	1.79	1.92	644.36	551.25	0.03	3.69	2.08	3.00	5.68	0.11	23.56	99.07	56.91	39.17	109.14	15.47	1.20	0.48	18.88	97.15	NM	NM	NM	2519.52	NM	0.60
Core 4																													
0-1	0.05	7.18	4.36	1.73	2.27	612.11	589.01	0.10	3.68	1.21	1.76	10.15	0.18	21.04	71.95	49.29	31.34	103.44	10.30	1.23	0.49	19.27	49.10	NM	NM	NM	1331.84		0.65
1-2	0.12	6.81	4.08	1.62	1.98	578.57	517.26	0.37	6.65	1.22	2.17	10.05	1.00	20.09	74.91	52.15	33.24	334.50	10.79	1.21	0.48	19.19	53.43	NM	NM	NM	1595.51		0.65
2-3	0.66	9.04	4.65	1.83	1.58	1035.51	322.22	0.30	6.68	2.74	4.02	18.69	0.36	19.58	119.72	50.74	31.75	347.44	17.80	1.23	0.48	19.52	57.07	NM	NM	NM	1518.27		0.64
3-4	1.5	7.23	4.37	1.73	1.99	611.99	540.32	0.13	5.29	1.24	1.90	6.72	0.16	21.74	67.81	51.07	33.05	93.27	9.58	1.22	0.48	19.30	61.83	NM	NM	NM	1456.69		0.63
4-5	3.3	7.43	4.52	1.76	2.05	628.57	558.05	0.14	4.33	1.38	2.41	5.91	0.16	23.36	96.61	51.77	33.74	105.84	11.10	1.22	0.48	19.35	60.05	NM	NM	NM	1500.60		0.63
5-6	4.2	6.04	3.72	1.46	1.69	543.85	460.34	0.14	2.82	1.36	2.28	10.14	0.16	19.43	62.52	44.36	28.16	80.13	7.46	1.23	0.49	19.20	61.00	NM	NM	NM	1739.69		0.62
6-7	4.3	7.47	4.55	1.78	2.05	634.22	551.80	0.15	4.80	1.51	2.39	0.87	0.17	21.37	106.41	52.19	34.31	94.63	8.14	1.22	0.48	19.33	75.32	NM	NM	NM	1705.79		0.61
7-8	4.3	7.39	4.49	1.76	2.09	617.43	552.05	0.13	3.86	1.32	2.20	6.87	0.16	21.89	113.30	52.50	34.33	96.13	12.45	1.22	0.49	19.20	62.46	NM	NM	NM	1758.78		0.60
8-9	6.2	7.08	4.30	1.69	2.02	595.47	532.63	0.16	4.56	1.44	2.48	4.56	0.16	21.37	106.44	49.44	32.20	90.77	9.69	1.22	0.49	19.20	62.52	NM	NM	NM	1743.45		0.59
9-10	4.3	7.45	4.49	1.76	2.10	621.72	554.97	0.12	4.79	1.35	2.36	1.55	0.15	22.67	106.18	52.39	32.39	110.68	10.56	1.22	0.49	19.29	69.05	NM	NM	NM	1777.53		0.54
10-12	6.5	7.09	4.29	1.69	2.02	589.95	536.51	0.16	5.09	1.55	2.61	7.92	0.18	20.50	105.18	50.33	31.53	89.63	8.77	1.22	0.49	19.16	62.51	NM	NM	NM	1789.10		0.58
12-14	7.2	7.26	4.42	1.74	2.11	603.19	554.30	0.13	3.32	1.41	2.38	3.17	0.17	21.05	104.40	51.48	32.88	102.09	10.82	1.22	0.49	19.14	68.64	NM	NM	NM	1846.86		0.58
14-16	8.6	7.53	4.58	1.81	2.26	628.24	569.53	0.13	3.85	1.40	2.11	4.99	0.16	22.94	100.88	53.86	34.63	97.89	10.26	1.22	0.49	19.00	69.41	NM	NM	NM	1959.78		0.58
16-18	7.8	7.29	4.49	1.76	2.09	609.72	550.87	0.17	4.56	1.62	2.80	6.13	0.19	22.37	111.28	52.44	34.91	93.76	8.41	1.22	0.48	19.26	65.92	NM	NM	NM	1877.55		0.57
18-20	10	7.18	4.45	1.72	2.07	600.36	543.02	0.15	4.83	1.52	2.32	5.25	0.18	22.14	106.30	52.09	33.64	92.11	9.37	1.22	0.48	19.36	67.66	NM	NM	NM	1959.82		0.57
20-25	7.0	7.55	4.61	1.78	2.14	622.19	565.74	0.15	4.45	1.53	2.41	2.87	0.18	23.27	90.05	53.14	35.76	97.67	10.34	1.22	0.49	19.17	78.32	NM	NM	NM	2022.58		0.55
25-30	11	7.36	4.44	1.76	2.09	614.41	545.43	0.16	4.40	1.52	2.50	8.23	0.18	23.28	103.47	53.93	36.05	94.24	10.36	1.22	0.49	19.12	70.48	NM	NM	NM	2086.92		0.57
30-35	16	7.28	4.40	1.75	2.10	595.46	546.78	0.15	3.93	1.47	2.38	6.03	0.19	21.04	93.00	51.90	33.81	92.44	9.96	1.21	0.48	19.28	64.14	NM	NM	NM	–		0.57
Core 5																													
0-1	0.0	7.36	4.73	1.84	1.61	518.92	1558.29	0.10	5.42	1.24	3.85	12.89	0.15	21.24	89.24	45.73	31.79	116.07	8.62	1.21	0.48	18.99	28.92	NM	NM	NM	3233.34		0.86
1-2	0.0	7.97	5.09	1.95	1.73	563.48	784.10	0.12	5.03	1.27	3.16	11.17	0.15	24.23	93.68	48.49	36.48	122.88	14.44	1.20	0.48	18.98	32.42	NM	NM	NM	2986.98		0.84
2-3	0.4	7.34	4.68	1.77	1.60	517.46	671.20	0.11	3.93	1.19	2.82	11.08	0.11	21.04	87.67	45.87	32.96	113.48	12.20	1.20	0.48	18.93	38.61	NM	NM	NM	2810.54		0.83
3-4	0.4	7.80	5.07	1.89	1.69	545.15	707.09	0.13	4.68	1.30	3.09	10.22	0.12	22.85	96.51	48.11	36.62	121.21	13.48	1.21	0.48	19.03	39.26	NM	NM	NM	2836.00		0.82
4-5	1.4	7.37	4.70	1.75	1.60	521.11	663.56	0.10	5.11	1.08	2.61	8.74	0.11	21.93	93.35	45.74	33.90	113.80	13.59	1.21	0.48	18.94	36.53	NM	NM	NM	2705.31		0.81
5-6	2.8	7.14	4.54	1.70	1.57	515.00	655.68	0.10	3.25	1.08	2.51	8.13	0.11	20.74	81.32	44.32	33.34	112.08	11.52	1.20	0.48	18.91	41.69	NM	NM	NM	2600.31		0.81
6-7	5.6	7.66	4.92	1.81	1.68	550.57	712.41	0.11	3.84	1.22	2.56	8.59	0.12	23.47	77.78	47.25	36.05	119.66	12.27	1.20	0.48	18.95	41.91	NM	NM	NM	2479.30		0.80
7-8	12.8	8.09	5.15	1.90	1.77	575.03	765.00	0.12	4.41	1.20	2.56	6.62	0.12	23.25	96.38	50.32	37.23	124.48	13.39	1.20	0.48	19.02	45.08	NM	NM	NM	2623.88		0.79
8-9	15.7	7.79	4.97	1.83	1.72	560.66	719.98	0.11	4.65	1.22	2.61	8.72	0.13	22.24	99.14	47.68	36.34	119.49	16.28	1.21	0.49	18.71	43.39	NM	NM	NM	2583.07		0.79
9-10	11.0	7.80	4.92	1.81	1.74	543.93	714.09	0.12	4.56	1.24	2.52	9.12	0.12	21.96	79.01	48.20	37.02	119.48	13.26	1.20	0.48	18.99	46.32	NM	NM	NM	2613.03		0.78
10-12	29.1	9.54	4.30	1.50	4.27	1021.46	862.08	58.62	5.96	2.82	4.83	132.28	4.97	18.73	75.51	28.53	158.11	498.17	1609.05	1.12	0.44	16.54	49.06	NM	NM	NM	569.81		0.77
12-14	21.3	7.59	4.84	1.73	1.61	541.03	667.28	0.19	24.51	1.56	2.93	37.76	0.15	25.36	97.32	49.16	37.47	122.97	17.95	1.20	0.48	18.70	48.32	NM	NM	NM	2994.68		0.78
14-16	27.6	7.59	4.88	1.77	1.61	539.03	645.75	0.14	8.01	1.43	2.65	12.73	0.14	23.18	78.68	47.21	36.05	119.59	16.02	1.20	0.48	18.87	49.56	NM	NM	NM	3188.68		0.78
16-18	39.8	7.67	4.87	1.77	1.61	542.21	635.03	0.13	6.71	1.40	2.62	12.41	0.14	21.60	65.24	48.16	36.78	121.72	14.45	1.20	0.48	18.91	52.42	NM	NM	NM	3284.98		0.78
18-20	32.7	7.65	4.86	1.77	1.58	546.12	635.55	0.14	5.06	1.47	2.82	5.83	0.15	21.63	67.04	48.17	36.82	126.56	15.19	1.21	0.48	18.67	52.39	NM	NM	NM	3016.62		0.78
20-25	37.7	7.59	4.79	1.76	1.61	547.45	595.89	0.17	5.13	1.68	2.80	9.26	0.23	22.23	93.62	47.16	36.76	123.54	14.82	1.20	0.48	18.71	52.01	NM	NM	NM	3537.66		0.77
25-30	31.8	7.56	4.71	1.73	1.60	544.82	584.94	0.13	4.65	1.32	2.02	7.70	0.16	22.53	59.02	46.37	36.78	135.91	17.59	1.20	0.48	18.86	54.70	NM	NM	NM	3633.50		0.77
30-35	33.3	7.49	4.87	1.81	1.66	557.43	620.15	0.14	6.55	1.63	2.88	7.90	0.13	22.05	80.44	49.75	38.28	132.13	18.77	1.19	0.47	18.99	56.04	NM	NM	NM	3344.29		0.78
35-40	21.0	7.28	4.78	1.78	1.57	552.29	591.08	0.17	5.34	1.68	2.96	4.04	0.13	23.36	80.03	48.45	37.64	170.01	17.45	1.20	0.48	18.75	63.61	NM	NM	NM	3636.05		0.78
40-45	39.6	7.78	5.03	1.85	1.68	570.31	607.08	0.16	5.19	1.63	2.84	7.07	0.17	24.80	63.45	51.48	40.52	151.99	18.31	1.19	0.48	18.73	69.12	NM	NM	NM	3696.59		0.77
45-50	28.8	7.74	4.94	1.83	1.69	568.12	590.63	0.14	5.15	1.62	2.89	10.15	0.16	22.07	55.33	51.21	39.43	134.49	16.04	1.19	0.48	18.83	81.82	NM	NM	NM	3402.88		0.76
Core 6																													
0-1	0.08	6.84	3.86	1.46	1.88	425.59	483.80	0.22	0.75	1.56	2.20	7.46	0.11	11.51	57.70	31.19	12.63	85.65	12.15	1.20	0.48	18.68	55.33	1.36	3.91	3950.57	2802.66	794.22	0.84
1-2	0.23	7.06	4.00	1.44	1.87	439.81	468.92	0.22	0.76	1.46	2.47	7.30	0.10	11.62	49.88	31.90	13.08	88.35	12.43	1.19	0.48	18.68	75.28	1.41	3.43	3959.92	2473.06	794.55	0.80
2-3	0.11	7.17	4.05	1.43	1.85	444.53	443.56	0.23	0.72	1.48	2.80	7.55	0.10	11.50	40.24	31.56	12.53	88.52	12.31	1.20	0.48	18.64	56.23	1.41	3.33	4123.23	2334.25	781.33	0.78
3-4	0.10	7.40	4.14	1.44	1.90	463.88	439.60	0.24	0.92	1.53	2.57	7.39	0.10	11.92	54.59	32.74	13.20	90.70	12.74	1.19	0.48	18.73	65.86	1.44	3.22	4251.91	2261.94	804.53	0.77
4-5	0.59	7.36	4.11	1.42	1.90	460.00	430.82	0.24	0.75	1.50	2.81	6.72	0.10	11.85	55.62	32.45	13.27	91.47	12.75	1.20	0.48	18.72	66.34	1.45	3.02	4189.89	2178.38	764.31	0.74
5-6	0.54	7.39	4.13	1.40	1.89	465.29	425.30	0.24	0.74	1.69	2.71	6.78	0.11	11.84	57.45	32.36	13.79	91.56	12.75	1.19	0.48	18.67	67.18	1.44	2.98	4275.89	2187.84	727.85	0.71
6-7	2.72	7.23	4.06	1.37	1.85	452.76	416.09	0.23	0.73	1.51	2.84	6.42	0.13	11.51	55.87	31.67	13.72	88.94	12.73	1.19	0.48	18.64	68.10	1.41	2.91	4153.35	2114.00	706.17	0.72
7-8	1.70	7.38	4.14	1.41	1.90	460.44	432.28	0.24	0.78	1.48	2.60	7.06	0.11	11.91	58.44	32.45	13.72	91.89	12.90	1.20	0.48	18.78	83.99	1.45	2.96	4161.00	2164.96	735.94	0.70
8-9	2.71	7.38	4.21	1.42	1.85	459.18	430.40	0.25	0.79	1.63	2.72	7.16	0.11	12.25	61.06	33.27	13.76	93.69	13.14	1.20	0.49	18.73	75.10	1.43	2.93	4234.48	2214.34	705.75	0.70
9-10	0.56	7.36	4.20	1.41	1.87	459.43	430.78	0.25	0.78	1.55	2.82	6.92	0.11	12.08	56.50	33.38	13.93	91.33	13.22	1.20	0.48	18.57	91.08	1.44	2.90	4257.37	2212.06	716.93	0.69
10-12	4.42	7.44	4.20	1.42	1.90	463.85	434.11	0.25	0.84	1.61	3.08	7.15	0.11	12.01	57.89	33.50	13.95	94.55	12.98	1.20	0.48	18.68	80.57	1.46	2.87	4292.57	2240.27	716.04	0.69
12-14	8.60	7.25	4.09	1.38	1.88	450.80	418.26	0.26	0.85	1.62	3.07	7.04	0.11	12.23	56.31	33.61	13.24	90.78	13.35	1.19	0.49	18.74	69.81	1.43	2.74	4156.53	2268.00	665.95	0.68
14-16	0.17	7.35	4.11	1.39	1.91	463.78	416.54	0.26	0.88	1.56	3.16	6.93	0.13	12.07	60.60	32.58	13.67	90.67	12.83	1.20	0.49	18.79	84.03	1.43	2.77	4217.78	2274.30	681.08	0.67
16-18	7.26	7.31	4.11	1.40	1.88	459.01	415.03	0.24	0.86	1.63	2.72	6.67	0.11	12.05	56.25	32.57	13.75	91.25	12.81	1.20	0.48	18.80	64.54	1.44	2.77	4161.26	2323.09	667.67	0.66
18-20	4.32	7.29	4.13	1.40	1.86	459.94	418.63	0.23	0.98	1.56	2.75	6.85	0.11	12.17	65.92	33.42	13.70	91.59	13.10	1.20	0.49	18.85	70.37	1.44	2.79	4129.80	2533.27	659.82	0.68
20-25	16.72	7.25	4.10	1.40	1.87	457.36	419.79	0.25	0.90	1.59	2.86	6.88	0.12	12.18	61.75	33.30	14.11	92.28	13.29	1.20	0.49	18.66	71.15	1.45	2.71	4119.39	2540.28	671.75	0.67

Table 4: Continued.

Sample Depth (cm)	AVS (µmol/g p.s.)	Al (%)	Fe (%)	Mg (%)	Ca (%)	Ba (µg/g)	Mn (µg/g)	Cd (µg/g)	Mo (µg/g)	U (µg/g)	Re (ng/g)	As (µg/g)	Ag (µg/g)	Co (µg/g)	Cr (µg/g)	Ni (µg/g)	Cu (µg/g)	Zn (µg/g)	Pb (µg/g)	Pb 206/207	Pb 206/208	Pb 206/204	Hg (ng/g)	K (%)	Na (%)	Ti (µg/g)	S (µg/g)	P (µg/g)	Porosity
25-30	9.72	7.23	4.03	1.36	1.90	453.59	413.65	0.24	0.96	1.62	2.91	6.54	0.12	11.93	60.32	32.45	13.30	90.44	13.27	1.20	0.49	18.66	72.27	1.41	2.71	4174.14	2610.24	670.44	0.65
30-35	29.40	7.50	4.21	1.44	1.93	467.43	428.12	0.23	0.85	1.44	2.58	6.84	0.12	11.84	61.34	32.88	14.58	94.85	13.40	1.19	0.48	18.66	74.70	1.48	2.87	4155.78	2914.86	671.30	0.68
40-45	20.20	7.33	4.04	1.37	1.95	457.61	412.40	0.25	0.77	1.55	2.74	6.50	0.11	11.57	57.39	30.71	11.90	89.63	13.51	1.20	0.48	18.67	61.53	1.44	2.83	4163.28	2749.22	633.51	0.65
Core 7																													
0-1		4.68	2.83	1.06	1.27	369.83	438.89	0.13	0.93	0.99	2.43	5.92	0.10	10.09	68.05	35.50	9.52	60.52	8.12	1.20	0.48	18.84	62.09	0.96	1.95	2743.23	1441.58	548.19	0.73
1-2		5.26	3.20	1.17	1.45	407.26	471.59	0.13	1.73	1.21	3.26	6.24	0.09	11.05	63.62	40.05	11.57	69.00	8.92	1.20	0.48	18.78	95.62	1.07	2.18	3166.65	1637.49	618.43	0.69
2-3		5.46	3.25	1.20	1.50	424.50	426.35	0.18	0.82	1.25	2.63	5.71	0.11	11.65	57.23	38.60	10.94	72.35	9.13	1.20	0.49	18.87	59.90	1.11	2.17	3187.79	1641.68	584.51	0.61
3-4		5.99	3.48	1.31	1.59	468.84	450.42	0.20	1.22	1.69	3.12	6.90	0.10	13.05	70.53	44.96	13.39	78.14	10.32	1.21	0.49	18.89	42.21	1.24	2.27	3527.34	2080.27	568.09	0.59
4-5		4.90	3.14	1.04	1.30	384.05	361.48	0.16	1.17	1.33	2.92	6.75	0.09	10.16	57.29	34.10	12.57	64.08	8.44	1.20	0.48	18.84	63.96	1.00	1.84	2773.18	1850.64	502.76	0.62
5-6		5.08	2.93	1.12	1.32	402.10	357.33	0.15	1.75	1.45	3.13	6.24	0.08	10.93	62.30	41.18	11.89	65.19	8.63	1.21	0.49	18.89	66.51	1.06	1.88	2925.84	1984.68	511.85	0.62
6-7		4.85	2.82	1.05	1.24	381.99	362.91	0.10	2.69	1.26	2.86	6.17	0.08	10.77	72.78	44.32	11.32	62.07	7.89	1.21	0.49	18.95	70.12	1.01	1.79	2679.21	1926.60	440.42	0.61
7-8		4.52	2.66	0.98	1.22	355.43	336.62	0.13	1.28	1.20	2.44	5.40	0.08	9.86	59.72	35.09	10.95	57.86	7.46	1.21	0.49	18.90	240.64	0.94	1.62	2556.07	1832.79	451.27	0.59
8-9		3.80	2.22	0.84	1.00	317.51	278.75	0.11	1.14	1.11	2.24	4.37	0.06	7.84	50.00	28.83	7.75	46.48	5.74	1.22	0.49	18.97	60.91	0.78	1.34	2200.96	1957.01	350.36	0.55
9-10		4.00	2.35	0.87	1.05	332.57	289.23	0.11	1.76	1.23	2.61	5.04	0.07	8.39	49.38	31.10	8.43	49.24	6.02	1.21	0.49	18.89	62.60	0.83	1.38	2342.86	2433.94	352.93	0.53
10-12		6.00	3.49	1.28	1.49	472.17	425.44	0.14	3.60	2.03	5.34	7.42	0.08	12.62	69.76	49.25	13.29	75.96	9.57	1.21	0.49	18.89	70.67	1.25	2.03	3445.63	4292.91	503.95	0.57
12-14		4.19	2.54	0.92	1.04	333.13	303.18	0.13	2.60	1.75	4.97	6.19	0.07	8.70	40.57	30.07	11.25	54.44	6.86	1.21	0.49	19.00	67.05	0.88	1.44	2451.29	4243.21	355.90	0.59
14-16		4.80	2.97	1.07	1.15	355.29	337.63	0.14	4.84	2.04	7.22	8.40	0.10	10.57	37.86	42.33	11.99	66.84	8.27	1.21	0.49	18.92	89.45	1.00	1.67	2848.47	5330.99	436.94	0.60
16-18		5.43	3.28	1.14	1.31	406.56	389.59	0.13	5.65	2.28	6.47	8.90	0.09	11.31	59.30	37.79	13.11	72.56	9.23	1.21	0.49	18.90	64.21	1.13	1.89	3152.11	5789.05	474.79	0.61
18-20		6.09	3.68	1.36	1.50	460.35	490.27	0.11	5.71	2.02	5.60	8.94	0.09	13.75	71.43	49.11	15.25	80.53	10.32	1.21	0.49	19.00	84.15	1.26	2.12	3467.03	6741.36	518.58	0.62
20-25		5.02	3.14	1.24	1.36	363.41	394.70	0.14	3.32	1.48	3.34	6.34	0.08	11.60	64.73	47.06	12.62	68.35	8.06	1.22	0.49	18.99	53.61	1.06	1.78	3009.81	5519.65	459.09	0.61
25-30		5.03	3.16	1.27	1.50	365.37	375.33	0.16	2.38	1.51	2.83	5.98	0.08	11.35	50.42	42.01	14.63	69.89	8.07	1.22	0.49	19.05	59.44	1.08	1.72	3013.49	6207.03	464.40	0.67
30-35		5.87	3.65	1.42	1.61	415.18	414.86	0.18	2.79	1.57	3.65	7.21	0.11	12.67	66.10	44.93	16.18	78.69	9.30	1.23	0.49	19.20	44.46	1.29	2.01	3478.12	7445.56	517.90	0.66
35-40		3.35	2.13	0.83	1.08	239.21	233.81	0.12	1.39	1.00	2.08	4.45	0.21	6.98	36.36	23.59	8.39	45.54	5.11	1.22	0.49	19.17	47.74	0.73	1.18	2082.04	4347.25	307.18	0.68
40-44		6.33	3.95	1.59	2.16	452.81	441.60	0.24	2.51	2.00	3.82	7.95	0.12	14.20	66.01	48.89	17.57	86.67	10.26	1.22	0.49	19.21	43.38	1.37	2.17	3761.93	8538.33	578.85	0.68

*core GVRD-7 samples were pre-dried prior to metals analysis, so porosity was determined using ^{210}Pb analysis.

Table 5: Results of the carbon, nitrogen and $\delta^{13}C$ and $\delta^{15}N$ analysis on the sediment core samples.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	$\delta^{15}N$ vs air	$\delta^{13}Corg$ vs PDB
Core 1							
0-1	0.515	4.113	0.029	4.084	7.925	6.393	-21.091
1-2	0.502	4.099	0.039	4.060	8.090	6.775	-21.390
2-3	0.494	4.045	0.041	4.005	8.114	6.369	-21.327
3-4	0.494	4.013	0.032	3.981	8.054	6.565	-21.211
4-5	0.478	3.953	0.040	3.913	8.193	6.165	-21.463
5-6	0.477	3.959	0.026	3.933	8.251	6.355	-21.206
6-7	0.472	3.949	0.043	3.905	8.271	6.465	-21.526
7-8	0.463	3.879	0.034	3.845	8.299	6.109	-21.389
8-9	0.457	3.848	0.036	3.811	8.348	6.220	-21.335
9-10	0.457	3.898	0.032	3.867	8.460	6.359	-21.423
10-12	0.445	3.827	0.037	3.790	8.521	6.373	-21.336
12-14	0.436	3.736	0.031	3.704	8.505	6.411	-21.160
14-16	0.438	3.710	0.041	3.669	8.375	6.059	-21.144
16-18	0.442	3.694	0.041	3.653	8.273	6.568	-20.883
18-20	0.449	3.626	0.035	3.591	8.002	6.242	-20.709
20-25	0.443	3.539	0.034	3.504	7.918	6.382	-20.466
25-30	0.442	3.425	0.029	3.396	7.676	6.617	-20.467
30-35	0.421	3.291	0.018	3.273	7.778	6.798	-20.471
35-40	0.425	3.246	0.034	3.212	7.560	6.660	-20.330
40-45	0.430	3.345	0.025	3.320	7.715	6.772	-20.361
45-50	0.429	3.353	0.039	3.313	7.731	6.769	-20.225
50-55	0.432	3.318	0.035	3.283	7.606	6.770	-20.006
Core 2							
0-1	0.158	1.677	0.090	1.587	10.023	4.680	-23.667
1-2	0.138	1.604	0.110	1.494	10.806	4.693	-24.035
2-3	0.140	1.555	0.092	1.463	10.431	4.337	-24.079
3-4	0.135	1.560	0.107	1.453	10.743	4.661	-23.877
4-5	0.133	1.556	0.115	1.441	10.861	4.690	-24.222
5-6	0.138	1.639	0.114	1.525	11.020	4.442	-24.119
6-7	0.137	1.587	0.094	1.492	10.859	4.839	-23.940
7-8	0.134	1.596	0.110	1.487	11.104	4.532	-23.961
8-9	0.138	1.560	0.091	1.469	10.672	4.345	-23.932
9-10	0.136	1.570	0.109	1.461	10.770	4.448	-24.078
10-12	0.130	1.558	0.085	1.473	11.339	4.480	-24.200
12-14	0.125	1.533	0.117	1.416	11.323	4.385	-24.076
14-16	0.111	1.434	0.085	1.350	12.103	4.247	-24.173
16-18	0.108	1.389	0.115	1.275	11.820	4.279	-24.209
18-20	0.115	1.484	0.095	1.389	12.107	4.400	-24.110
20-25	0.111	1.394	0.115	1.280	11.560	4.274	-24.167
25-30	0.106	1.216	0.081	1.135	10.723	4.377	-23.648
30-35	0.099	1.112	0.094	1.018	10.322	4.738	-23.782

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
35-40	0.094	0.978	0.096	0.882	9.396	4.227	-23.551
40-45	0.085	0.861	0.095	0.766	9.004	4.552	-23.379
Core 3							
0-1	0.119	1.258	0.177	1.081	9.111	2.104	-24.438
1-2	0.122	1.330	0.115	1.215	9.954	2.450	-24.429
2-3	0.123	1.352	0.208	1.144	9.297	2.817	-24.191
3-4	0.118	1.284	0.145	1.139	9.691	2.630	-24.379
4-5	0.115	1.220	0.180	1.039	9.056	2.008	-24.317
5-6	0.111	1.330	0.210	1.120	10.122	2.672	-24.332
6-7	0.111	1.146	0.143	1.002	9.043	2.810	-24.649
7-8	0.098	1.286	0.145	1.140	11.630	2.608	-24.571
8-9	0.090	0.926	0.122	0.804	8.984	2.761	-24.508
9-10	0.080	0.948	0.127	0.821	10.229	2.738	-24.496
10-12	0.091	1.098	0.140	0.958	10.557	3.044	-24.522
12-14	0.086	0.983	0.134	0.849	9.888	3.364	-24.612
14-16	0.098	1.070	0.162	0.908	9.255	3.838	-24.560
16-18	0.101	1.111	0.134	0.977	9.639	3.907	-24.429
18-20	0.099	1.084	0.116	0.968	9.786	3.955	-24.365
20-25	0.093	1.060	0.128	0.931	10.021	3.978	-24.618
25-30	0.090	1.003	0.127	0.876	9.691	3.855	-24.432
30-35	0.088	0.978	0.133	0.846	9.613	3.580	-24.573
35-40	0.085	0.988	0.147	0.841	9.876	3.559	-24.553
40-45	0.079	0.959	0.136	0.822	10.393	3.691	-24.543
Core 4							
0-1	0.085	1.071	0.182	0.889	10.504	3.724	-24.934
1-2	0.092	1.133	0.201	0.932	10.108	3.420	-24.725
2-3	0.091	1.190	0.159	1.031	11.281	3.568	-24.527
3-4	0.094	1.178	0.179	0.999	10.672	3.574	-24.726
4-5	0.085	1.135	0.162	0.973	11.505	3.340	-24.596
5-6	0.093	1.159	0.167	0.992	10.681	3.467	-24.684
6-7	0.087	1.152	0.154	0.998	11.529	3.666	-24.466
7-8	0.085	1.121	0.172	0.950	11.228	3.375	-24.756
8-9	0.086	1.154	0.151	1.002	11.667	3.665	-24.595
9-10	0.085	1.125	0.192	0.933	11.011	3.448	-24.630
10-12	0.087	1.114	0.162	0.952	10.898	3.367	-24.756
12-14	0.084	1.069	0.181	0.888	10.588	3.307	-24.655
14-16	0.084	1.078	0.165	0.914	10.816	3.365	-24.649
16-18	0.081	1.107	0.144	0.963	11.841	3.342	-24.588
18-20	0.081	1.079	0.152	0.927	11.473	3.343	-24.699
20-25	0.081	1.112	0.185	0.928	11.385	3.434	-24.682
25-30	0.081	1.110	0.171	0.939	11.636	3.174	-24.931
30-35	0.083	1.089	0.176	0.913	11.008	3.371	-24.774

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 5							
0-1	0.195	1.737	0.083	1.654	8.492	5.993	-22.505
1-2	0.190	1.720	0.082	1.638	8.609	5.911	-22.573
2-3	0.196	2.004	0.078	1.926	9.837	5.656	-23.107
3-4	0.196	1.756	0.087	1.669	8.523	5.815	-22.534
4-5	0.194	1.759	0.094	1.665	8.596	5.635	-22.618
5-6	0.192	1.804	0.111	1.694	8.800	5.641	-22.499
6-7	0.189	1.748	0.082	1.667	8.836	5.699	-22.698
7-8	0.192	1.748	0.091	1.657	8.630	5.743	-22.640
8-9	0.192	1.733	0.082	1.651	8.589	5.644	-22.681
9-10	0.185	1.722	0.096	1.626	8.807	5.753	-22.743
10-12	0.182	1.694	0.078	1.616	8.873	5.597	-22.788
12-14	0.184	1.711	0.084	1.627	8.828	5.576	-22.675
14-16	0.191	1.756	0.098	1.658	8.699	5.669	-22.737
16-18	0.190	1.736	0.086	1.650	8.685	5.957	-22.754
18-20	0.183	1.718	0.083	1.635	8.956	5.510	-22.766
20-25	0.180	1.714	0.101	1.613	8.967	5.537	-22.949
25-30	0.175	1.687	0.085	1.601	9.129	5.576	-22.841
30-35	0.173	1.647	0.103	1.544	8.928	5.337	-22.846
35-40	0.169	1.606	0.089	1.517	8.953	5.428	-22.976
40-45	0.160	1.844	0.102	1.741	10.862	5.159	-25.387
45-50	0.156	1.776	0.091	1.685	10.826	4.988	-23.584
Core 6							
0-1	0.161	1.434	0.100	1.333	8.288	5.735	-21.497
1-2	0.158	1.383	0.082	1.301	8.240	5.776	-21.739
2-3	0.157	1.420	0.090	1.330	8.447	5.749	-21.944
3-4	0.175	1.458	0.089	1.370	7.823	6.002	-21.906
4-5	0.146	1.311	0.092	1.219	8.361	5.636	-22.182
5-6	0.149	1.327	0.090	1.237	8.296	5.638	-22.337
6-7	0.153	1.375	0.098	1.277	8.323	5.897	-22.049
7-8	0.152	1.361	0.090	1.271	8.381	5.424	-22.188
8-9	0.152	1.385	0.099	1.286	8.445	5.462	-22.155
9-10	0.156	1.381	0.096	1.285	8.248	5.518	-22.221
10-12	0.154	1.347	0.097	1.249	8.133	5.511	-22.117
12-14	0.149	1.333	0.092	1.241	8.321	5.691	-22.166
14-16	0.145	1.286	0.099	1.187	8.159	5.751	-22.381
16-18	0.142	1.274	0.088	1.186	8.354	5.660	-22.228
18-20	0.145	1.323	0.104	1.219	8.398	5.516	-22.283
20-25	0.143	1.307	0.100	1.207	8.442	5.541	-22.416
25-30	0.144	1.264	0.107	1.157	8.043	5.620	-22.440
30-35	0.146	1.361	0.097	1.265	8.656	5.633	-22.420
35-40	0.143	1.350	0.115	1.235	8.664	5.627	-22.522
40-45	0.126	1.185	0.101	1.084	8.603	5.538	-22.498

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 7							
0-1	0.131	1.149	0.109	1.040	7.967	5.577	-22.715
1-2	0.120	1.062	0.075	0.987	8.199	5.555	-22.696
2-3	0.115	1.086	0.052	1.034	8.989	5.702	-22.811
3-4	0.097	0.977	0.064	0.913	9.457	5.040	-23.336
4-5	0.089	1.017	0.055	0.962	10.817	5.374	-23.149
5-6	0.086	0.848	0.056	0.792	9.200	5.269	-23.383
6-7	0.103	1.051	0.061	0.990	9.650	5.209	-23.011
7-8	0.086	0.762	0.063	0.699	8.098	5.409	-22.861
8-9	0.079	0.825	0.050	0.774	9.860	4.811	-22.898
9-10	0.078	0.857	0.059	0.798	10.261	4.957	-23.176
10-12	0.081	0.805	0.048	0.757	9.347	5.255	-22.974
12-14	0.095	0.960	0.064	0.896	9.457	5.063	-22.689
14-16	0.101	1.104	0.048	1.055	10.401	5.181	-23.087
16-18	0.106	1.099	0.058	1.041	9.785	5.344	-23.393
18-20	0.109	1.424	0.060	1.364	12.535	5.063	-23.224
20-25	0.111	1.274	0.150	1.124	10.095	5.039	-23.207
25-30	0.113	1.390	0.232	1.158	10.263	5.060	-23.575
30-35	0.114	1.185	0.196	0.989	8.690	5.253	-23.502
35-40	0.113	1.284	0.276	1.008	8.946	5.271	-23.101
40-44	0.111	1.400	0.338	1.061	9.544	5.067	-23.252
Core 8							
1-2	0.262	2.232	0.071	2.161	8.245	6.23	-22.22
2-3	0.249	2.129	0.060	2.068	8.290	6.25	-22.27
3-4	0.242	2.110	0.055	2.055	8.484	6.07	-22.44
4-5	0.243	2.334	0.054	2.280	9.399	6.20	-22.30
5-6	0.237	2.111	0.055	2.056	8.673	6.21	-22.47
6-7	0.234	2.087	0.059	2.028	8.682	6.39	-22.25
7-8	0.231	2.049	0.057	1.992	8.643	6.34	-22.29
8-9	0.227	2.138	0.055	2.083	9.179	6.30	-22.24
9-10	0.223	2.016	0.058	1.958	8.763	6.36	-22.36
10-12	0.214	1.939	0.052	1.887	8.837	6.31	-22.20
12-14	0.207	1.955	0.057	1.898	9.193	6.09	-22.31
14-16	0.197	1.804	0.047	1.757	8.915	6.31	-22.47
16-18	0.194	1.739	0.054	1.686	8.696	6.36	-22.39
18-20	0.186	1.649	0.047	1.602	8.599	6.27	-22.15
20-25	0.181	1.572	0.071	1.501	8.289	6.35	-22.06
25-30	0.180	1.484	0.049	1.435	7.967	6.47	-21.78
30-35	0.174	1.423	0.054	1.370	7.886	6.56	-21.76
35-40	0.172	1.383	0.048	1.335	7.756	6.48	-21.64
40-45	0.165	1.364	0.061	1.303	7.907	6.53	-21.53
45-50	0.164	1.339	0.052	1.287	7.828	6.65	-21.34

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 9							
0-1	0.270	2.239	0.052	2.187	8.103	7.03	-21.34
1-2	0.268	2.207	0.057	2.150	8.023	6.66	-21.52
2-3	0.261	2.177	0.057	2.120	8.119	6.82	-21.77
3-4	0.253	2.152	0.061	2.091	8.267	6.85	-21.70
4-5	0.253	2.130	0.063	2.066	8.164	6.67	-21.82
5-6	0.237	2.092	0.063	2.030	8.546	6.64	-21.74
6-7	0.247	2.162	0.068	2.094	8.465	6.60	-22.09
7-8	0.237	2.089	0.072	2.017	8.516	6.48	-21.90
8-9	0.227	2.032	0.057	1.976	8.686	6.50	-22.19
9-10	0.232	2.083	0.062	2.022	8.704	6.54	-22.15
10-12	0.221	1.974	0.060	1.914	8.673	6.37	-22.11
12-14	0.215	1.943	0.067	1.876	8.720	6.66	-21.92
14-16	0.213	1.924	0.062	1.863	8.749	6.57	-22.11
16-18	0.214	1.945	0.072	1.873	8.768	6.58	-21.97
18-20	0.209	1.915	0.065	1.850	8.845	6.45	-21.94
20-25	0.201	1.852	0.069	1.784	8.862	6.68	-22.09
25-30	0.201	1.754	0.066	1.688	8.398	6.62	-21.73
30-35	0.200	1.668	0.062	1.606	8.016	6.80	-20.71
35-40	0.194	1.588	0.067	1.521	7.846	6.81	-20.62
40-45	0.187	1.554	0.072	1.483	7.917	6.96	-21.05
45-50	0.188	1.511	0.074	1.437	7.648	7.01	-20.55
Core 10							
0-1	0.431	3.636	0.067	3.569	8.287	7.13	-19.96
1-2	0.432	3.679	0.048	3.631	8.408	7.08	-20.46
2-3	0.435	3.693	0.058	3.635	8.366	7.19	-20.04
3-4	0.422	3.606	0.051	3.556	8.426	7.15	-20.21
4-5	0.440	3.701	0.061	3.640	8.282	6.87	-19.69
5-6	0.423	3.674	0.054	3.620	8.551	7.02	-19.92
6-7	0.401	3.918	0.054	3.864	9.634	7.00	-20.07
7-8	0.405	3.560	0.053	3.507	8.660	6.87	-20.72
8-9	0.392	3.491	0.065	3.426	8.732	6.86	-19.96
9-10	0.387	3.448	0.048	3.401	8.792	6.90	-19.62
10-12	0.390	3.417	0.045	3.372	8.645	6.96	-19.50
12-14	0.381	3.216	0.035	3.180	8.346	7.09	-19.79
14-16	0.380	3.134	0.032	3.101	8.159	7.31	-19.44
16-18	0.382	3.090	0.036	3.054	8.004	7.23	-19.48
18-20	0.374	2.945	0.034	2.911	7.793	7.13	-19.09
20-25	0.369	2.949	0.041	2.908	7.874	7.32	-20.37
25-30	0.359	2.843	0.033	2.810	7.826	7.40	-20.48
30-35	0.366	2.875	0.042	2.833	7.740	7.36	-20.35
35-40	0.342	2.726	0.037	2.689	7.856	7.15	-20.34
40-45	0.342	2.726	0.037	2.689	7.856	7.15	-20.34

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 11							
0-1	0.409	3.330	0.076	3.254	7.960	7.10	-21.07
1-2	0.411	3.349	0.061	3.288	8.009	7.49	-21.06
2-3	0.417	3.398	0.080	3.319	7.967	7.07	-20.91
3-4	0.415	3.402	0.057	3.345	8.068	6.84	-21.05
4-5	0.413	3.412	0.076	3.337	8.073	7.08	-21.30
5-6	0.406	3.359	0.062	3.297	8.127	7.19	-21.41
6-7	0.398	3.322	0.095	3.227	8.115	6.91	-21.15
7-8	0.398	3.337	0.061	3.276	8.227	6.97	-21.22
8-9	0.395	3.309	0.076	3.233	8.187	7.12	-21.24
9-10	0.394	3.337	0.074	3.263	8.286	6.96	-20.89
10-12	0.375	3.231	0.074	3.157	8.410	6.96	-21.52
12-14	0.364	3.135	0.066	3.069	8.434	7.08	-21.06
14-16	0.357	3.112	0.084	3.028	8.487	6.60	-21.41
16-18	0.360	3.122	0.079	3.043	8.447	6.81	-21.52
18-20	0.352	3.113	0.105	3.008	8.550	6.96	-21.30
20-25	0.352	3.081	0.072	3.009	8.557	7.06	-21.34
25-30	0.359	3.026	0.047	2.979	8.306	6.94	-21.27
30-35	0.356	2.940	0.034	2.905	8.159	6.97	-20.97
35-40	0.346	2.819	0.039	2.780	8.032	7.13	-20.58
40-45	0.335	2.771	0.029	2.741	8.181	7.31	-20.39
45-50	0.343	2.703	0.052	2.651	7.723	7.13	-20.38
Core 12							
0-1	0.340	2.738	0.062	2.676	7.876	7.18	-21.26
1-2	0.326	2.783	0.070	2.714	8.322	7.31	-21.26
2-3	0.336	2.776	0.068	2.707	8.056	7.31	-21.31
3-4	0.327	2.817	0.075	2.742	8.381	7.37	-21.24
4-5	0.341	2.784	0.071	2.712	7.943	7.21	-21.03
5-6	0.315	2.718	0.072	2.646	8.390	7.25	-21.41
6-7	0.316	2.667	0.064	2.603	8.238	7.09	-21.44
7-8	0.313	2.682	0.058	2.623	8.381	7.12	-21.49
8-9	0.304	2.612	0.059	2.553	8.392	7.35	-21.49
9-10	0.298	2.636	0.075	2.561	8.606	7.11	-21.56
10-12	0.310	2.662	0.066	2.596	8.385	7.19	-21.59
12-14	0.287	2.593	0.065	2.528	8.808	7.10	-21.39
14-16	0.297	2.615	0.053	2.562	8.628	7.15	-21.23
16-18	0.284	2.553	0.063	2.491	8.768	7.29	-21.20
18-20	0.296	2.542	0.053	2.489	8.412	7.11	-21.21
20-25	0.312	2.590	0.070	2.520	8.088	7.42	-21.45
25-30	0.279	2.356	0.061	2.295	8.213	7.46	-21.07
30-35	0.284	2.301	0.073	2.228	7.857	7.51	-20.67
35-40	0.282	2.275	0.051	2.224	7.880	7.53	-20.58
40-45	0.278	2.232	0.078	2.154	7.736	7.44	-21.09
45-50	0.293	2.358	0.071	2.287	7.800	7.81	-20.67

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 13							
1-2	0.312	2.560	0.061	2.499	8.020	7.01	-21.38
2-3	0.309	2.577	0.048	2.529	8.173	7.26	-21.58
3-4	0.310	2.574	0.054	2.520	8.130	7.19	-21.13
4-5	0.308	2.587	0.054	2.533	8.216	7.37	-21.38
5-6	0.303	2.609	0.057	2.553	8.421	7.29	-21.49
6-7	0.296	2.510	0.048	2.463	8.322	7.19	-21.66
7-8	0.274	2.383	0.050	2.333	8.510	7.17	-21.58
8-9	0.281	2.415	0.050	2.365	8.428	7.27	-21.93
9-10	0.270	2.332	0.046	2.285	8.453	7.15	-22.04
10-12	0.264	2.307	0.054	2.253	8.525	7.32	-21.88
12-14	0.257	2.271	0.049	2.222	8.644	7.35	-21.99
14-16	0.257	2.305	0.056	2.249	8.733	7.34	-21.88
16-18	0.257	2.243	0.056	2.187	8.521	7.23	-21.84
18-20	0.258	2.218	0.074	2.144	8.317	7.42	-21.69
20-25	0.262	2.200	0.071	2.130	8.142	7.44	-21.16
25-30	0.255	2.181	0.096	2.085	8.164	7.55	-21.15
30-35	0.291	2.527	0.114	2.414	8.280	7.37	-21.53
Core 14							
0-1	0.208	1.837	0.063	1.773	8.529	6.48	-22.57
1-2	0.208	1.867	0.075	1.792	8.623	6.47	-22.40
2-3	0.203	1.840	0.074	1.766	8.712	6.37	-22.62
3-4	0.221	1.924	0.061	1.863	8.422	7.19	-22.02
4-5	0.203	1.862	0.070	1.792	8.830	6.30	-22.56
5-6	0.198	1.813	0.069	1.745	8.817	6.33	-22.96
6-7	0.195	1.790	0.080	1.710	8.768	6.24	-22.78
7-8	0.185	1.771	0.064	1.707	9.204	6.25	-22.88
8-9	0.182	1.708	0.067	1.640	9.018	6.30	-22.76
9-10	0.181	1.747	0.064	1.684	9.307	6.21	-22.53
10-12	0.176	1.674	0.070	1.605	9.119	6.23	-22.80
12-14	0.170	1.647	0.063	1.584	9.300	5.95	-22.82
14-16	0.166	1.614	0.071	1.543	9.307	5.97	-23.12
16-18	0.156	1.506	0.073	1.433	9.167	5.94	-22.95
18-20	0.158	1.515	0.075	1.439	9.115	5.99	-23.05
20-25	0.151	1.441	0.065	1.376	9.139	6.14	-22.65
25-30	0.149	1.442	0.072	1.371	9.197	6.07	-22.77
30-35	0.137	1.256	0.068	1.188	8.648	6.12	-22.76
35-40	0.154	1.489	0.066	1.423	9.241	6.04	-22.99

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 15							
0-1	0.166	1.546	0.076	1.470	8.879	5.85	-23.19
1-2	0.194	1.742	0.091	1.651	8.512	6.19	-22.60
2-3	0.185	1.682	0.081	1.601	8.641	5.94	-22.93
3-4	0.180	1.685	0.085	1.600	8.900	5.76	-22.88
4-5	0.181	1.687	0.075	1.612	8.884	5.99	-22.57
5-6	0.180	1.708	0.092	1.617	8.969	6.01	-22.88
6-7	0.175	1.653	0.146	1.507	8.632	5.98	-22.56
7-8	0.174	1.623	0.108	1.515	8.698	5.95	-22.42
8-9	0.170	1.607	0.082	1.525	8.958	5.98	-22.47
9-10	0.163	1.583	0.100	1.484	9.087	6.03	-22.59
10-12	0.168	1.581	0.089	1.492	8.899	5.85	-22.56
12-14	0.183	1.665	0.095	1.570	8.562	5.91	-22.52
14-16	0.175	1.657	0.080	1.577	8.990	5.92	-22.50
16-18	0.173	1.618	0.095	1.523	8.788	5.81	-22.82
18-20	0.165	1.577	0.130	1.446	8.764	5.95	-22.68
20-25	0.163	1.539	0.101	1.438	8.800	5.83	-22.54
25-30	0.150	1.462	0.105	1.357	9.023	5.77	-22.78
Core 16							
0-1	0.170	1.526	0.088	1.438	8.462	5.72	-22.24
1-2	0.166	1.513	0.091	1.422	8.583	5.51	-22.36
2-3	0.163	1.477	0.098	1.380	8.474	5.53	-22.48
3-4	0.165	1.569	0.116	1.453	8.830	5.40	-22.34
4-5	0.173	1.583	0.112	1.471	8.504	5.50	-22.31
5-6	0.173	1.520	0.081	1.439	8.306	5.54	-22.20
6-7	0.181	1.673	0.092	1.581	8.727	5.44	-22.11
7-8	0.177	1.620	0.097	1.523	8.599	5.59	-22.14
8-9	0.164	1.533	0.101	1.432	8.713	5.53	-22.34
9-10	0.161	1.500	0.102	1.398	8.702	5.39	-22.17
10-12	0.156	1.440	0.102	1.338	8.591	5.44	-22.36
12-14	0.160	1.499	0.106	1.392	8.704	5.35	-22.40
14-16	0.150	1.398	0.088	1.310	8.758	5.45	-22.32
16-18	0.157	1.486	0.098	1.388	8.862	5.59	-22.21
18-20	0.153	1.458	0.112	1.346	8.815	5.45	-22.41
20-25	0.148	1.405	0.088	1.317	8.872	5.74	-22.38
Core 17							
0-1	0.267	2.184	0.121	2.063	7.741	6.926	-20.67
1-2	0.268	2.224	0.097	2.127	7.926	6.754	-20.87
2-3	0.281	2.408	0.165	2.243	7.993	6.422	-21.02
3-4	0.273	2.294	0.089	2.205	8.067	6.226	-21.08
4-5	0.270	2.284	0.116	2.168	8.039	6.352	-21.00
5-6	0.266	2.280	0.126	2.153	8.087	6.079	-20.94

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 17 Continued							
6-7	0.261	2.223	0.108	2.115	8.092	6.299	-21.18
7-8	0.257	2.232	0.146	2.086	8.121	6.276	-21.22
8-9	0.249	2.218	0.160	2.058	8.277	6.121	-21.43
9-10	0.249	2.210	0.181	2.029	8.151	6.211	-21.65
10-12	0.248	2.213	0.137	2.076	8.385	5.875	-21.76
12-14	0.245	2.153	0.130	2.023	8.249	5.964	-21.65
14-16	0.229	2.025	0.122	1.903	8.308	6.312	-21.62
16-18	0.233	2.086	0.150	1.935	8.307	5.894	-21.78
18-20	0.232	2.124	0.180	1.944	8.366	6.161	-21.91
20-25	0.227	2.043	0.144	1.899	8.371	6.186	-21.81
25-30	0.219	2.052	0.164	1.888	8.627	6.092	-21.81
30-35	0.225	2.052	0.168	1.884	8.374	6.227	-21.94
35-40	0.210	1.903	0.129	1.774	8.439	6.054	-21.78
40-45	0.206	1.808	0.132	1.676	8.138	6.26	-21.60
45-50	0.200	1.712	0.111	1.601	7.993	6.605	-21.27
Core 18							
0-1	0.081	1.318	0.635	0.682	8.478	6.454	-22.21
1-2	0.090	1.379	0.512	0.867	9.591	6.2	-22.70
2-3	0.073	1.127	0.565	0.562	7.654	6.224	-22.19
3-4	0.076	1.299	0.693	0.606	8.013	6.489	-22.44
4-5	0.073	0.929	0.366	0.563	7.732	6.152	-22.21
5-6	0.072	0.999	0.448	0.551	7.654	5.959	-22.34
6-7	0.072	1.747	1.176	0.571	7.904	6.324	-22.03
7-8	0.076	1.299	0.648	0.652	8.597	5.856	-22.44
8-9	0.071	0.919	0.313	0.606	8.477	5.92	-22.60
9-10	0.067	0.948	0.379	0.568	8.427	6.055	-22.58
10-11	0.065	0.836	0.270	0.566	8.673	5.869	-22.69
11-12	0.068	0.896	0.298	0.598	8.833	5.832	-22.84
12-13	0.066	0.789	0.216	0.573	8.629	5.701	-23.00
13-14	0.068	0.875	0.265	0.610	8.968	5.697	-22.81
14-15	0.068	0.869	0.260	0.609	9.001	5.696	-22.75
15-16	0.072	0.939	0.297	0.642	8.933	5.721	-23.01
16-17	0.071	0.935	0.304	0.631	8.864	5.654	-23.05
17-18	0.081	1.027	0.332	0.695	8.625	5.537	-22.51
18-19	0.088	0.976	0.268	0.708	8.044	5.778	-22.25
Core 19							
0-1	0.5	0.166	1.599	0.083	1.516	9.142	-22.85
1-2	1.5	0.172	1.606	0.096	1.511	8.806	-22.75
2-3	2.5	0.170	1.638	0.093	1.545	9.102	-21.84
3-4	3.5	0.175	1.672	0.106	1.566	8.970	-22.23
4-5	4.5	0.175	1.661	0.094	1.567	8.942	-22.55

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 19 Continued							
5-6	5.5	0.171	1.669	0.122	1.547	9.045	-22.39
6-7	6.5	0.170	1.605	0.097	1.508	8.869	-22.60
7-8	7.5	0.172	1.660	0.102	1.558	9.047	-22.50
8-9	8.5	0.179	1.682	0.086	1.597	8.944	-22.24
9-10	9.5	0.181	1.713	0.109	1.604	8.864	-22.11
10-12	11.5	0.173	1.628	0.108	1.520	8.777	-22.14
12-14	13	0.178	1.671	0.101	1.570	8.815	-22.17
14-16	15	0.177	1.686	0.104	1.582	8.924	-22.03
16-18	17	0.177	1.690	0.100	1.590	8.984	-22.61
18-20	19	0.177	1.672	0.114	1.558	8.818	-22.49
Core 20							
0-1	0.219	1.891	0.064	1.827	8.342	6.14	-21.59
1-2	0.219	1.916	0.069	1.847	8.437	6.01	-21.90
2-3	0.219	1.911	0.068	1.843	8.423	6.22	-21.65
3-4	0.218	1.905	0.053	1.852	8.498	6.19	-21.88
4-5	0.216	1.957	0.069	1.887	8.725	6.02	-22.43
5-6	0.215	1.884	0.058	1.826	8.480	5.78	-21.97
6-7	0.210	1.856	0.071	1.785	8.515	5.79	-22.02
7-8	0.204	1.813	0.073	1.740	8.538	5.93	-21.94
8-9	0.195	1.780	0.071	1.709	8.756	6.04	-22.23
9-10	0.191	1.946	0.059	1.887	9.875	5.83	-22.42
10-12	0.188	1.741	0.086	1.655	8.818	6.15	-22.40
12-14	0.183	1.705	0.061	1.645	8.978	5.92	-22.34
14-16	0.181	1.666	0.075	1.591	8.807	5.74	-22.09
16-18	0.180	1.600	0.068	1.531	8.522	6.14	-22.06
18-20	0.173	1.556	0.081	1.475	8.521	6.26	-22.20
20-25	0.173	1.498	0.063	1.434	8.310	6.36	-21.64
25-30	0.167	1.443	0.072	1.371	8.201	6.29	-21.64
30-35	0.163	1.374	0.062	1.312	8.036	6.44	-21.48
35-40	0.165	1.352	0.067	1.285	7.796	6.48	-21.45
40-45	0.163	1.380	0.066	1.314	8.083	6.58	-21.55
50-55	0.185	1.687	0.072	1.616	8.720	6.06	-22.18
Core 21							
0-1	0.461	4.480	0.070	4.410	9.566	7.00	-20.88
1-2	0.482	4.596	0.069	4.527	9.387	6.90	-21.53
2-3	0.480	5.175	0.072	5.103	10.636	7.04	-21.30
3-4	0.467	4.767	0.081	4.686	10.027	6.97	-21.11
4-5	0.444	4.574	0.127	4.447	10.015	6.90	-21.80
5-6	0.408	4.057	0.086	3.971	9.725	6.67	-21.24
6-7	0.325	3.127	0.065	3.061	9.413	6.89	-21.10
7-8	0.383	3.748	0.071	3.676	9.590	6.84	-21.79

Table 5: Continued.

Sample Depth (cm)	Total N (%)	Total C (%)	Total Carb C (%)	Total Org C (%)	Org C/N	δ^{15}N vs air	δ^{13}Corg vs PDB
Core 21 Continued							
8-9	0.361	3.848	0.085	3.763	10.424	6.94	-21.87
9-10	0.359	3.733	0.078	3.656	10.178	6.93	-21.73
10-12	0.334	3.475	0.091	3.385	10.118	6.83	-22.06
12-14	0.325	3.446	0.126	3.320	10.227	6.97	-21.72
14-16	0.345	3.590	0.091	3.499	10.147	6.61	-21.35
16-18	0.318	3.204	0.085	3.119	9.819	6.86	-21.48
18-20	0.353	3.322	0.066	3.257	9.239	7.09	-21.07
20-25	0.332	3.160	0.105	3.055	9.192	7.16	-21.38
25-30	0.325	2.907	0.051	2.856	8.787	7.05	-20.93
30-35	0.265	2.334	0.063	2.271	8.556	7.31	-21.14
35-40	0.293	2.633	0.111	2.522	8.593	7.43	-20.86
Core 22							
0-1	0.337	2.801	0.105	2.695	8.009	6.67	-20.93
1-2	0.356	2.976	0.084	2.892	8.117	6.64	-20.68
2-3	0.359	2.997	0.134	2.863	7.982	6.68	-20.65
3-4	0.354	2.993	0.078	2.915	8.242	6.68	-20.85
4-5	0.346	2.933	0.159	2.775	8.030	6.78	-20.49
5-6	0.342	2.943	0.122	2.821	8.256	6.64	-20.30
6-7	0.340	2.943	0.178	2.765	8.143	6.62	-20.92
7-8	0.332	2.906	0.109	2.797	8.426	6.57	-21.22
8-9	0.324	2.849	0.142	2.707	8.354	6.59	-21.04
9-10	0.314	2.817	0.077	2.739	8.726	6.51	-21.11
10-12	0.310	2.785	0.242	2.542	8.191	6.22	-21.70
12-14	0.314	2.839	0.091	2.748	8.748	5.71	-21.52
14-16	0.298	2.777	0.157	2.619	8.801	5.56	-21.91
16-18	0.310	2.786	0.091	2.696	8.692	5.97	-21.51
18-23	0.286	2.662	0.103	2.559	8.949	6.13	-22.05
23-28	0.279	2.623	0.093	2.530	9.075	6.01	-21.94
28-33	0.274	2.626	0.103	2.523	9.210	6.14	-21.85
33-38	0.278	2.540	0.098	2.441	8.779	6.01	-21.85
38-43	0.274	2.424	0.108	2.316	8.441	6.09	-21.16
43-48	0.265	2.316	0.126	2.190	8.254	6.49	-21.37
48-53	0.271	2.310	0.102	2.208	8.159	6.62	-21.24

Table 6: Results of the metals, nitrogen, carbon, opal and flux measurements from the two GVRD sediment traps. Deployment 1 only. Asterisk indicates value is an average of two measurements.

Station	Baker Trap Serial No.	Cup #	Water depth (m)	Distance off bottom (m)	Depth from surface (m)	Time zone	Start date yyyy/mm/dd hh:mm (UTC)	End date yyyy/mm/dd hh:mm (UTC)	Mid-date yyyy/mm/dd hh:mm (UTC)	Julian start (UTC)	Julian end (UTC)	Interval (days)	Height in tube (cm)	Trap Cup #	Combined sample wt (all tubes and cups) (grams)
GVRD A1-TOP Trap	31533	1	99	50	49	UTC	2003/10/13 00:00	2003/11/03 00:00	2003/10/23 12:00	286.00	307.00	21.00	5.5	1	6.8526
GVRD A1-TOP	31533	2	99	50	49	UTC	2003/11/03 00:00	2003/11/24 00:00	2003/11/13 12:00	307.00	328.00	21.00	3.0	2	3.6810
GVRD A1-TOP	31533	3	99	50	49	UTC	2003/11/24 00:00	2003/12/15 00:00	2003/12/04 12:00	328.00	349.00	21.00	6.5	3	9.7148
GVRD A1-TOP	31533	4	99	50	49	UTC	2003/12/15 00:00	2004/01/05 00:00	2003/12/25 12:00	349.00	370.00	21.00	4.5	4	6.8962
GVRD A1-TOP	31533	5	99	50	49	UTC	2004/01/05 00:00	2004/01/26 00:00	2004/01/15 12:00	370.00	391.00	21.00	4.5	5	6.4711
GVRD A1-TOP	31533	6	99	50	49	UTC	2004/01/26 00:00	2004/02/16 00:00	2004/02/05 12:00	391.00	412.00	21.00	4.0	6	4.9222
GVRD A1-TOP	31533	7	99	50	49	UTC	2004/02/16 00:00	2004/03/08 00:00	2004/02/26 12:00	412.00	433.00	21.00	12.0	7	16.3374
GVRD A1-TOP	31533	8	99	50	49	UTC	2004/03/08 00:00	2004/03/29 00:00	2004/03/18 12:00	433.00	454.00	21.00	6.0	8	6.3599
GVRD A1-TOP	31533	9	99	50	49	UTC	2004/03/29 00:00	2004/04/19 00:00	2004/04/08 12:00	454.00	475.00	21.00	11.0	9	11.0074
GVRD A1-TOP	31533	10	99	50	49	UTC	2004/04/19 00:00	2004/04/28 14:53	2004/04/23 19:26	475.00	484.62	9.62	5.0	10	3.4967
GVRD A1-BOT	87302A	1	99	20	79	UTC	2003/10/13 00:00	2003/11/03 00:00	2003/10/23 12:00	286.00	307.00	21.00	13.0	1	16.6260
GVRD A1-BOT	87302A	2	99	20	79	UTC	2003/11/03 00:00	2003/11/24 00:00	2003/11/13 12:00	307.00	328.00	21.00	12.5	2	18.0748
GVRD A1-BOT	87302A	3	99	20	79	UTC	2003/11/24 00:00	2003/12/15 00:00	2003/12/04 12:00	328.00	349.00	21.00	19.5	3	29.6836
GVRD A1-BOT	87302A	4	99	20	79	UTC	2003/12/15 00:00	2004/01/05 00:00	2003/12/25 12:00	349.00	370.00	21.00	15.0	4	26.6590
GVRD A1-BOT	87302A	5	99	20	79	UTC	2004/01/05 00:00	2004/01/26 00:00	2004/01/15 12:00	370.00	391.00	21.00	13.0	5	19.3953
GVRD A1-BOT	87302A	6	99	20	79	UTC	2004/01/26 00:00	2004/02/16 00:00	2004/02/05 12:00	391.00	412.00	21.00	10.5	6	14.4196
GVRD A1-BOT	87302A	7	99	20	79	UTC	2004/02/16 00:00	2004/03/08 00:00	2004/02/26 12:00	412.00	433.00	21.00	11.0	7	16.1178
GVRD A1-BOT	87302A	8	99	20	79	UTC	2004/03/08 00:00	2004/03/29 00:00	2004/03/18 12:00	433.00	454.00	21.00	12.5	8	15.6790
GVRD A1-BOT	87302A	9	99	20	79	UTC	2004/03/29 00:00	2004/04/19 00:00	2004/04/08 12:00	454.00	475.00	21.00	17.0	9	18.2221
GVRD A1-BOT	87302A	10	99	20	79	UTC	2004/04/19 00:00	2004/04/28 14:53	2004/04/23 19:26	475.00	484.62	9.62		10	
GVRD B1-TOP	718105	1	240	50	190	UTC	2003/10/13 00:00	2003/11/03 00:00	2003/10/23 12:00	286.00	307.00	21.00	13.5	1	25.4672
GVRD B1-TOP	718105	2	240	50	190	UTC	2003/11/03 00:00	2003/11/24 00:00	2003/11/13 12:00	307.00	328.00	21.00	5.7	2	6.0079
GVRD B1-TOP	718105	3	240	50	190	UTC	2003/11/24 00:00	2003/12/15 00:00	2003/12/04 12:00	328.00	349.00	21.00	9.3	3	11.1950
GVRD B1-TOP	718105	4	240	50	190	UTC	2003/12/15 00:00	2004/01/05 00:00	2003/12/25 12:00	349.00	370.00	21.00	7.2	4	9.1525
GVRD B1-TOP	718105	5	240	50	190	UTC	2004/01/05 00:00	2004/01/26 00:00	2004/01/15 12:00	370.00	391.00	21.00	15.2	5	23.1237
GVRD B1-TOP	718105	6	240	50	190	UTC	2004/01/26 00:00	2004/02/16 00:00	2004/02/05 12:00	391.00	412.00	21.00	7.6	6	2.9936
GVRD B1-TOP	718105	7	240	50	190	UTC	2004/02/16 00:00	2004/03/08 00:00	2004/02/26 12:00	412.00	433.00	21.00	8.7	7	9.9790
GVRD B1-TOP	718105	8	240	50	190	UTC	2004/03/08 00:00	2004/03/29 00:00	2004/03/18 12:00	433.00	454.00	21.00	4.0	8	3.0772
GVRD B1-TOP	718105	9	240	50	190	UTC	2004/03/29 00:00	2004/04/19 00:00	2004/04/08 12:00	454.00	475.00	21.00	6.0	9	4.3676
GVRD B1-TOP	718105	10	240	50	190	UTC	2004/04/19 00:00	2004/04/28 16:40	2004/04/23 20:20	475.00	484.69	9.69	4.8	10	3.2033
GVRD B1-BOT	718106	1	239.8	20	220	UTC	2003/10/13 00:00	2003/11/03 00:00	2003/10/23 12:00	286.00	307.00	21.00	21.0	1	36.0649
GVRD B1-BOT	718106	2	239.8	20	220	UTC	2003/11/03 00:00	2003/11/24 00:00	2003/11/13 12:00	307.00	328.00	21.00	13.5	2	5.8098
GVRD B1-BOT	718106	3	239.8	20	220	UTC	2003/11/24 00:00	2003/12/15 00:00	2003/12/04 12:00	328.00	349.00	21.00	20.5	3	27.3159
GVRD B1-BOT	718106	4	239.8	20	220	UTC	2003/12/15 00:00	2004/01/05 00:00	2003/12/25 12:00	349.00	370.00	21.00	18.0	4	24.7866
GVRD B1-BOT	718106	5	239.8	20	220	UTC	2004/01/05 00:00	2004/01/26 00:00	2004/01/15 12:00	370.00	391.00	21.00	21.0	5	28.5045
GVRD B1-BOT	718106	6	239.8	20	220	UTC	2004/01/26 00:00	2004/02/16 00:00	2004/02/05 12:00	391.00	412.00	21.00	5.0	6	5.6603
GVRD B1-BOT	718106	7	239.8	20	220	UTC	2004/02/16 00:00	2004/03/08 00:00	2004/02/26 12:00	412.00	433.00	21.00	0.5	7	0.9797
GVRD B1-BOT	718106	8	239.8	20	220	UTC	2004/03/08 00:00	2004/03/29 00:00	2004/03/18 12:00	433.00	454.00	21.00	1.0	8	1.7654
GVRD B1-BOT	718106	9	239.8	20	220	UTC	2004/03/29 00:00	2004/04/19 00:00	2004/04/08 12:00	454.00	475.00	21.00	0.2	9	0.3012
GVRD B1-BOT	718106	10	239.8	20	220	UTC	2004/04/19 00:00	2004/04/28 16:40	2004/04/23 20:20	475.00	484.69	9.69	4.8	10	1.0929

Table 6: Continued.

Station	Cup #	Fraction of sample rinsed, dried and weighed	Fraction reserved for contaminant analysis	Fraction archived wet	TDW (grams)	TDW_salt_ corr	Baker trap collection area (m^2)	TDW flux ($g\ m^{-2}\ d^{-1}$)	TDW_flux_ NaCl_corrected	avg %N_total	*	N_total_flux ($mg/m^2/day$)	avg %C_total	*	C_total_flux ($mg/m^2/day$)	avg %C_inorg_ flux	*	C_inorg_flux ($mg/m^2/day$)	%org C
GVRD A1-TOP	1	0.5	0.25	0.25	13.7052	13.6850	0.0320	20.3946	20.3646	0.179		36.6012	1.842		375.701	0.0733		14.949	1.769
GVRD A1-TOP	2	0.5	0.25	0.25	7.3620	7.3532	0.0320	10.9553	10.9422	0.154		16.9111	1.654		181.179	0.0742		8.131	1.580
GVRD A1-TOP	3	0.5	0.25	0.25	19.4296	19.4089	0.0320	28.9130	28.8823	0.146		42.2303	1.621		468.552	0.1098	*	31.748	1.511
GVRD A1-TOP	4	0.5	0.25	0.25	13.7923	13.7755	0.0320	20.5243	20.4992	0.155		31.7898	1.635		335.570	0.1034	*	21.217	1.532
GVRD A1-TOP	5	0.5	0.25	0.25	12.9422	12.9289	0.0320	19.2593	19.2395	0.197		37.9774	1.976		380.559	0.1039	*	20.014	1.872
GVRD A1-TOP	6	0.5	0.25	0.25	9.8444	9.8318	0.0320	14.6494	14.6307	0.153		22.4013	1.755		257.111	0.0872		12.771	1.668
GVRD A1-TOP	7	0.5	0.25	0.25	32.6747	32.6411	0.0320	48.6231	48.5731	0.174	*	84.8267	1.733	*	842.631	0.1140	*	55.424	1.619
GVRD A1-TOP	8	0.5	0.25	0.25	12.7197	12.7033	0.0320	18.9282	18.9037	0.171		32.3900	1.689		319.656	0.0791		14.968	1.610
GVRD A1-TOP	9	0.5	0.25	0.25	22.0148	21.9898	0.0320	32.7601	32.7229	0.198		64.9702	1.817		595.390	0.0948	*	31.046	1.723
GVRD A1-TOP	10	0.5	0.25	0.25	6.9934	6.9818	0.0320	22.7173	22.6796	0.221		50.2277	2.071		470.493	0.0630		14.308	2.008
GVRD A1-BOT	1	0.5	0.25	0.25	33.2519	33.2125	0.0320	49.4821	49.4233	0.190		94.1269	1.792		886.694	0.1151		56.954	1.677
GVRD A1-BOT	2	0.5	0.25	0.25	36.1495	36.1185	0.0320	53.7939	53.7478	0.176		94.8338	1.729		930.358	0.1155	*	62.121	1.614
GVRD A1-BOT	3	0.5	0.25	0.25	59.3672	59.3034	0.0320	88.3440	88.2491	0.171	*	151.1854	1.729	*	1527.667	0.1092		96.472	1.620
GVRD A1-BOT	4	0.5	0.25	0.25	53.3179	53.2698	0.0320	79.3421	79.2706	0.153		121.1193	1.606		1274.393	0.1220		96.797	1.484
GVRD A1-BOT	5	0.5	0.25	0.25	38.7906	38.7600	0.0320	57.7241	57.6786	0.170		98.1632	1.724		994.993	0.1320		76.196	1.592
GVRD A1-BOT	6	0.5	0.25	0.25	28.8392	28.8142	0.0320	42.9155	42.8782	0.171		73.3371	1.745		748.986	0.1156		49.610	1.630
GVRD A1-BOT	7	0.5	0.25	0.25	32.2356	32.1959	0.0320	47.9696	47.9105	0.174		83.5993	1.753		841.120	0.1152		55.261	1.638
GVRD A1-BOT	8	0.5	0.25	0.25	31.3580	31.3160	0.0320	46.6637	46.6011	0.194		90.5558	1.799		839.398	0.1376		64.209	1.661
GVRD A1-BOT	9	0.5	0.25	0.25	36.4442	36.4035	0.0320	54.2324	54.1718	0.220		119.5757	1.912		1036.991	0.1060		57.486	1.806
GVRD A1-BOT	10	0	0.25	0.25			0.0320												
GVRD B1-TOP	1	0.5	0.25	0.25	50.9344	50.8805	0.0320	75.7952	75.7150	0.141		106.7492	1.579		1196.494	0.1229	*	93.152	1.456
GVRD B1-TOP	2	0.5	0.25	0.25	12.0158	12.0013	0.0320	17.8806	17.8591	0.222		39.7751	2.051		366.696	0.0820		14.653	1.969
GVRD B1-TOP	3	0.5	0.25	0.25	22.3900	22.3573	0.0320	33.3184	33.2698	0.233		77.7310	2.096		698.503	0.0885		29.480	2.008
GVRD B1-TOP	4	0.5	0.25	0.25	18.3049	18.2867	0.0320	27.2395	27.2123	0.180		49.0201	1.777		484.140	0.0753		20.514	1.702
GVRD B1-TOP	5	0.5	0.25	0.25	46.2474	46.1895	0.0320	68.8205	68.7344	0.184		126.5932	1.726		1187.624	0.0798		54.931	1.646
GVRD B1-TOP	6	0.5	0.25	0.25	5.9873	5.9783	0.0320	8.9096	8.8963	0.238		21.2340	2.202		196.156	0.0590		5.256	2.143
GVRD B1-TOP	7	0.5	0.25	0.25	19.9580	19.9345	0.0320	29.6994	29.6644	0.222		65.8732	2.033		603.839	0.0482		14.301	1.985
GVRD B1-TOP	8	0.5	0.25	0.25	6.1544	6.1455	0.0320	9.1583	9.1451	0.297		27.2257	2.465		225.763	0.0483		4.425	2.417
GVRD B1-TOP	9	0.5	0.25	0.25	8.7352	8.7261	0.0320	12.9988	12.9853	0.281	*	36.5848	2.247	*	292.075	0.0409	*	5.314	2.206
GVRD B1-TOP	10	0.5	0.25	0.25	6.4066	6.3979	0.0320	20.6516	20.6236	0.240		49.5683	2.107		435.205	0.0555		11.466	2.052
GVRD B1-BOT	1	0.5	0.25	0.25	72.1299	72.0592	0.0320	107.3361	107.2309	0.164	*	175.7821	1.681	*	1804.350	0.1063	*	114.100	1.575
GVRD B1-BOT	2	0.5	0.25	0.25	11.6195	11.6195	0.0320	17.2910	17.2910	0.212		36.7397	2.019		349.170	0.0898		15.534	1.930
GVRD B1-BOT	3	0.5	0.25	0.25	54.6317	54.5849	0.0320	81.2972	81.2275	0.216		175.9462	1.966		1598.380	0.0925		75.200	1.874
GVRD B1-BOT	4	0.5	0.25	0.25	49.5732	49.5305	0.0320	73.7696	73.7061	0.212		156.1741	1.982		1461.945	0.0965		71.188	1.885
GVRD B1-BOT	5	0.5	0.25	0.25	57.0091	56.9621	0.0320	84.8349	84.7650	0.226		191.3064	2.092		1774.496	0.0929		78.815	1.999
GVRD B1-BOT	6	0.5	0.25	0.25	11.3206	11.3091	0.0320	16.8461	16.8290	0.217		36.5003	1.989		335.071	0.0558		9.395	1.933
GVRD B1-BOT	7	1	0	0	0.9797	0.9797	0.0320	1.4579	1.4579	0.247		3.5991	2.251		32.815	0.0497		0.725	2.201
GVRD B1-BOT	8	1	0	0	1.7654	1.7637	0.0320	2.6270	2.6245	0.244		6.3992	2.203		57.872	0.0524	*	1.377	2.151
GVRD B1-BOT	9	1	0	0	0.3012	0.3012	0.0320	0.4482	0.4482	0.253		1.1337	2.331		10.446	0.0435	*	0.195	2.287
GVRD B1-BOT	10	1	0	0	1.0929	1.0915	0.0320	3.5229	3.5185	0.251		8.8419	2.222		78.263	0.0442		1.558	2.177

Table 6: Continued.

Station	Cup #	C_organic flux ($mg/m^2/day$)	org C/N weights	CN_ratio_ atomic	%Si (opal)	*	%Si_biogenic _flux ($mg/m^2/day$)	% Opal	*	Opal_flux ($mg/m^2/day$)	avg $d^{15}N$ vs air (ppt)	*	avg $d^{13}Corg$ v PDB (ppt)	*	avg %Cl	*	%NaCl	Al (%)	Fe (%)	Mg (%)	Ca (%)	Ba (mg/g)	Mn (mg/g)	Cd (mg/g)	Mo (mg/g)
GVRD A1-TOP	1	360.751	9.856	11.494	2.420		493.479	5.807		1184.349	3.17	*	-24.31	*	0.089		0.147	7.92	4.88	1.77	1.69	617	553	0.325	1.50
GVRD A1-TOP	2	173.048	10.233	11.933	2.422		265.374	5.814		636.897	4.52		-24.43		0.073		0.120	7.93	4.88	1.76	1.62	616	606	0.370	1.36
GVRD A1-TOP	3	436.804	10.343	12.062	2.394		692.212	5.746		1661.308	3.88		-24.39		0.064		0.106	7.63	4.68	1.69	1.71	594	535	0.290	1.19
GVRD A1-TOP	4	314.353	9.888	11.532	2.372		486.932	5.694		1168.636	4.15		-24.18		0.074		0.122	7.51	4.57	1.71	1.79	578	509	0.344	0.98
GVRD A1-TOP	5	360.545	9.494	11.071	2.804		540.041	6.730		1296.097	4.74		-23.22		0.062		0.103	7.36	4.61	1.66	1.69	555	544	0.268	1.27
GVRD A1-TOP	6	244.340	10.907	12.720	2.918		427.532	7.004		1026.077	3.65		-23.71		0.078		0.128	7.76	4.80	1.73	1.75	597	607	0.218	1.17
GVRD A1-TOP	7	787.206	9.280	10.822	2.712	*	1318.801	6.510	*	3165.122	3.49		-23.83		0.062	*	0.103	7.64	4.75	1.70	1.77	588	569	0.212	1.08
GVRD A1-TOP	8	304.688	9.407	10.970	4.234		801.343	10.161		1923.223	3.86		-23.08		0.078		0.129	7.18	4.41	1.65	1.68	562	500	0.251	1.01
GVRD A1-TOP	9	564.344	8.686	10.130	3.893		1275.390	9.343		3060.936	4.41	*	-22.76	*	0.069		0.114	7.30	4.57	1.67	1.65	578	550	0.248	1.19
GVRD A1-TOP	10	456.185	9.082	10.592	4.130		938.179	9.912		2251.630	4.41		-22.65		0.100		0.166	7.33	4.67	1.67	1.50	590	609	0.209	1.25
GVRD A1-BOT	1	829.740	8.815	10.280	2.373		1174.012	5.694		2817.630	3.77	*	-23.87	*	0.072		0.119	7.30	4.50	1.57	1.62	610	595	0.392	1.27
GVRD A1-BOT	2	868.238	9.155	10.677	5.345		2875.434	12.829		6901.042	3.41		-23.83		0.052		0.086	7.15	4.41	1.57	1.64	593	543	0.330	1.42
GVRD A1-BOT	3	1431.195	9.466	11.040	2.866	*	2531.755	6.878	*	6076.211	3.32		-23.69		0.065	*	0.107	7.00	4.24	1.44	1.66	566	517	0.326	1.12
GVRD A1-BOT	4	1177.595	9.723	11.338	2.731		2167.216	6.556		5201.318	3.57		-23.71		0.055		0.090	7.40	4.67	1.55	1.51	567	521	0.293	1.09
GVRD A1-BOT	5	918.797	9.360	10.915	2.395		1382.610	5.748		3318.264	4.13		-23.51		0.048		0.079	7.59	4.67	1.55	1.55	558	519	0.279	1.21
GVRD A1-BOT	6	699.376	9.536	11.121	3.118		1338.131	7.483		3211.514	4.00		-23.57		0.053		0.087	6.95	4.47	1.53	1.40	567	528	0.249	1.08
GVRD A1-BOT	7	785.859	9.400	10.962	2.434		1167.457	5.841		2801.897	3.66		-23.46		0.075		0.123	7.00	4.36	1.49	1.30	577	535	0.226	1.14
GVRD A1-BOT	8	775.188	8.560	9.983	3.195		1490.954	7.668		3578.289	3.99		-22.93		0.081		0.134	7.19	4.45	1.56	1.42	570	551	0.259	1.02
GVRD A1-BOT	9	979.504	8.191	9.553	4.721		2560.424	11.331		6145.019	4.73	*	-22.33	*	0.068	*	0.112	7.50	4.47	1.64	1.69	554	523	0.256	1.10
GVRD A1-BOT	10										4.14														
GVRD B1-TOP	1	1103.341	10.336	12.053	2.778		2105.726	6.668		5053.743	4.51	*	-24.30	*	0.064	*	0.106	7.38	4.37	1.67	1.63	568	587	0.269	1.12
GVRD B1-TOP	2	352.043	8.851	10.322	4.532		810.374	10.877		1944.898	6.22		-22.51		0.073		0.120	7.52	4.61	1.60	1.46	531	901	0.245	1.22
GVRD B1-TOP	3	669.023	8.607	10.037	4.993		1663.588	11.983		3992.611	6.19		-22.58		0.088		0.146	7.30	4.50	1.57	1.62	478	592	0.238	1.07
GVRD B1-TOP	4	463.626	9.458	11.030	4.081		1111.557	9.794		2667.737	5.43		-25.60		0.061		0.100	7.15	4.41	1.57	1.64	497	723	0.245	0.99
GVRD B1-TOP	5	1132.693	8.947	10.434	4.221		2905.220	10.131		6972.527	5.90		-22.59		0.076		0.125	7.00	4.24	1.44	1.66	456	573	0.214	0.84
GVRD B1-TOP	6	190.899	8.990	10.484	4.938		439.943	11.851		1055.864	5.98		-22.46		0.091		0.150	7.40	4.67	1.55	1.51	473	817	0.230	1.12
GVRD B1-TOP	7	589.538	8.950	10.437	4.491		1333.656	10.777		3200.774	5.92		-22.76		0.072		0.118	7.59	4.67	1.55	1.55	470	770	0.220	1.05
GVRD B1-TOP	8	221.337	8.130	9.481	6.707		614.232	16.096		1474.157	6.08		-22.19		0.087		0.144	6.95	4.47	1.53	1.40	461	971	0.228	1.04
GVRD B1-TOP	9	286.761	7.838	9.141	6.631	*	862.014	15.916	*	2068.834	6.10	*	-22.16	*	0.063	*	0.104	7.00	4.36	1.49	1.30	471	583	0.259	1.11
GVRD B1-TOP	10	423.739	8.549	9.969	5.133		1060.124	12.320		2544.297	5.75		-22.02		0.082		0.136	7.19	4.45	1.56	1.42	503	676	0.233	1.00
GVRD B1-BOT	1	1690.250	9.616	11.214	3.607	*	3871.650	8.657	*	9291.960	4.92	*	-23.57	*	0.059	*	0.098	7.50	4.47	1.64	1.69	546	583	0.270	1.10
GVRD B1-BOT	2	333.636	9.081	10.590	2.586		447.193	6.207		1073.262	5.76		-23.04					7.40	4.53	1.59	1.54	515	590	0.267	1.07
GVRD B1-BOT	3	1523.181	8.657	10.096	2.795		2272.601	6.709		5454.242	6.24		-22.45		0.052		0.086	6.77	4.18	1.41	1.51	430	531	0.238	0.92
GVRD B1-BOT	4	1390.758	8.905	10.385	3.659		2699.576	8.783		6478.981	6.13		-22.56		0.052		0.086	7.25	4.51	1.54	1.64	484	601	0.254	0.94
GVRD B1-BOT	5	1695.681	8.864	10.337	4.780		4055.207	11.472		9732.497	6.22		-22.42		0.050		0.082	7.16	4.46	1.52	1.65	458	575	0.242	0.93
GVRD B1-BOT	6	325.676	8.923	10.405	4.229		712.492	10.151		1709.982	6.10		-22.49	*	0.062	*	0.102	7.32	4.52	1.54	1.62	454	735	0.249	0.93
GVRD B1-BOT	7	32.091	8.916	10.398	4.799		69.963	11.517		167.912	6.00	*	-22.50					7.41	4.66	1.60	1.50	456	915	0.258	1.05
GVRD B1-BOT	8	56.495	8.829	10.296	4.941		129.790	11.857		311.496	6.10		-22.48		0.058		0.095	7.36	4.60	1.56	1.50	455	736	0.234	0.95
GVRD B1-BOT	9	10.251	9.042	10.545	4.626		20.734	11.103		49.762								7.42	4.74	1.57	1.49	473	740	0.358	1.27
GVRD B1-BOT	10	76.705	8.675	10.117	4.315		152.002	10.355		364.804	6.20		-22.34		0.074		0.123	7.39	4.61	1.58	1.51	456	729	0.263	1.05

Table 6: Continued.

Station	U (mg/g)	Cup #	Re (ng/g)	As (mg/g)	Ag (mg/g)	Co (mg/g)	Cr (mg/g)	Ni (mg/g)	Cu (mg/g)	Zn (mg/g)	Pb (mg/g)	K (%)	Na (%)	Ti (mg/g)	S (mg/g)	P (mg/g)	Ratio %OC/%Al	Ratio %OC/%Si(opal)
GVRD A1-TOP	1.87	1	2.57	10.95	0.558	17.8	75.4	53.8	41.5	126.6	16.9	1.77	1.61	4067	5191	1097	0.22	0.73
GVRD A1-TOP	1.87	2	2.54	11.50	0.416	17.5	62.9	54.2	35.1	120.0	16.3	1.78	1.54	4128	1092	1138	0.20	0.65
GVRD A1-TOP	1.79	3	2.90	9.76	0.467	16.7	57.5	52.9	33.5	112.3	14.8	1.66	1.62	4206	2852	963	0.20	0.63
GVRD A1-TOP	1.84	4	2.61	8.24	0.432	15.2	64.6	48.6	30.0	110.8	14.7	1.64	1.59	4294	2875	1028	0.20	0.65
GVRD A1-TOP	1.83	5	3.12	9.03	0.407	15.6	61.5	51.1	34.0	112.9	17.0	1.57	1.64	4121	1802	1080	0.25	0.67
GVRD A1-TOP	1.83	6	2.50	9.63	0.373	15.7	68.8	49.7	32.5	114.9	16.4	1.64	1.58	4392	1186	1082	0.21	0.57
GVRD A1-TOP	1.80	7	2.90	9.64	0.377	16.0	78.4	50.9	31.3	112.4	16.6	1.65	1.66	4381	2803	1057	0.21	0.60
GVRD A1-TOP	1.78	8	2.32	8.48	0.368	15.2	88.3	49.0	29.9	109.7	16.3	1.58	1.40	4142	2252	1015	0.22	0.38
GVRD A1-TOP	1.70	9	2.72	8.40	0.390	15.6	86.7	51.0	30.2	112.4	16.0	1.62	1.50	4095	4748	960	0.24	0.44
GVRD A1-TOP	1.93	10	2.41	10.94	0.453	16.5	69.2	53.7	35.2	118.9	16.5	1.63	1.47	4024	1069	1201	0.27	0.49
GVRD A1-BOT	1.81	1	2.69	10.60	0.559	16.9	67.8	52.4	38.8	118.1	15.9	1.06	1.70	4119	4991	1114	0.23	0.71
GVRD A1-BOT	1.82	2	2.91	9.29	0.608	21.8	76.4	52.3	38.5	113.6	15.6	1.06	1.58	4144	5071	905	0.23	0.30
GVRD A1-BOT	1.72	3	2.85	8.56	0.535	20.9	69.1	49.7	34.8	105.9	14.6	1.08	1.55	4155	3629	902	0.23	0.57
GVRD A1-BOT	1.70	4	3.02	8.83	0.473	20.6	68.3	49.9	31.9	105.8	14.3	1.06	1.66	4193	3183	945	0.20	0.54
GVRD A1-BOT	1.93	5	3.09	8.48	0.457	20.4	76.9	49.5	31.4	103.6	14.7	1.09	1.65	4100	3941	946	0.21	0.66
GVRD A1-BOT	1.62	6	2.86	10.55	0.470	20.9	86.6	51.3	32.7	107.7	15.8	1.08	1.61	4020	3224	1038	0.23	0.52
GVRD A1-BOT	1.67	7	2.68	9.49	0.401	21.1	85.2	51.1	31.1	106.6	15.4	1.10	1.51	4197	3297	1006	0.23	0.67
GVRD A1-BOT	1.63	8	2.81	9.67	0.417	20.8	94.4	49.9	31.3	110.2	16.1	1.08	1.54	4121	3661	1101	0.23	0.52
GVRD A1-BOT	1.66	9	2.78	8.24	0.449	20.7	69.6	51.5	31.0	105.6	15.1	1.11	1.50	3954	4921	883	0.24	0.38
GVRD A1-BOT		10																
GVRD B1-TOP	1.78	1	2.48	10.25	0.269	17.0	63.2	53.8	29.8	99.9	16.9	1.63	1.61	4053	2302	880	0.20	0.52
GVRD B1-TOP	1.74	2	2.77	12.08	0.245	16.1	55.4	54.2	28.9	109.8	16.3	1.60	1.54	4100	1479	1111	0.26	0.43
GVRD B1-TOP	1.71	3	3.44	7.93	0.238	14.3	48.2	52.9	25.2	105.9	14.8	1.49	1.62	4142	5877	842	0.28	0.40
GVRD B1-TOP	1.66	4	2.68	9.10	0.245	14.6	63.1	48.6	21.8	101.0	14.7	1.46	1.59	4174	1545	965	0.24	0.42
GVRD B1-TOP	1.56	5	3.15	8.46	0.214	13.3	54.3	51.1	18.4	94.8	17.0	1.36	1.64	4237	1898	906	0.24	0.39
GVRD B1-TOP	1.63	6	2.88	11.60	0.230	14.3	63.6	49.7	41.2	108.5	16.4	1.44	1.58	4291	1717	1040	0.29	0.43
GVRD B1-TOP	1.64	7	3.34	10.71	0.220	14.1	61.4	50.9	22.7	117.2	16.6	1.44	1.66	4438	1747	994	0.26	0.44
GVRD B1-TOP	1.73	8	2.38	10.92	0.228	14.1	67.4	49.0	24.2	115.0	16.3	1.39	1.40	4005	1564	1126	0.35	0.36
GVRD B1-TOP	1.72	9	2.85	10.93	0.259	14.0	67.4	51.0	22.6	107.4	16.0	1.40	1.50	4113	2095	1093	0.32	0.33
GVRD B1-TOP	1.77	10	2.54	9.46	0.233	14.8	72.1	53.7	23.1	105.6	16.5	1.46	1.47	4066	1526	979	0.29	0.40
GVRD B1-BOT	1.75	1	3.54	10.06	0.270	16.1	76.7	52.4	26.5	102.5	15.9	1.60	1.70	4176	2279	855	0.21	0.44
GVRD B1-BOT	1.73	2	3.37	11.01	0.267	15.5	73.1	52.3	30.4	105.7	15.6	1.57	1.58	4178	2983	946	0.26	0.75
GVRD B1-BOT	1.57	3	3.60	10.01	0.238	13.5	68.7	49.7	21.9	96.8	14.6	1.35	1.55	4022	2735	939	0.28	0.67
GVRD B1-BOT	1.63	4	3.47	10.29	0.254	14.4	69.6	49.9	23.3	102.9	14.3	1.44	1.66	4295	3180	986	0.26	0.52
GVRD B1-BOT	1.58	5	3.71	10.24	0.242	13.9	24.6	49.5	21.5	99.7	14.7	1.42	1.65	4337	2565	965	0.28	0.42
GVRD B1-BOT	1.63	6	2.50	10.74	0.249	13.8	69.9	51.3	24.4	102.5	15.8	1.40	1.61	4380	1814	948	0.26	0.46
GVRD B1-BOT	1.75	7	2.76	12.22	0.258	14.6	74.5	51.1	26.8	114.9	15.4	1.41	1.51	4424	1870	975	0.30	0.46
GVRD B1-BOT	1.59	8	2.90	11.74	0.234	14.1	71.8	49.9	24.1	104.9	16.1	1.39	1.54	4280	1711	984	0.29	0.44
GVRD B1-BOT	1.72	9	3.12	11.65	0.358	14.6	90.5	51.5	25.9	157.2	15.1	1.39	1.50	4443	1796	968	0.31	0.49
GVRD B1-BOT	1.70	10	2.98	10.99	0.263	14.4	69.5	51.4	22.9	114.0	13.4	1.38	1.54	4396	1724	966	0.29	0.50

Table 7. Results of the PCB analysis. All congeners are reported in pg/g. NQ = data not quantifiable; < = less than detection limit; NDR = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration.

Sample Depth (cm)	CL1-PCB-1	CL1-PCB-2	CL1-PCB-3	CL2-PCB-4	CL2-PCB-5	CL2-PCB-6	CL2-PCB-7	CL2-PCB-8	CL2-PCB-9	CL2-PCB-10	CL2-PCB-11	CL2-PCB-12/13	CL2-PCB-14	CL2-PCB-15	CL3-PCB-16	CL3-PCB-17	CL3-PCB-18/30	CL3-PCB-19	CL3-PCB-20/28	CL3-PCB-21/33	CL3-PCB-22
Core 1																					
0-1	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	22.8	NQ	NQ	NQ	NQ	NQ	NQ	NQ
1-2	2.95	3.85	3.7	7.2	< 0.289	2.95	0.725	14.2	0.653	0.361	NDR 6.37	3.93	0.428	18.8	4.92	7.82	11.9	2.22	55	19.5	11.4
3-4	4.33	5.5	4.79	11	0.267	4.04	1.2	21.1	0.804	0.382	8.58	6.55	0.611	28.9	6.78	10.3	14.7	3.58	82.2	29.3	15.5
6-7	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	29.5	5.5	7.88	10.6	4.18	74.8	29.6	15.4
9-10	5.74	4.94	5.21	15.4	0.361	5.8	1.57	26.8	1.11	0.627	5.35	7.2	0.626	30	8.64	14.4	15.9	4.93	94.2	35.6	17.8
12-14	5.67	4.37	5.2	21.2	0.325	7.44	1.77	29.4	1.32	0.779	4.13	8.17	0.725	31.6	10.1	17.7	22.1	6.97	106	42.3	19.4
14-16	3.45	3.45	3.71	14.5	0.236	4.36	1.3	17.1	0.794	0.66	NDR 2.47	5.28	0.57	17	6.28	12.9	15	4.46	60.5	23.6	11.3
18-20	NQ	NQ	2.47	5.98	< 0.164	1.53	0.373	5.1	NDR 0.185	0.181	1.52	2.13	0.605	4.62	1.99	3.37	4.09	1.63	17.2	7.29	3.43
25-30	1.03	1.92	1.62	0.478	< 0.205	< 0.190	NDR 0.285	0.511	< 0.188	< 0.200	1.21	NDR 0.468	0.415	0.62	0.267	0.332	0.505	0.212	1.41	0.614	0.49
50-55	0.332	1.55	NDR 0.903	0.283	< 0.103	NDR 0.203	0.378	0.513	< 0.0969	< 0.0978	NDR 1.53	NDR 0.485	0.395	0.433	0.26	0.346	0.599	NDR 0.168	1.38	0.563	0.36
Core 2																					
0-1	3.98	1.2	3.34	5.29	0.19	2.59	0.647	18.1	0.627	0.144	7.99	2.22	< 0.0722	18.3	6.4	8.64	14.9	2.49	59.2	23.6	16
1-2	9.05	2.46	8.03	10.1	0.576	5.36	1.58	37.4	NDR 1.50	0.451	12.7	4.37	NDR 0.135	37.1	11	15.9	25.2	3.68	97.3	36.4	27
3-4	8.32	2.37	NDR 6.88	10.3	NDR 0.335	4.65	1.36	36.9	1.13	0.285	12.4	4.36	NDR 0.119	33.3	10.7	14.7	23.9	3.82	98	38.5	26.2
6-7														47	10.3	14.5	20.5	5.33	121	46.9	34
9-10	14.9	3.53	11.3	17	0.603	8.18	2.3	63.7	1.82	0.508	17.5	7.06	NDR 0.178	65.6	15.7	24.3	35.2	5.34	162	55.8	42.2
12-14	15.6	2.56	9.81	22.1	0.701	8.35	2.33	64.7	2.14	0.571	11.1	6.2	NDR 0.126	55.4	19	27.5	40.7	6.74	144	58.2	39.7
14-16	31.5	4.03	16.5	37.4	1.05	14.3	4.34	105	3.69	1.1	9.98	9.1	0.172	73	26.8	51.6	68	11.8	219	77.4	57.3
14-16 (Duplicate)	31.3	4.27	17	37.9	1.19	14.1	4.66	119	3.85	1.08	12.3	10.1	0.195	79.3	30.1	56	74.5	12.9	250	91.7	67.8
18-20		6.43	22.1	47.9	1.04	14.5	5.78	159	3.59	NDR 0.651	5.62	12.1	NDR 0.279	73.8	26.6	62.8	66.1	12	265	91.6	61.4
25-30	2.81	1.93	2.64	3.4	NDR 0.077	0.449	NDR 0.218	3.26	0.091	< 0.0688	1.41	NDR 0.943	NDR 0.117	1.36	0.733	2.08	2.06	0.984	4.78	2.12	1.23
35-40	0.476	0.946	NDR 0.977	0.301	< 0.106	< 0.101	0.291	0.365	< 0.100	< 0.101	NDR 1.71	NDR 0.421	< 0.105	0.27	NDR 0.136	0.252	0.297	0.123	0.554	0.277	0.172
Core 3																					
0-1	2.71	1.79	3.12	2.94	0.177	2.14	0.673	11.6	0.542	0.104	16.5	1.78	0.096	13.9	4.26	5.82	9.76	1.04	36.5	15.1	10.7
1-2	1.97	1.44	2.66	2.93	0.186	2.14	0.578	11	0.58	NDR 0.116	16.7	1.74	< 0.0851	12.6	3.76	5.84	9.93	1.12	36.5	14.1	11
3-4	2.77	2.16	3.35	3.25	0.219	2.39	0.898	12.7	0.517	0.11	17.8	2.09	0.123	14.9	5.23	6.78	11.6	1.41	40.9	16.9	12.1
3-4 (Duplicate)	3.03	2.29	3.37	3.5	0.179	2.28	0.725	12.3	0.542	0.112	17.7	1.92	0.1	14.4	4.72	6.18	10	1.37	39.4	16	11.3
6-7	2.88	2.31	3.35	3.05	0.195	2.3	0.679	12.6	0.523	0.103	15.8	1.91	NDR 0.117	14.1	4.9	6.52	10.5	1.22	37.8	15.8	11
9-10	3.4	2.43	3.78	3.1	0.198	2.31	0.754	14.6	0.544	0.082	17.3	2.38	0.126	20.7	4.36	6.73	9.87	1.08	45	17.8	12.2
12-14	6.42	2.29	5.26	5.93	0.359	3.63	1.06	22.8	0.915	0.173	13.8	3.43	0.14	33.9	6.89	9.53	14	2.02	65.9	25.8	17.9
14-16	5.87	1.77	6.01	7.3	0.31	4.49	1.49	27.8	1.12	0.265	NDR 14.2	3.88	NDR 0.132	46.4	8.69	13.2	20.1	2.69	94.4	33.8	25.5
18-20	10	2.4	8.21	32.2	1.42	15.2	3.23	83.6	4.13	1.02	12.8	6.78	0.113	71.9	41.5	44.1	81	11.6	187	91.7	60.7
25-30	12.3	2.94	11.9	15.5	NDR 0.783	10.5	2.78	59.7	2.45	0.586	15.2	7.49	< 0.195	67.2	23.1	29.7	44.8	7.32	174	71.2	49.9
40-45	16.5	3.5	16.8	21.1	NDR 1.08	12.5	3.14	71.5	2.99	0.82	7.16	9.3	< 0.181	66.2	33.1	54.2	99.9	10.6	283	120	88.1
Core 4																					
1-2	1.78	NDR 0.919	NDR 1.54	2.37	<0.369	1.09	1.75	5.29	<0.347	<0.334	NDR 8.29	NDR 1.08	<0.357	6.41	1.54	2.97	4.77	0.776	17.9	6.43	4.87
14-16	1.78	1.01	1.53	2.63	<0.195	1.19	0.3	6.68	0.296	<0.182	9.25	1.13	<0.196	6.67	1.88	3.1	4.5	1.04	18.7	6.86	5.33
14-16 (Duplicate)	1.59	0.888	1.44	4.32	<0.598	1.82	NDR 0.626	8.85	NDR 0.660	<0.542	9.07	1.61	<0.578	9.67	3.33	5.94	9.45	1.44	29	10.9	8.16
30-35	2.77	1.35	2.44	3.75	<0.469	NDR 1.79	NDR 0.605	9.73	NDR 0.527	<0.425	12.9	2.12	<0.453	16	2.35	4.81	7.1	1.3	34.3	11.7	8.85
Core 5																					
0-1	3.72	2.79	3.23	3.79	NDR 0.212	2.98	0.792	16	0.569	NDR 0.141	21.2	2.33	NDR 0.225	17.8	5.55	6.28	11.2	1.33	44.5	16.6	12.5
1-2	3.28	2.54	2.82	2.71	<0.596	1.9	0.631	11.4	NDR 0.757	<0.550	18.4	1.92	<0.601	11.6	3.18	3.88	7.07	1.15	38.1	14	10.6
3-4	4.62	4.16	3.63	6.89	0.286	3.8	0.995	23.3	0.945	0.322	32.2	3.54	0.234	30.6	9.81	10.9	21	2.02	78.9	28	20.1
6-7	3.49	2.64	2.75	3.53	NDR 0.140	2.33	0.587	12.5	NDR 0.595	NDR 0.144	17.4	2.12	NDR 0.201	15.8	NDR 4.03	4.44	7.67	1.41	34.7	12.9	9.72
9-10	3.57	2.8	2.91	4.6	0.21	2.8	0.647	15.3	0.581	0.221	17.6	2.33	NDR 0.197	18.7	4.61	5.31	9.42	1.42	39.3	14.5	11.1
12-14	5.02	2.85	3.25	7.76	NDR 0.247	4.02	0.877	22.4	1.04	NDR 0.201	17.9	2.82	< 0.128	24.2	11.3	11.3	21.2	3.03	58.2	25.5	18.2
14-16	5.48	4.25	4.01	6.05	<0.699	4.03	1.07	26.8	0.956	<0.646	33.4	4.27	<0.705	31.1	7.76	9.76	16.6	NDR 2.27	89.1	31.3	23.6
18-20	5.12	2.56	3.69	6.84	0.279	4.07	0.859	20.7	0.875	NDR 0.267	16.9	2.98	NDR 0.225	32.3	7.4	7.99	14.6	2.19	56.2	21.3	16.3
25-30	9.19	2.62	5.71	9.83	0.382	5.32	1.37	33.9	1.26	0.498	13.9	4.15	0.17	51.1	11.3	12.6	22.4	3.13	86.9	31.6	23.3
45-50	17.1	3.01	9.6	25.3	NDR 0.511	7.87	2.2	59.1	2.21	1.01	6.22	7.8	<0.446	43.5	20.6	25.7	41.6	9.04	175	70.9	51.2

Table 7: Continued.

Sample Depth (cm)	CL1-PCB-1	CL1-PCB-2	CL1-PCB-3	CL2-PCB-4	CL2-PCB-5	CL2-PCB-6	CL2-PCB-7	CL2-PCB-8	CL2-PCB-9	CL2-PCB-10	CL2-PCB-11	CL2-PCB-12/13	CL2-PCB-14	CL2-PCB-15	CL3-PCB-16	CL3-PCB-17	CL3-PCB-18/30	CL3-PCB-19	CL3-PCB-20/28	CL3-PCB-21/33	CL3-PCB-22
Core 6																					
0-1	5.3	2.07	3.04	4.07	NDR 0.260	2.52	0.692	12.1	0.547	NDR 0.189	16	1.85	< 0.0771	11.5	3.66	4.08	7.3	0.864	28.1	10.7	7.69
1-2	2.81	1.75	2.06	2.77	NDR 0.119	1.67	0.486	9.41	NDR 0.368	NDR 0.128	13.8	1.48	< 0.0953	10.3	2.89	3.17	6.16	NDR 0.830	24.1	9.17	7.07
3-4	2.76	2.05	2.21	2.92	< 0.159	1.95	0.547	10.7	0.41	< 0.149	15.6	1.77	< 0.144	11.9	3.49	4.21	7.84	0.708	29.8	11.2	8.49
6-7	2.97	2.21	2.33	3.18	< 0.184	2.22	0.559	11.9	0.514	< 0.172	16.3	1.95	NDR 0.220	13.6	3.72	4.7	8.26	NDR 0.835	34.3	12.6	9.62
9-10	3.15	2.41	2.42	3.91	NDR 0.167	2.39	0.569	12.8	0.554	0.173	17.6	2.04	NDR 0.214	15.5	4.83	5.58	10.4	1.23	37.3	14.6	10.9
9-10 (Duplicate)	3.61	2.54	2.79	3.7	NDR 0.179	2.51	0.704	13.7	0.546	0.159	19.3	2.33	0.129	15.8	4.47	5.38	9.7	1.08	39.7	14.2	11
12-14	3.34	2.7	2.39	4.57	< 0.220	2.69	0.608	15.6	NDR 0.570	< 0.206	21.9	2.62	< 0.200	17.4	5.48	6.17	11.3	NDR 1.16	43.6	16.3	12.5
14-16	3.42	2.89	2.72	3.91	< 0.167	2.55	0.692	14.1	0.511	< 0.157	19.3	2.22	< 0.152	17.8	4.84	5.57	10.4	0.998	42	14.6	11.3
18-20	3.9	3.04	3	4.75	< 0.301	3.08	0.714	17.5	NDR 0.603	< 0.283	21.4	2.66	< 0.275	22.1	NDR 5.69	6.25	11.8	NDR 1.31	50.1	17.9	13.4
25-30	4.97	3.69	3.69	6.66	NDR 0.267	3.9	NDR 0.996	22.4	NDR 0.919	< 0.246	23.7	3.07	< 0.239	28.9	5.85	6.34	12.3	1.51	65	23.7	18.7
40-45	6	3.16	4.6	6.9	NDR 0.378	4.39	1.25	27.4	1.04	NDR 0.255	18	4.19	< 0.166	43.4	6.85	7.66	14.5	NDR 1.72	81.3	28.6	21.9
Core 7																					
0-1	3.36	2.44	NDR 7.22	< 6.52	< 3.58	< 3.16	< 3.30	9.29	< 3.16	< 3.20	12.4	< 3.55	< 3.38	9.78	2.55	NDR 3.02	5.2	0.857	21.6	8.29	5.96
1-2	1.52	1.33	1.12	NDR 2.09	<0.743	NDR 1.24	<0.683	7.55	<0.704	<0.686	10.9	1.52	<0.749	6.56	2.4	2.85	5.06	NDR 0.628	22.3	8.36	5.93
3-4	3.1	2.25	NDR 9.25	< 6.83	< 3.52	< 3.11	< 3.25	8.52	< 3.11	< 3.15	10.6	< 3.49	< 3.32	NDR 9.93	2.9	2.88	5.55	0.823	21.9	8.76	6.07
3-4 (Duplicate)	3.97	3	NDR 8.82	< 6.59	< 3.86	< 3.40	< 3.55	11.5	< 3.41	< 3.45	13	< 3.83	< 3.64	NDR 13.3	2.96	3.58	6.56	NDR 0.858	29.2	10.8	8.02
6-7	2.99	NDR 2.60	NDR 7.32	< 5.41	< 3.24	< 2.86	< 2.98	7.77	< 2.86	< 2.90	9.93	< 3.21	< 3.06	NDR 9.08	2.34	2.76	5.3	NDR 0.885	22.4	8.25	6.18
9-10	1.64	NDR 1.31	1.53	1.91	< 0.110	NDR 0.981	0.248	5.39	0.214	< 0.101	6.1	1.01	NDR 0.122	6.91	2.05	2.1	4.11	0.529	14.5	5.28	4.05
12-14	2.88	2.42	NDR 8.43	< 5.61	< 2.98	< 2.63	< 2.75	6.23	< 2.63	< 2.67	3.87	< 2.96	< 2.81	NDR 6.67	2.77	3.03	5.31	NDR 0.960	20.9	8.57	6.06
14-16	NDR 1.57	1.31	NDR 1.79	1.91	<0.727	NDR 1.64	<0.668	6.88	<0.688	<0.671	NDR 5.45	NDR 1.69	<0.733	4.44	2.5	3.45	5.54	0.848	21.9	8.76	6.04
18-20	2.96	NDR 2.21	NDR 8.47	NDR 7.85	< 2.87	< 2.53	< 2.64	16	< 2.53	< 2.56	NDR 4.42	< 2.84	< 2.71	11.7	7.6	8.59	15.7	2.32	42.7	20	13.5
25-30	NDR 1.91	NDR 1.94	NDR 8.85	< 6.59	< 3.87	< 3.41	< 3.56	< 3.26	< 3.42	< 3.46	< 3.73	< 3.84	< 3.65	< 5.05	< 0.411	NDR 0.391	NDR 0.827	< 0.572	2.64	1.11	0.408
40-44	NDR 0.249	1.06	NDR 0.487	<0.317	<0.226	<0.213	<0.211	NDR 0.413	<0.210	<0.211	0.787	NDR 0.401	<0.227	<0.214	0.164	0.187	0.385	0.136	0.626	0.4	0.223
Surface Only Samples																					
Core Number/Sample Depth (cm)	**CL1-PCB-1**	**CL1-PCB-2**	**CL1-PCB-3**	**CL2-PCB-4**	**CL2-PCB-5**	**CL2-PCB-6**	**CL2-PCB-7**	**CL2-PCB-8**	**CL2-PCB-9**	**CL2-PCB-10**	**CL2-PCB-11**	**CL2-PCB-12/13**	**CL2-PCB-14**	**CL2-PCB-15**	**CL3-PCB-16**	**CL3-PCB-17**	**CL3-PCB-18/30**	**CL3-PCB-19**	**CL3-PCB-20/28**	**CL3-PCB-21/33**	**CL3-PCB-22**
8/1-2	6.39	3.94	5.17	11.5	0.36	4.33	NDR 2.77	22.9	NDR 1.29	0.399	14.6	3.11	NDR 0.200	21.7	7.34	8.54	15.8	2.83	47.4	17.5	12.7
9/1-2	NQ	NQ	NQ	19.7	NDR 0.343	4.12	3.25	22.6	1.29	0.408	23	4.48	0.358	30.1	7.4	7.92	15.6	3.24	64.7	23.2	16.7
10/0-1	10.1	8.9	NDR 9.50	25.3	0.542	6.49	4.62	29.4	2.12	NDR 0.803	NDR 34.7	6.85	NDR 0.456	28.3	8.76	11.4	18.8	5.04	66.7	25.3	15.6
11/0-1	6	5.12	4.61	12.5	NDR 0.293	3.32	3.06	15.8	0.874	0.495	12.5	3.9	< 0.250	19.5	6.67	7.71	14	2.83	48.6	18.7	12.3
12/0-1	13.9	3.5	4.26	22	0.326	3.54	NDR 3.20	15.9	NDR 1.11	0.416	NDR 11.7	2.91	< 0.222	18.2	7.42	7.07	15.2	3.28	41.9	16.9	11.7
13/0-1	8.99	2.93	3.54	14.6	NDR 0.239	2.7	1.42	12.3	0.758	0.386	8.69	1.97	< 0.102	12.9	4.42	4.66	8.87	2.03	28	10.3	7.27
14/0-1	7.28	3.62	6.88	10.1	0.407	4.4	1.88	25.7	1.27	0.357	NDR 26.3	3.77	NDR 0.217	29.2	6.95	9.16	16.4	2.54	63.8	23.3	16.7
15/0-1	2.3	1.66	1.65	3.71	< 0.0694	1.2	1.46	6.42	0.35	NDR 0.135	8.41	0.997	< 0.0649	5.41	1.87	2.39	4.34	NDR 0.780	13.1	5.14	3.84
16/0-1	2.89	1.65	NDR 6.87	5.65	NDR 0.156	2.77	0.61	15.4	0.624	0.168	15.2	2.19	< 0.100	13.5	5.84	7.16	12.6	1.69	44.3	17.9	12.5
17/0-1	NDR 13.1	9.53	NDR 31.2	19.9	< 0.313	5.52	1.2	25.1	1.24	0.617	26.6	4.5	< 0.300	27.3	9.49	10.4	19.5	3.17	71.8	27.8	18.8
18/0-1	NDR 1.60	0.93	NDR 9.58	2.11	< 0.0689	1.06	0.314	6.19	0.259	0.074	7.69	0.988	< 0.0661	5.45	1.98	2.47	4.36	0.48	16.5	6.25	4.2
19/0-1	2.41	2.39	NDR 4.40	3.54	NDR 0.123	2.01	0.455	12.3	0.485	0.133	15.7	1.41	< 0.112	10.5	3.5	4.2	7.8	0.87	31.4	11.7	8.48
20/0-1	13.3	2.69	NDR 12.5	15.9	NDR 0.291	4.3	1.11	26.1	1.19	0.609	16.4	3.96	< 0.146	31.3	9.28	11.1	20.5	3.24	78.5	29.5	21.1
21/0-1	NDR 9.70	9.53	NDR 53.4	21	0.524	7.33	2.1	38.4	1.71	0.797	27.3	7.34	< 0.472	40.1	16.1	20.2	33.3	6.42	130	51.4	31.6
22/0-1	NDR 7.44	< 1.77	NDR 30.8	10.9	< 0.256	2.28	0.514	11.6	0.514	NDR 0.306	10.2	1.95	< 0.245	12.8	4.58	NDR 5.47	9.36	1.64	31.7	11.6	8.26
Sediment Traps																					
A1 TOP	2.02	1.21	NDR 2.36	3.87	NDR 0.187	2.27	0.777	10.3	0.625	NDR 0.182	18.3	1.64	< 0.0990	10.7	3.82	5.41	9.81	1.09	29.8	12.8	9.36
A1 BOT	2.57	1.52	2.72	6.36	0.358	3.13	0.917	15.3	0.967	0.23	20.2	2.33	NDR 0.095	13.6	5.88	7.76	14.6	2.05	38.6	17.5	13.7
B1 TOP	3.24	1.44	NDR 2.34	8.88	0.317	3.23	0.865	15.1	0.974	0.361	12	2	< 0.102	13.8	7.86	9.61	18.9	2.55	35.7	16.1	12.3
B1 BOT	1.87	NDR 1.46	NDR 1.66	3.91	0.155	1.77	0.768	9.59	0.477	0.155	13.1	NDR 1.29	< 0.137	8.86	3.04	4.25	7.65	1.05	22.9	8.91	7.17

Table 7: Continued.

Sample Depth (cm)	CL3-PCB-23	CL3-PCB-24	CL3-PCB-25	CL3-PCB-26/29	CL3-PCB-27	CL3-PCB-31	CL3-PCB-32	CL3-PCB-34	CL3-PCB-35	CL3-PCB-36	CL3-PCB-37	CL3-PCB-38	CL3-PCB-39	CL4-PCB-40/41/71	CL4-PCB-42	CL4-PCB-43	CL4-PCB-44/47/65	CL4-PCB-45/51	CL4-PCB-46	CL4-PCB-48	CL4-PCB-49/69
Core 1																					
0-1	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	NQ	24.2	NQ	NQ	29.2	16.1	1.23	55.1	6.29	2.11	6.26	37.2
1-2	< 0.0725	NDR 0.163	2.89	5.28	1.94	33.3	10.5	NDR 0.237	2.68	0.584	18.9	NDR 0.308	0.492	26.1	13.6	1.23	51.3	6.47	2.2	5.99	38.4
3-4	< 0.0496	0.169	4.63	7.36	2.62	46.3	12.6	0.387	4.23	0.82	31.8	0.384	0.767	41.4	23.8	1.64	81.3	10.4	3.48	9.28	59
6-7	< 0.0586	0.14	4.12	6.71	2.06	43.3	10.9	0.396	4.43	0.68	31.9	0.465	0.874	40.3	23	1.33	75.2	8.08	2.95	7.95	50.9
9-10	NDR 0.067	0.217	5.03	8.5	3.44	53.8	18.5	0.536	4.91	0.563	36.3	0.413	0.92	49.9	29.2	2.1	96.4	14.4	4.59	11.4	72.1
12-14	< 0.0589	0.238	6.07	9.43	4.18	58.6	24	0.752	6.47	0.448	45.6	0.527	1.25	65.6	39.1	2.66	123	20.4	6.34	13.6	95.9
14-16	< 0.0576	NDR 0.183	3.41	5.38	2.83	35.2	18.9	NDR 0.587	3.55	0.308	26.1	0.434	0.837	39.6	22.5	1.53	74.4	13.9	4.78	7.92	63.4
18-20	< 0.0508	< 0.0469	1.07	1.59	0.913	10.1	5.13	0.189	1.52	0.199	8.24	0.467	0.403	13.8	8.09	0.597	24.7	4.65	1.68	2.75	20.2
25-30	< 0.0546	< 0.0637	NDR 0.158	0.216	0.097	0.921	NDR 0.342	< 0.0527	NDR 0.219	NDR 0.065	0.638	0.35	< 0.0511	1.1	0.602	< 0.0962	1.89	0.39	NDR 0.172	0.255	1.33
50-55	< 0.0449	< 0.0449	0.135	0.196	NDR 0.105	0.985	0.399	< 0.0449	0.166	NDR 0.045	0.534	0.272	< 0.0449	0.93	0.476	< 0.0449	1.84	0.421	NDR 0.120	0.232	1.29
Core 2																					
0-1	< 0.0471	NDR 0.176	3.55	6.76	1.55	38.1	8.61	0.202	1.39	0.212	17.3	NDR 0.092	0.235	25.2	11.6	1.3	44.5	6.44	2.52	7.98	26.4
1-2	NDR 0.065	NDR 0.345	5.68	10.9	3.07	63.1	16.2	0.347	2.12	0.275	33.5	NDR 0.095	NDR 0.433	43.6	17.8	2.26	75.2	11	4.64	12.3	45
3-4	NDR 0.068	0.305	6.29	11.6	2.5	66.1	15.2	0.331	2.34	0.288	29.7	0.148	0.392	42.1	19.6	2.2	79.2	9.88	4.11	12.5	48.6
6-7	NDR 0.095	0.263	7.64	12.9	2.65	73.2	16.6	NDR 0.438	3.66	0.397	39	NDR 0.178	0.412	49	21.5	2.2	79.5	9.92	4.36	13	46.8
9-10	< 0.0920	0.505	10.3	18.1	4.31	99.7	25.3	NDR 0.563	3.86	0.464	58.9	0.235	0.633	61.5	28.3	2.88	110	14.1	5.95	16.8	70.7
12-14	0.1	0.565	9.5	17.6	4.38	94.4	25.4	0.603	3.46	0.249	50.4	0.135	0.506	58.1	26.6	2.74	88.3	14.4	6.51	17.1	58.9
14-16	< 0.148	0.898	14.8	27.3	9.04	136	52.7	1.26	4.28	< 0.154	70.5	0.312	1.4	129	50.5	7.26	212	35.2	15.7	36	140
14-16 (Duplicate)	0.189	1.24	15.5	29.2	9.22	155	57	1.4	5.29	NDR 0.148	81.6	NDR 0.300	1.4	131	50.6	6.55	194	34.4	15.4	36.3	130
18-20	0.139	0.685	17	29.1	7.91	137	62.2	1.67	6.16	0.134	74	0.378	1.42	168	69.8	8.02	234	39.5	18.8	50.2	154
25-30	0.14	< 0.0486	0.377	0.492	0.265	2.93	2.16	0.159	0.428	0.087	1.75	0.294	NDR 0.102	3.23	1.25	0.156	4.35	0.979	0.491	0.781	2.89
35-40	< 0.0472	< 0.0472	< 0.0472	0.098	< 0.0472	0.41	0.251	< 0.0472	0.128	< 0.0472	0.204	0.214	0.068	0.378	NDR 0.169	< 0.0472	0.766	NDR 0.209	NDR 0.066	NDR 0.117	0.446
Core 3																					
0-1	< 0.0477	0.131	2.63	4.83	0.887	25.9	4.01	0.151	1.42	0.413	12	0.117	0.232	14.8	7.4	0.853	26.4	3.24	1.01	4.98	16.5
1-2	< 0.0469	0.156	2.34	4.83	0.884	26.5	4.62	0.164	1.25	0.399	10.4	NDR 0.099	0.244	14.1	6.36	0.843	25.5	3.31	1.07	4.62	16.2
3-4	< 0.0472	0.192	2.97	5.51	0.988	29.6	4.49	0.148	1.53	0.473	12.7	0.108	0.247	15.7	8.08	0.87	27.6	3.82	1.16	5.46	17.5
3-4 (Duplicate)	< 0.0469	0.104	2.92	5.3	0.913	27.5	4.1	0.15	1.64	0.501	11.9	0.119	0.262	15.2	7.71	0.932	26.3	3.51	1.07	5.06	16.9
6-7	< 0.0473	0.105	2.67	4.85	0.889	26.8	4.39	0.135	1.46	0.439	11.6	NDR 0.115	0.236	16.1	8.09	0.887	27.2	3.56	1.18	5.51	17.5
9-10	< 0.0466	0.139	3.26	5.31	0.935	29.5	4.62	0.179	2.77	0.43	14.5	0.125	0.313	17.7	8.52	1	28.5	3.55	1.13	5.9	18
12-14	0.056	0.158	4.64	7.62	1.35	42.6	6.84	0.271	2.24	0.37	23.4	NDR 0.127	0.405	26.2	13.2	1.36	42	5.26	1.72	8.55	26.2
14-16	NDR 0.059	0.294	5.9	10.9	1.92	61.5	10.9	0.407	2.49	0.263	33.2	NDR 0.105	0.534	34.9	15.4	1.85	54.5	7.77	2.69	10.7	35
18-20	0.215	1.02	13.4	26.2	6.36	138	27.8	0.683	3.92	0.211	66.7	0.251	0.881	69.9	33.2	4.07	100	19	6.42	23.9	62.4
25-30	NDR 0.108	< 0.0615	12.9	22.2	4.72	116	22.1	0.76	4.25	NDR 0.161	71.6	NDR 0.282	1.38	81.7	40.9	5.57	121	20.2	6.91	27.3	76.8
40-45	0.168	1.29	17.8	35.4	7.09	230	45.5	1.21	5.09	< 0.114	82	0.441	2.93	203	83.3	12.5	318	53	18.8	67.1	189
Core 4																					
1-2	<0.0520	0.075	1.41	2.77	0.45	13.2	2.17	0.116	0.492	0.193	4.52	0.067	NDR 0.143	7.98	3.44	0.598	14.9	2.31	0.61	2.55	8.94
14-16	<0.0494	NDR 0.051	1.58	2.81	0.484	13.6	2.17	0.097	0.536	NDR 0.272	4.7	NDR 0.083	NDR 0.141	7.43	3.86	NDR 0.524	14	2.08	0.593	2.4	8.74
14-16 (Duplicate)	<0.0478	0.19	1.99	4.24	0.948	20.7	4	NDR 0.119	0.64	NDR 0.244	7.53	<0.0478	0.139	9.77	4.09	0.696	16.5	2.99	0.818	3.25	10.3
30-35	<0.0500	0.154	2.34	4.58	0.768	23.5	3.93	0.134	NDR 0.983	0.431	9.66	NDR 0.105	NDR 0.201	13.7	5.71	0.954	25.3	3.56	0.949	4.19	15.2
Core 5																					
0-1	< 0.0631	< 0.0605	3.01	5.8	1.14	29.9	4.75	NDR 0.193	1.46	0.768	14.8	NDR 0.185	0.312	15	7.76	0.932	26	2.99	1	4.81	16.1
1-2	<0.109	0.136	2.49	4.47	0.7	26	3.69	0.149	1.48	0.76	8.46	<0.116	<0.111	10.5	4.94	0.684	18.7	2.17	NDR 0.770	3.2	11.3
3-4	NDR 0.052	0.283	4.82	9.72	1.98	54.9	8.09	0.285	2.19	1.6	25.4	0.199	0.414	25.2	12.1	1.22	45	4.98	1.6	7.74	28.2
6-7	< 0.0651	< 0.0509	2.41	4.39	0.81	22.6	3.5	0.123	1.22	0.726	12.2	0.11	0.25	12.6	6.4	0.729	21	2.43	0.793	3.85	13
9-10	< 0.0480	< 0.0518	2.59	4.85	0.975	26.2	4.21	NDR 0.139	1.33	0.697	14.3	NDR 0.143	NDR 0.274	14.4	7.2	0.86	24.1	2.78	0.983	4.37	15
12-14	< 0.0592	< 0.0484	3.98	8.16	2.01	42	8.04	0.232	1.71	0.802	19.7	NDR 0.127	0.377	21.1	10.5	1.49	35	5.37	1.9	7	21.3
14-16	<0.0617	0.299	5.43	10.2	1.73	59.4	9.15	NDR 0.299	3.2	1.56	22.9	0.255	NDR 0.391	26.8	12.3	1.63	46	5.07	1.7	7.43	29.2
18-20	< 0.0733	0.261	3.73	7.09	1.49	37.6	6.75	0.162	1.95	0.879	20	NDR 0.235	0.44	20.5	10.1	1.48	34.4	4.26	1.69	6.35	21.2
25-30	0.076	NDR 0.341	6.31	11.5	2.56	59.1	10.6	0.308	2.32	0.711	31.4	NDR 0.147	0.541	32	16.4	2.09	53.8	7.32	2.67	9.8	33.7
45-50	0.094	0.92	10.3	20.1	4.22	125	26.6	0.622	5.17	NDR 0.234	57.6	0.215	1.22	81.3	38.8	4.6	128	17.1	6.21	22.6	80.7

Table 7: Continued.

Sample Depth (cm)	CL3-PCB-23	CL3-PCB-24	CL3-PCB-25	CL3-PCB-26/29	CL3-PCB-27	CL3-PCB-31	CL3-PCB-32	CL3-PCB-34	CL3-PCB-35	CL3-PCB-36	CL3-PCB-37	CL3-PCB-38	CL3-PCB-39	CL4-PCB-40/41/71	CL4-PCB-42	CL4-PCB-43	CL4-PCB-44/47/65	CL4-PCB-45/51	CL4-PCB-46	CL4-PCB-48	CL4-PCB-49/69
Core 6																					
0-1	< 0.0563	NDR 0.103	1.9	3.77	0.783	18.8	3.08	0.135	0.826	0.572	8.83	NDR 0.160	0.19	9	4.55	0.529	16	1.75	0.683	3	10.1
1-2	< 0.0466	0.072	1.61	3.05	0.628	16	2.55	0.104	0.834	0.55	8.2	NDR 0.119	NDR 0.185	7.43	4.28	0.425	14.5	1.6	0.594	2.56	8.9
3-4	< 0.0633	< 0.0538	1.98	3.82	0.728	20	3.16	0.086	0.859	0.619	9.52	0.104	0.173	9.81	5.01	0.58	17.2	2.07	0.749	3.19	11.1
6-7	< 0.0693	NDR 0.114	2.16	4.33	0.809	22.8	3.55	0.093	1.05	0.74	11.1	NDR 0.160	0.175	11.7	5.81	0.697	20.5	2.53	0.827	3.83	13.1
9-10	< 0.0488	NDR 0.186	2.48	4.94	1.03	26.6	4.22	0.15	1.07	0.738	12.5	NDR 0.150	NDR 0.266	13.2	6.5	0.854	22.7	2.72	1.02	4.18	14.1
9-10 (Duplicate)	0.068	NDR 0.148	2.91	5.65	0.895	26.9	4.14	0.191	1.26	0.838	12.5	0.206	0.277	13.4	6.9	0.832	24.1	2.69	0.992	4.46	15.3
12-14	< 0.0650	0.143	3.06	5.64	1.04	29.2	4.49	NDR 0.196	1.59	0.968	14.2	NDR 0.106	NDR 0.436	14.5	7.36	< 0.0469	24.5	2.81	0.989	4.45	15.9
14-16	< 0.0472	0.172	2.76	5.06	0.998	27.2	4.23	NDR 0.154	1.78	0.952	14	0.144	NDR 0.199	14.1	6.96	< 0.0472	23.7	2.84	1.03	4.27	15.7
18-20	< 0.0567	NDR 0.201	3.31	6.15	1.26	32.7	4.74	NDR 0.175	1.72	0.976	16.6	0.169	NDR 0.275	16.3	8.21	< 0.0655	27.6	3.27	1.14	5.18	18
25-30	0.055	NDR 0.202	3.99	8.12	1.15	43	6.7	NDR 0.233	2.61	1.3	21.1	0.243	NDR 0.530	16.6	8.51	< 0.0624	28	3.19	1.14	5.21	17.2
40-45	NDR 0.083	0.158	5.03	10.4	1.4	52.6	8.63	NDR 0.291	3.32	0.832	24.2	0.152	NDR 0.477	22.9	11	< 0.0517	36.4	4.37	1.58	6.85	23.3
Core 7																					
0-1	< 0.249	< 0.219	1.48	3.09	NDR 0.595	14.4	2.11	< 0.245	0.759	NDR 0.342	8.2	< 0.255	< 0.248	7.11	3.52	NDR 0.355	11.9	1.43	0.602	2.32	8.45
1-2	<0.0836	NDR 0.080	1.42	2.75	0.512	15	2.3	NDR 0.098	0.65	0.402	5.08	<0.0890	0.212	6.39	2.97	0.419	12	1.39	NDR 0.461	2.08	7.64
3-4	< 0.353	< 0.286	1.33	2.86	NDR 0.546	14.9	2.1	< 0.346	NDR 0.684	< 0.346	8.43	< 0.361	< 0.350	7.71	3.79	NDR 0.414	12.7	1.46	NDR 0.551	2.59	8.1
3-4 (Duplicate)	< 0.414	< 0.292	2.12	3.77	NDR 0.633	19.4	2.78	< 0.406	NDR 1.07	NDR 0.529	12.1	< 0.424	< 0.411	9.79	4.73	0.628	16.3	2.08	NDR 0.722	2.94	10.4
6-7	< 0.322	< 0.271	1.44	2.83	NDR 0.556	16	2.26	< 0.316	0.812	< 0.315	8.64	< 0.329	< 0.319	7.36	3.4	NDR 0.317	13.1	1.53	0.42	2.42	8.66
9-10	< 0.0462	NDR 0.057	1.02	1.79	0.439	9.48	1.52	0.065	0.587	0.249	5.61	0.177	NDR 0.076	5.53	2.73	0.322	9.41	1.2	0.414	1.63	5.97
12-14	< 0.337	< 0.218	1.49	2.75	0.541	14.9	2.58	< 0.331	NDR 0.610	< 0.330	9.57	< 0.345	< 0.335	9.36	5.34	0.505	15.9	2.28	1.2	3.06	10.1
14-16	<0.0675	<0.0537	1.45	2.61	0.498	15.2	3.23	NDR 0.112	0.867	NDR 0.197	4.98	0.294	0.16	9.23	4.38	0.592	16.3	2.21	NDR 0.790	2.77	10.5
18-20	< 0.407	< 0.303	2.98	5.81	NDR 1.30	31.2	5.87	< 0.399	NDR 1.26	< 0.398	15.5	< 0.416	< 0.404	16.5	8.3	1.01	26	4.09	1.52	5.55	16.4
25-30	< 0.310	< 0.249	< 0.272	< 0.303	< 0.235	1.49	< 0.287	< 0.304	< 0.345	< 0.304	0.981	< 0.318	< 0.308	0.933	NDR 0.301	< 0.167	1.43	NDR 0.209	< 0.182	NDR 0.280	1.07
40-44	<0.0500	<0.0500	0.068	NDR 0.178	<0.0500	0.633	NDR 0.117	<0.0500	0.071	<0.0500	NDR 0.193	NDR 0.309	<0.0500	0.421	NDR 0.195	<0.0500	0.811	0.255	NDR 0.057	0.244	0.464

Core Number/Sample Depth (cm)	CL3-PCB-23	CL3-PCB-24	CL3-PCB-25	CL3-PCB-26/29	CL3-PCB-27	CL3-PCB-31	CL3-PCB-32	CL3-PCB-34	CL3-PCB-35	CL3-PCB-36	CL3-PCB-37	CL3-PCB-38	CL3-PCB-39	CL4-PCB-40/41/71	CL4-PCB-42	CL4-PCB-43	CL4-PCB-44/47/65	CL4-PCB-45/51	CL4-PCB-46	CL4-PCB-48	CL4-PCB-49/69
8/1-2	< 0.0829	0.263	2.96	5.68	1.5	31.7	7.8	0.152	1.42	0.531	14.9	0.126	0.348	16.1	7.96	0.795	28.7	3.81	NDR 1.28	4.31	17.9
9/1-2	< 0.0843	NDR 0.195	3.64	7.53	1.57	40.5	6.96	0.182	2.06	0.789	23.2	NDR 0.174	0.456	20.9	9.54	0.996	33.2	4.21	1.49	5.25	20.7
10/0-1	< 0.208	0.28	3.9	7.1	2.38	41.6	11.4	0.307	3.34	0.793	24.8	NDR 0.269	0.735	28.3	15.2	1.35	53.7	6.9	2.4	7.01	36.9
11/0-1	< 0.131	NDR 0.227	2.92	5.56	1.55	31.6	8	0.178	1.99	0.629	17.7	NDR 0.271	NDR 0.374	18.7	10.2	1.04	34.9	4.58	1.67	5.34	22.8
12/0-1	< 0.0945	0.243	2.46	5.3	1.5	28.5	5.69	0.13	1.23	0.368	16	0.147	0.35	16.3	7.44	0.935	28.3	4.25	1.57	4.37	17.2
13/0-1	< 0.0723	NDR 0.141	1.5	3.16	0.92	18.3	3.71	0.086	1.04	0.317	9.77	0.097	0.22	10.4	5.01	0.491	17.6	2.32	0.863	2.6	10.4
14/0-1	< 0.0535	NDR 0.213	3.87	7.09	1.68	40.3	8.28	0.196	1.96	0.6	22.7	NDR 0.131	NDR 0.343	21.8	10.5	1.23	37.9	4.78	1.73	6.06	22.5
15/0-1	< 0.0505	NDR 0.054	0.853	1.67	0.425	8.85	1.61	< 0.0505	0.435	0.25	3.53	< 0.0505	NDR 0.070	4.08	2.1	0.3	7.69	1.06	0.363	1.46	4.69
16/0-1	< 0.0501	0.193	2.94	5.75	1.11	28.5	5.07	0.145	1.15	0.601	12.4	0.08	NDR 0.154	11.6	5.65	0.807	23.9	2.77	0.961	4.15	14.1
17/0-1	< 0.159	NDR 0.267	4.52	8.5	1.84	45.3	8.87	NDR 0.250	NDR 1.84	NDR 0.802	21.2	NDR 0.177	0.381	24.7	11.8	1.55	44.5	5.77	1.92	7.13	25.4
18/0-1	< 0.0452	0.055	1.05	2.06	0.404	10.6	1.94	0.071	0.513	0.342	4.45	NDR 0.070	NDR 0.083	5.11	2.54	0.343	9.78	1.08	0.391	1.72	6.05
19/0-1	< 0.0473	NDR 0.100	2.13	3.98	0.784	20.3	3.29	0.097	1.02	0.569	8.19	NDR 0.090	0.176	9.1	4.65	0.581	16.8	1.94	0.653	3.07	10.5
20/0-1	< 0.0642	0.265	4.83	9.33	2.13	51.2	9.88	0.241	2.56	0.714	26.1	0.145	NDR 0.470	29.5	14	1.57	51.9	6.2	2.19	7.86	29.5
21/0-1	< 0.267	NDR 0.462	7.76	13.7	4.4	82.1	24	NDR 0.540	5.01	1.2	40.9	NDR 0.387	< 0.267	54.3	28.7	NDR 3.58	118	15.1	5.17	15.8	75.5
22/0-1	< 0.130	< 0.130	1.94	3.7	1.1	20	5.3	< 0.130	1.05	NDR 0.244	10.3	< 0.130	< 0.130	12	5.94	NDR 0.803	23.2	2.98	1.04	3.4	13.5
Sediment Traps																					
A1 TOP	< 0.0491	0.208	2.02	4.41	0.785	23.7	4.03	NDR 0.135	0.972	0.524	8.01	NDR 0.094	NDR 0.289	12.2	5.63	0.782	22.6	3.23	0.916	4.16	14.1
A1 BOT	< 0.0486	NDR 0.207	2.41	5.45	1.13	30.3	5.81	NDR 0.147	1.14	NDR 0.518	10.6	NDR 0.074	0.261	13.7	6.15	0.821	23.3	3.65	1.28	4.57	14.5
B1 TOP	0.059	0.333	2.14	5.46	1.42	28.7	6.65	0.162	0.829	0.339	9.92	NDR 0.063	0.207	11.9	5.06	0.828	19.2	3.76	1.28	4.16	11.9
B1 BOT	< 0.0492	NDR 0.134	1.38	3.04	0.652	16.4	3.18	NDR 0.112	0.719	NDR 0.417	6.38	NDR 0.078	0.11	7.3	3.36	0.395	13.1	1.86	0.597	2.22	8.17

Table 7: Continued.

Sample Depth (cm)	CL4-PCB-50/53	CL4-PCB-52	CL4-PCB-54	CL4-PCB-55	CL4-PCB-56	CL4-PCB-57	CL4-PCB-58	CL4-PCB-59/62/75	CL4-PCB-60	CL4-PCB-61/70/74/76	CL4-PCB-63	CL4-PCB-64	CL4-PCB-66	CL4-PCB-67	CL4-PCB-68	CL4-PCB-72	CL4-PCB-73	CL4-PCB-77	CL4-PCB-78	CL4-PCB-79	CL4-PCB-80
Core 1																					
0-1	5.39	61.7	< 0.113	NDR 0.475	37.5	0.28	< 0.266	4.78	19.7	131	2.99	18.8	92.5	1.73	1.01	0.949	0.129	16.5	< 0.262	1.88	< 0.235
1-2	5.24	59.9	NDR 0.107	NDR 1.24	28.9	< 0.491	< 0.487	4.48	14.8	108	2.27	17.9	78.3	1.24	0.571	0.697	< 0.0725	12.2	< 0.515	1.63	< 0.471
3-4	9.24	90.7	0.127	0.906	46.6	0.363	0.418	7.2	24.9	171	4.06	25.9	126	2.4	1.28	1.41	0.296	22.8	< 0.113	2.23	< 0.102
6-7	6.97	76.1	0.146	0.986	52.8	NDR 0.432	NDR 0.578	6.5	25.5	178	3.77	23.9	133	2.24	1.4	1.34	0.291	22.3	< 0.210	2.35	< 0.188
9-10	11.9	103	0.197	0.985	52.2	0.357	0.442	8.48	26.4	185	4.15	29.2	143	2.45	1.49	1.66	NDR 0.331	25.3	< 0.123	2.68	< 0.110
12-14	16.5	132	0.252	1.15	63.9	0.449	0.977	10.7	29.7	224	4.84	34.1	175	2.98	2.21	2.53	0.567	31.8	NDR 0.110	3.49	NDR 0.135
14-16	11	84.5	0.152	NDR 1.56	36.8	0.291	0.616	6.25	16.1	127	2.83	21	101	1.6	1.32	1.73	0.483	17.1	< 0.138	2.31	0.14
18-20	3.95	27.4	NDR 0.095	0.233	11.5	0.165	NDR 0.244	2.13	5.37	41.7	0.962	6.81	32.2	0.606	0.693	0.678	0.166	6.64	NDR 0.100	0.916	< 0.0893
25-30	0.288	2.13	< 0.0858	< 0.162	0.89	< 0.154	< 0.160	0.208	0.456	3.23	< 0.148	0.626	2.02	< 0.136	NDR 0.166	< 0.151	< 0.0659	0.408	< 0.154	< 0.133	< 0.141
50-55	0.304	1.84	< 0.0449	< 0.0449	0.733	< 0.0449	< 0.0449	0.16	0.363	2.36	NDR 0.074	0.567	1.78	NDR 0.061	0.08	< 0.0449	< 0.0449	NDR 0.352	< 0.0449	0.053	< 0.0449
Core 2																					
0-1	5.23	56	0.111	NDR 1.00	27.6	0.223	NDR 0.169	4.09	16.6	105	2.18	18.9	62.2	1.82	NDR 0.348	0.422	0.12	7.4	< 0.0828	0.897	0.629
1-2	9.7	100	0.144	2.74	42.4	< 0.324	0.347	7.65	23.8	169	3.21	32.6	101	2.49	0.537	0.71	< 0.0474	14.4	< 0.338	3.04	< 0.316
3-4	9.36	120	NDR 0.151	1.4	42.9	0.344	0.364	6.64	25	190	3.62	34	104	2.99	0.55	0.713	0.142	13.3	< 0.118	2.34	< 0.107
6-7	8.34	93.1	0.212	1.78	55.2	< 0.447	0.485	7.62	32	208	4.52	35.2	129	3.38	0.678	0.867	0.203	16.1	< 0.449	2	< 0.408
9-10	13.6	156	0.173	2.11	64.7	0.549	0.67	9.98	37.9	284	5.21	47.6	160	4.42	0.927	1.2	0.289	23.7	< 0.196	2.69	1.31
12-14	13	96.8	0.238	1.67	50.7	0.468	0.429	9.36	30.6	193	4.15	39.5	126	3.8	0.884	1.11	NDR 0.296	20.2	< 0.158	< 0.133	< 0.144
14-16	33.7	287	0.572	7.04	101	0.758	1.06	20.5	56.7	407	8.28	87.9	249	6.6	1.92	2.46	< 0.0476	30.3	< 0.523	8.42	< 0.489
14-16 (Duplicate)	32.2	232	0.491	7.14	107	0.886	1.28	21	61.3	402	8.84	83.7	265	7.45	2.15	2.67	< 0.0483	34.9	< 0.342	6.29	< 0.320
18-20	36.2	244	NDR 0.489	3.42	123	0.914	1.56	23	78.1	458	10.9	103	317	9.65	2.97	3.41	0.817	39.8	< 0.265	4.9	< 0.241
25-30	0.946	3.89	NDR 0.205	0.088	1.67	< 0.0486	< 0.0486	0.366	1.16	5.95	0.136	1.57	5.13	0.128	NDR 0.085	NDR 0.095	< 0.0486	1.05	< 0.0486	< 0.0486	< 0.0486
35-40	NDR 0.147	0.631	< 0.0472	< 0.0472	0.265	< 0.0472	< 0.0472	0.067	0.134	0.802	< 0.0472	0.223	0.63	< 0.0472	NDR 0.083	< 0.0472	< 0.0472	NDR 0.137	< 0.0472	< 0.0472	< 0.0472
Core 3																					
0-1	2.57	28.6	0.06	0.497	17.3	0.238	NDR 0.092	2.25	9.39	62	1.37	11.6	35.2	1.12	0.525	0.308	< 0.0477	4.44	< 0.0794	0.506	< 0.0708
1-2	2.57	30.1	NDR 0.061	0.743	15.6	< 0.198	< 0.203	2.26	8.38	59.7	1.29	11.3	34.4	0.94	0.244	0.281	< 0.0469	3.95	< 0.206	0.822	< 0.193
3-4	2.9	30.1	< 0.0472	0.561	17.7	0.168	0.094	2.55	10	64.7	1.49	12.8	38	1.13	0.298	0.331	< 0.0472	4.73	< 0.0884	0.575	< 0.0787
3-4 (Duplicate)	2.64	29.5	NDR 0.058	0.477	17.1	0.14	0.08	2.48	9.81	64.5	1.46	12.2	36.7	1.11	0.304	0.291	< 0.0469	4.5	< 0.0642	0.612	< 0.0572
6-7	2.84	30.7	0.057	0.639	18.2	0.18	0.082	2.55	10.6	67.7	1.57	12.9	38.8	1.16	0.269	0.292	< 0.0473	4.52	< 0.0714	0.654	< 0.0636
9-10	3.14	29.4	NDR 0.064	0.575	18.9	0.15	0.132	2.71	10.8	68.8	1.61	13.2	40.9	1.26	0.312	0.392	< 0.0466	5.19	< 0.0905	0.696	< 0.0806
12-14	4.28	43.8	0.086	0.88	29.9	0.265	0.19	4.06	17.2	105	2.44	19.5	62.9	1.85	0.476	0.5	< 0.0474	8.46	< 0.100	0.963	< 0.0892
14-16	6.1	50.6	0.106	1.96	39.6	0.368	NDR 0.292	5.81	21.5	130	3.04	25.2	88	2.46	0.548	0.713	< 0.0475	11.5	< 0.162	1.43	< 0.152
18-20	13.8	86.5	0.31	2.52	69.5	0.727	0.374	11	40.2	220	5.15	47.8	138	4.77	0.742	0.984	< 0.0473	17.8	< 0.172	1.22	< 0.153
25-30	14.8	101	0.312	3.51	91.6	0.749	0.607	13.9	53.6	288	7.36	57.9	189	7.07	1.04	1.45	< 0.0505	25.4	< 0.350	NDR 2.50	< 0.306
40-45	41.4	338	0.59	10.2	187	1.16	1	27.3	106	620	14	142	380	9.01	1.2	2.23	< 0.0470	35.9	< 0.553	6.18	< 0.525
Core 4																					
1-2	NDR 1.44	16.1	<0.0520	<0.153	8.19	<0.161	<0.158	1.3	3.84	29	0.74	6.12	17.9	0.463	NDR 0.201	0.149	<0.0520	1.7	<0.162	0.275	<0.147
14-16	1.46	14	0.079	<0.0800	8.7	<0.0759	<0.0763	1.27	4.78	31.4	0.799	6.12	19.1	0.558	0.182	0.191	<0.0494	1.88	<0.0808	0.271	<0.0745
14-16 (Duplicate)	1.92	17.7	0.112	<0.106	10.4	<0.111	<0.109	1.61	5.28	35	0.915	7.17	22.6	0.648	0.184	0.204	0.27	2.21	<0.111	0.317	<0.101
30-35	2.55	30.9	0.141	<0.128	15.6	<0.135	<0.132	2.23	8.29	58.6	1.37	10.8	35.3	0.967	0.296	0.286	<0.0500	3.6	<0.135	0.597	<0.123
Core 5																					
0-1	2.52	27.9	0.067	< 0.135	20.6	0.202	< 0.148	2.61	12.6	69.2	1.56	11.7	43.5	1.24	0.288	0.327	< 0.0486	6.5	< 0.135	NDR 0.578	< 0.118
1-2	1.64	18.7	<0.0521	<0.113	15.9	NDR 0.133	<0.108	1.83	9.86	56.7	1.16	8.38	36.7	0.902	0.266	0.288	<0.0521	3.79	<0.116	0.733	<0.108
3-4	4.22	46.9	0.096	1.42	34.1	0.265	< 0.195	4.17	19	126	2.67	19.7	76.9	1.95	0.548	0.607	< 0.0488	10.5	< 0.183	0.761	< 0.171
6-7	NDR 1.84	21.5	NDR 0.056	< 0.0744	17.1	0.156	0.136	2.05	10.2	58.5	1.39	9.4	36.9	1.09	0.287	0.301	< 0.0509	5.02	< 0.0744	NDR 0.556	< 0.0651
9-10	2.28	24.4	0.068	< 0.0803	20.5	0.136	NDR 0.127	2.3	12.2	67.8	1.66	10.7	42.9	1.26	0.311	0.343	< 0.0480	6.16	< 0.0802	NDR 0.679	< 0.0702
12-14	4.05	34.5	NDR 0.114	< 0.167	25.4	0.19	< 0.183	3.44	15.8	84.4	2.02	15.5	53.1	1.81	0.355	0.44	< 0.0484	7.33	< 0.167	0.688	< 0.146
14-16	4	45.8	0.072	<0.117	37.1	NDR 0.295	<0.111	4.49	23	133	3.07	20.3	87.3	2.38	NDR 0.565	0.726	<0.0464	10.2	<0.120	1.28	<0.112
18-20	3.55	33.2	0.105	1.17	26.5	0.238	0.245	3.47	16.1	88.2	2.03	15.1	56.9	1.79	0.392	0.517	< 0.0480	8.48	< 0.172	1.14	< 0.159
25-30	6.03	53.3	0.114	1.96	41.6	0.408	0.289	5.42	25.3	139	3.26	23.3	90.1	2.94	0.47	0.745	< 0.0478	13.2	< 0.172	1.19	< 0.159
45-50	13.1	117	NDR 0.290	<0.235	101	NDR 0.710	NDR 0.510	11.5	59.3	335	7.18	52.8	230	5.42	NDR 0.961	1.45	<0.0529	24.6	<0.237	2.99	<0.219

Table 7: Continued.

Sample Depth (cm)	CL4-PCB-50/53	CL4-PCB-52	CL4-PCB-54	CL4-PCB-55	CL4-PCB-56	CL4-PCB-57	CL4-PCB-58	CL4-PCB-59/62/75	CL4-PCB-60	CL4-PCB-61/70/74/76	CL4-PCB-63	CL4-PCB-64	CL4-PCB-66	CL4-PCB-67	CL4-PCB-68	CL4-PCB-72	CL4-PCB-73	CL4-PCB-77	CL4-PCB-78	CL4-PCB-79	CL4-PCB-80
Core 6																					
0-1	1.58	16.7	NDR 0.054	0.573	11.8	< 0.135	< 0.165	1.57	7.35	41.3	0.959	7.19	24.6	0.739	0.221	0.219	< 0.0469	3.66	< 0.139	0.385	< 0.129
1-2	NDR 1.32	14.7	< 0.0466	0.444	11.5	0.107	< 0.0955	1.34	7.03	38.4	0.928	6.45	23.7	0.806	0.228	0.249	< 0.0466	3.45	< 0.0807	0.322	< 0.0746
3-4	NDR 1.63	17.8	< 0.0473	0.652	12.9	0.168	< 0.189	1.75	8.06	44.4	0.964	7.49	27.6	0.787	0.241	0.211	< 0.0473	3.85	< 0.159	0.465	< 0.147
6-7	1.98	21.2	< 0.0468	0.858	15	< 0.124	< 0.152	2.04	9.46	52.7	1.19	8.99	31.8	1.06	0.232	0.291	< 0.0468	4.58	< 0.128	NDR 0.445	< 0.118
9-10	2.54	24.8	< 0.0488	0.671	16.8	0.173	< 0.204	2.05	10.1	58.3	1.36	10.1	35.2	1.12	0.28	0.291	< 0.0488	5.36	< 0.173	0.537	< 0.160
9-10 (Duplicate)	2.43	26.5	NDR 0.079	0.628	17.5	NDR 0.161	< 0.116	2.27	11	60.4	1.48	10.6	36.5	1.24	0.245	0.393	< 0.0488	5.59	< 0.0977	NDR 0.582	< 0.0903
12-14	2.47	24.8	< 0.0469	< 0.143	18.5	NDR 0.232	< 0.141	2.28	11.4	67.1	1.58	11	39.7	1.17	NDR 0.287	0.35	0.48	6.02	< 0.134	NDR 0.581	< 0.123
14-16	2.37	25.2	0.053	< 0.171	17.9	< 0.159	< 0.168	2.41	11	63.5	1.53	10.4	38.3	1.08	0.252	NDR 0.351	0.469	5.97	< 0.160	NDR 0.532	< 0.147
18-20	2.54	28.1	NDR 0.048	< 0.249	21.1	< 0.231	< 0.245	2.76	13.3	74.7	1.75	12.3	45.6	1.21	0.309	0.37	NDR 0.558	6.63	< 0.233	0.705	< 0.214
25-30	2.59	27.8	< 0.0532	< 0.211	26.7	0.272	< 0.208	2.67	16.9	93.2	2.17	12.1	57.7	1.64	NDR 0.489	0.495	0.542	8.08	< 0.197	0.776	< 0.182
40-45	3.59	36.4	0.061	< 0.316	33	0.303	< 0.311	3.74	20.2	114	2.81	15.8	70.2	2.22	0.425	0.665	0.777	9.21	< 0.295	1.04	< 0.272
Core 7																					
0-1	1.12	12.6	< 0.123	< 0.308	9.33	< 0.278	< 0.291	1.23	6.01	33.8	0.726	5.17	19.5	0.594	< 0.263	< 0.264	< 0.0991	NDR 2.90	< 0.307	NDR 0.441	< 0.266
1-2	1.14	13.6	<0.0474	<0.201	9.01	<0.192	<0.192	1.1	5.38	32.7	NDR 0.714	5.26	20	0.421	<0.179	<0.179	<0.0474	2.1	<0.206	0.345	<0.192
3-4	1.25	12.3	< 0.158	< 0.315	10.7	< 0.285	< 0.299	NDR 1.13	6.62	37	0.849	5.69	23.5	0.535	< 0.270	< 0.271	< 0.116	3.18	< 0.315	< 0.259	< 0.273
3-4 (Duplicate)	1.71	16	< 0.120	< 0.402	13.8	< 0.363	< 0.381	1.6	8.53	44.8	1.12	7.14	26.8	0.893	< 0.344	< 0.345	< 0.0857	4.86	< 0.402	0.478	< 0.348
6-7	NDR 1.42	15.6	< 0.0932	< 0.339	9.9	< 0.306	< 0.321	1.16	5.7	37.3	0.883	5.43	21.8	NDR 0.799	< 0.290	< 0.291	< 0.0736	3.11	< 0.338	0.512	< 0.293
9-10	1.09	9.25	< 0.0462	< 0.0831	7.01	< 0.0809	< 0.0856	0.873	4.29	24.3	0.565	4.16	14.5	0.452	< 0.0783	NDR 0.108	< 0.0462	2.36	< 0.0789	0.255	< 0.0738
12-14	1.8	14.9	< 0.213	< 0.210	11.7	< 0.190	< 0.199	1.47	7.39	40.1	1.12	6.41	25.6	0.653	0.289	NDR 0.201	< 0.147	3.81	< 0.210	0.389	< 0.182
14-16	1.83	16.3	<0.0501	<0.0838	11	0.099	NDR 0.107	1.49	6.25	38.2	0.865	6.57	23.9	0.719	0.217	0.328	<0.0501	2.42	<0.0860	NDR 0.596	<0.0801
18-20	3.3	25	0.167	< 0.413	20.6	< 0.373	< 0.391	2.88	12.3	66.5	1.39	12	41.3	NDR 1.10	< 0.354	< 0.354	< 0.124	5.37	< 0.412	NDR 0.610	< 0.357
25-30	< 0.155	1.73	< 0.194	< 0.137	0.875	< 0.124	< 0.130	0.181	0.621	3.53	< 0.122	0.56	2.04	< 0.112	< 0.118	< 0.118	< 0.124	NDR 0.335	< 0.137	< 0.113	< 0.119
40-44	NDR 0.160	0.767	<0.0500	<0.0500	0.58	<0.0500	<0.0500	0.072	0.307	1.79	<0.0500	NDR 0.290	1.04	NDR 0.055	<0.0500	<0.0500	<0.0500	NDR 0.177	<0.0500	<0.0500	<0.0500

Core Number/Sample Depth (cm)	CL4-PCB-50/53	CL4-PCB-52	CL4-PCB-54	CL4-PCB-55	CL4-PCB-56	CL4-PCB-57	CL4-PCB-58	CL4-PCB-59/62/75	CL4-PCB-60	CL4-PCB-61/70/74/76	CL4-PCB-63	CL4-PCB-64	CL4-PCB-66	CL4-PCB-67	CL4-PCB-68	CL4-PCB-72	CL4-PCB-73	CL4-PCB-77	CL4-PCB-78	CL4-PCB-79	CL4-PCB-80
8/1-2	3.2	35.7	NDR 0.084	0.67	18.8	< 0.159	< 0.164	2.47	11.5	72.7	1.31	11.6	44.2	1.03	0.272	0.291	< 0.0829	6.05	< 0.174	0.749	< 0.149
9/1-2	3.7	36	0.086	0.912	27.5	0.227	0.266	3.16	17.6	98.5	1.99	14	68.6	1.61	0.474	0.491	< 0.0843	9.52	< 0.179	0.937	< 0.154
10/0-1	5.8	60.6	< 0.208	< 0.406	33.7	< 0.375	0.451	4.71	18.8	124	2.61	17.5	88.9	1.69	0.931	0.862	< 0.208	14.9	< 0.410	1.82	< 0.352
11/0-1	4.05	37.6	< 0.131	< 0.211	21.8	< 0.195	NDR 0.204	3.28	13.5	82	1.9	12.3	57.8	1.24	0.519	0.499	< 0.131	9.63	< 0.214	0.898	< 0.183
12/0-1	4.07	38.8	NDR 0.124	< 0.143	19	NDR 0.140	NDR 0.141	2.75	11.9	73	1.44	11.2	50.4	1.15	0.298	0.387	< 0.0945	7.18	< 0.145	0.78	< 0.124
13/0-1	2.13	18.8	< 0.0723	0.444	12.1	0.09	< 0.0896	1.59	7.72	43.7	1.03	6.82	32.1	0.681	0.199	0.24	< 0.0723	4.3	< 0.0949	0.427	< 0.0815
14/0-1	3.83	39.6	0.084	1.12	27.2	0.201	< 0.125	3.49	16.3	96.5	1.99	16.7	62.1	1.49	0.422	0.435	< 0.0535	8.9	< 0.128	0.719	< 0.111
15/0-1	0.838	8.48	< 0.0505	0.177	4.4	< 0.0878	< 0.0900	0.703	2.73	16.5	0.407	3.18	9.31	0.275	< 0.0831	< 0.0830	< 0.0505	1.18	< 0.0919	NDR 0.164	< 0.0795
16/0-1	2.26	29	NDR 0.058	< 0.126	13.1	< 0.121	< 0.119	1.93	8.62	53.4	1.2	9.25	29.6	0.789	0.213	0.259	< 0.0501	3.81	< 0.129	0.309	< 0.110
17/0-1	4.87	47.2	< 0.130	< 0.324	24.2	< 0.311	< 0.307	3.95	15.4	93.9	1.66	17.8	63.7	1.19	0.424	NDR 0.426	< 0.130	8.31	< 0.333	NDR 0.630	< 0.284
18/0-1	0.918	11	< 0.0452	< 0.131	5.59	< 0.126	< 0.124	0.876	3.52	20.3	0.44	3.95	11.4	0.331	< 0.135	< 0.127	< 0.0452	1.72	< 0.135	0.178	< 0.115
19/0-1	1.61	18	0.051	< 0.246	9.79	< 0.236	< 0.233	1.52	6.14	37.4	0.865	7.13	22.5	0.631	< 0.253	< 0.238	< 0.0473	3.05	< 0.253	NDR 0.260	< 0.216
20/0-1	5.34	53.1	NDR 0.094	1.65	32	< 0.209	< 0.207	4.54	21.3	120	2.52	19.4	76.7	1.71	0.503	0.543	< 0.0611	9.91	< 0.225	0.517	< 0.192
21/0-1	13	152	< 0.267	< 0.867	52.4	< 0.832	< 0.821	9.65	31.8	195	4.22	37.5	119	2.4	1.77	1.4	< 0.267	22.2	< 0.892	NDR 1.87	< 0.761
22/0-1	2.7	26.5	< 0.130	< 0.206	13.1	< 0.197	< 0.195	1.95	8.65	48.4	1.25	8.32	33.6	NDR 0.688	0.257	NDR 0.256	< 0.130	4.41	< 0.212	NDR 0.417	< 0.180
Sediment Traps																					
A1 TOP	2.38	27.3	NDR 0.063	0.618	12.9	< 0.305	< 0.306	2.06	6.53	47.9	1.11	9.52	28.4	0.797	< 0.267	< 0.296	< 0.0491	3.04	< 0.308	0.586	< 0.292
A1 BOT	2.64	26.6	0.068	0.591	14.9	< 0.161	< 0.162	2.09	8.08	50.5	1.13	10.5	31.2	0.817	NDR 0.224	0.252	< 0.0486	3.35	< 0.163	0.496	< 0.154
B1 TOP	2.63	20.8	0.067	0.633	11.8	< 0.128	< 0.128	1.97	6.87	39.1	0.937	8.85	24.2	0.732	NDR 0.123	NDR 0.154	< 0.0489	2.84	< 0.129	0.355	< 0.122
B1 BOT	1.36	15.2	< 0.0492	0.549	8.94	NDR 0.074	< 0.0642	1.22	5.08	30.1	0.702	5.58	19.5	0.552	NDR 0.178	0.152	0.066	2.54	< 0.0645	0.294	< 0.0612

Table 7: Continued.

Sample Depth (cm)	CL4-PCB-81	CL5-PCB-82	CL5-PCB-83/99	CL5-PCB-84	CL5-PCB-85/116/117	CB-86/87/97/108/119/125	CL5-PCB-88/91	CL5-PCB-89	CL5-PCB-90/101/113	CL5-PCB-92	CL5-PCB-93/95/98/100/102	CL5-PCB-94	CL5-PCB-96	CL5-PCB-103	CL5-PCB-104	CL5-PCB-105	CL5-PCB-106	CL5-PCB-107/124
Core 1																		
0-1	NDR 0.480	15.2	93.8	24.8	27.6	78.9	15.1	1.26	113	20.7	78.7	0.563	NDR 0.536	1.02	NDR 0.098	63.3	< 0.184	4.91
1-2	< 0.470	12.1	70	21.6	21.7	63.7	11.9	1.25	93.6	16.4	67.6	0.456	0.48	NDR 0.848	< 0.0725	52.3	< 0.336	3.84
3-4	0.533	18.5	124	30.9	35.4	94	20.3	1.84	143	25.1	105	0.743	0.842	1.47	< 0.0496	76.8	< 0.139	5.69
6-7	NDR 0.583	17	115	27	33	89.4	17.3	1.68	131	22.3	86.9	0.68	0.591	1.2	< 0.0482	72	< 0.0647	6.33
9-10	0.584	19.2	131	34	34.4	95	22.7	1.92	148	26.4	109	0.794	0.928	1.82	< 0.0497	74.9	< 0.141	5.7
12-14	0.749	20.8	161	42.2	38.5	110	29.8	2.27	175	31.6	136	1.06	1.22	2.61	NDR 0.055	85.7	< 0.173	6.37
14-16	0.458	13.3	99.2	31.5	23.8	72.2	20.6	1.61	120	22.4	95	0.813	0.84	1.91	< 0.0576	54.3	< 0.180	4.16
18-20	NDR 0.181	4.11	35.5	9.19	7.34	22.4	7.09	0.515	38	6.77	31.3	0.306	0.299	0.852	< 0.0469	17	< 0.0839	1.24
25-30	< 0.152	0.387	2.3	NDR 0.928	0.62	2.48	0.537	< 0.0748	3.29	0.572	2.86	< 0.0776	< 0.0461	NDR 0.069	< 0.0461	1.35	< 0.0831	0.198
50-55	< 0.0449	0.295	1.74	0.635	0.492	1.44	NDR 0.398	< 0.0722	2.08	0.41	1.86	< 0.0703	< 0.0449	< 0.0616	< 0.0449	0.884	< 0.120	< 0.124
Core 2																		
0-1	0.278	14.5	69	30.5	22.6	79.4	14.4	1.69	123	22.2	91.5	0.498	0.607	1.01	< 0.0471	47.2	< 0.160	4.44
1-2	NDR 0.572	29.2	125	64.6	42.3	155	28.8	3.24	230	41.6	204	NDR 0.951	1.28	1.93	< 0.0474	104	< 0.507	9.49
3-4	NDR 0.562	33.6	150	80.5	48.9	194	36.3	3.87	317	54.7	273	1.34	1.33	2.36	NDR 0.056	125	< 1.44	9.36
6-7	0.692	30.3	141	61.2	46.5	157	29.1	3.53	225	39.7	174	0.959	1.1	2.27	< 0.0478	97.9	< 0.254	8.67
9-10	0.833	48.3	247	111	76.5	274	53.8	6	446	77.3	357	1.82	2.12	3.62	< 0.0491	192	< 0.994	13.1
12-14	0.676	30.8	182	75	49.6	164	36.5	5.41	280	50.3	234	1.33	1.43	3.51	< 0.0462	115	< 0.573	7.74
14-16	NDR 1.43	77.9	366	188	117	425	89.2	11.5	638	123	580	3.3	4.05	7.74	NDR 0.086	253	< 0.338	23.5
14-16 (Duplicate)	NDR 1.66	66.7	310	152	97.5	346	73.1	10.9	554	103	512	2.77	3.49	7.55	0.074	213	< 0.327	19.3
18-20	1.52	73.1	353	164	112	342	82.3	13.7	546	103	473	3.33	3.63	8.35	NDR 0.109	209	< 0.718	17.5
25-30	NDR 0.087	1.45	6.68	3.87	2.59	6.7	NDR 2.07	0.434	6.95	1.35	11.1	NDR 0.101	0.112	0.29	0.068	4.56	< 0.0848	NDR 0.243
35-40	< 0.0472	NDR 0.125	0.73	0.312	0.201	0.567	0.176	< 0.0675	0.877	0.174	0.979	< 0.0657	< 0.0472	< 0.0576	< 0.0472	0.302	< 0.108	< 0.112
Core 3																		
0-1	0.165	6.15	31.9	10.2	9.99	33.2	5.88	0.566	46.7	8.46	32	0.251	0.275	0.432	< 0.0477	23.2	< 0.125	1.9
1-2	NDR 0.312	7.56	37.5	12.9	12.6	45.1	6.96	0.709	62.4	10.9	37.7	0.277	NDR 0.286	0.395	< 0.0469	32.4	< 0.171	2.93
3-4	0.138	6.16	32.4	10.4	10	34.6	5.92	0.61	48.3	8.65	33.4	0.24	0.312	0.407	< 0.0472	24	< 0.0902	2.04
3-4 (Duplicate)	0.146	6.42	34	10.6	10.2	34.9	6.35	0.6	48.4	8.64	34.6	0.274	0.312	0.387	< 0.0469	24.5	< 0.0639	1.9
6-7	0.185	6.92	35.7	11.6	10.9	38.1	6.8	0.662	52.9	9.39	36.8	0.29	0.307	0.414	< 0.0473	25.9	< 0.103	2.14
9-10	0.204	7.13	37.5	12	11.6	38	6.87	0.672	52.8	9.61	37.6	0.288	0.351	0.482	< 0.0466	26.1	< 0.0868	2.23
12-14	0.347	10.7	53.4	17.7	16.9	55.4	10.2	1.13	72.6	13	53.3	0.374	0.479	0.682	< 0.0474	39.4	< 0.127	3.23
14-16	NDR 0.576	11.3	55.4	18.6	18.1	56.3	10.3	1.19	75.9	13.8	55.1	< 1.04	0.544	< 0.914	< 0.0664	43.6	< 0.288	3.48
18-20	0.663	16.6	77.7	27.3	24.7	76.9	15.7	2.08	98	17.9	77.7	0.642	0.833	1.2	< 0.0473	57.2	< 0.0721	4.42
25-30	1.27	24.5	195	37.9	38.1	107	24	< 0.175	137	25.9	105	0.997	1.34	1.89	< 0.0585	83.9	< 0.153	6.53
40-45	NDR 1.59	66.3	279	133	98.7	320	68.2	9.44	404	74.2	330	2.64	3.98	NDR 3.43	NDR 0.055	191	< 0.722	16.6
Core 4																		
1-2	<0.144	2.32	13.4	4.42	4.18	11.8	2.71	<0.174	17	3.48	12.8	<0.164	NDR 0.156	0.163	<0.0768	8.23	<0.225	NDR 0.757
14-16	0.068	2.57	13	4.55	4.43	13.1	2.82	<0.0823	18.6	3.56	13.2	NDR 0.118	NDR 0.176	NDR 0.170	<0.0494	8.66	<0.0898	0.785
14-16 (Duplicate)	0.112	2.84	13.8	4.61	4.63	13.3	2.7	0.279	18.1	3.37	13.6	<0.139	NDR 0.154	NDR 0.190	<0.0499	9.71	<0.188	0.802
30-35	0.128	5.37	27.7	9.89	8.77	28.3	5.71	0.604	40.8	7.56	30.2	NDR 0.276	0.27	0.367	<0.0519	20	<0.217	2.05
Core 5																		
0-1	NDR 0.279	5.37	49.4	7.58	9.6	26.4	4.56	< 0.0940	36.5	6.69	22.6	0.194	NDR 0.196	0.283	< 0.0532	24.2	< 0.0967	1.7
1-2	0.136	4.27	20.5	5.59	6.94	20	3.28	0.316	30.3	5.29	19	NDR 0.145	0.142	NDR 0.176	<0.0521	15.7	<0.170	1.54
3-4	NDR 0.368	6.74	41.7	11	13.9	38.7	6.74	0.635	55.5	9.52	34.6	0.23	NDR 0.294	0.402	< 0.0488	37.5	< 0.116	2.5
6-7	NDR 0.168	4.35	41.2	6.19	8.08	22.1	3.8	< 0.0786	29.5	5.23	18.4	NDR 0.126	0.159	0.238	< 0.0542	20.5	< 0.164	1.54
9-10	0.132	5.05	50	7.67	9.83	26.8	4.48	< 0.0904	36.5	6.43	22.4	NDR 0.195	NDR 0.233	0.299	< 0.0489	25.3	< 0.133	1.85
12-14	0.295	6.5	57.5	9.47	11.1	31.8	5.48	< 0.0857	42.6	7.6	27.1	NDR 0.177	0.297	NDR 0.329	< 0.0534	30.8	< 0.107	2.11
14-16	0.247	11	54.2	15.2	19.2	53.1	8.28	0.874	73.9	13.1	44.7	0.339	NDR 0.404	0.524	<0.0464	39.3	<0.299	3.57
18-20	NDR 0.384	7.06	35.8	9.83	12.4	33.3	5.63	0.586	44.9	7.98	28.6	0.261	0.283	0.396	NDR 0.067	31.3	< 0.122	2.54
25-30	NDR 0.530	11.1	54.3	15.6	18.7	52.1	9.53	0.994	69.3	12.8	48.5	0.347	0.408	0.563	< 0.0562	47.6	< 0.111	3.32
45-50	0.886	27	107	39.3	38.9	111	21.1	2.94	144	27.2	103	0.753	1.19	1.31	<0.0529	87.8	<0.643	5.81

Table 7: Continued.

Sample Depth (cm)	CL4-PCB-81	CL5-PCB-82	CL5-PCB-83/99	CL5-PCB-84	CL5-PCB-85/116/117	CB-86/87/97/108/119/125	CL5-PCB-88/91	CL5-PCB-89	CL5-PCB-90/101/113	CL5-PCB-92	CL5-PCB-93/95/98/100/102	CL5-PCB-94	CL5-PCB-96	CL5-PCB-103	CL5-PCB-104	CL5-PCB-105	CL5-PCB-106	CL5-PCB-107/124
Core 6																		
0-1	NDR 0.152	2.98	16.3	4.2	5.63	15.6	2.55	0.26	21.6	3.8	13.2	NDR 0.120	NDR 0.113	0.213	< 0.0469	14	< 0.127	1.05
1-2	NDR 0.198	3.13	15.5	4.06	5.13	14.5	2.53	0.25	20.3	3.34	12.2	0.11	0.091	0.184	< 0.0466	13.5	< 0.114	1.03
3-4	< 0.172	3.38	17.3	4.38	5.63	16.1	2.78	0.301	22.9	3.73	13.6	< 0.0923	NDR 0.098	0.169	< 0.0512	15.1	< 0.153	0.999
6-7	NDR 0.170	3.77	19.9	5.27	6.83	18.8	3.01	NDR 0.292	25.9	4.53	16.8	NDR 0.124	0.167	NDR 0.211	< 0.0477	17.8	< 0.136	1.24
9-10	NDR 0.218	4.7	26.1	7.43	8.69	25.5	4.39	NDR 0.430	34.9	5.91	21.5	0.141	0.235	NDR 0.250	< 0.0488	21.3	< 0.111	1.65
9-10 (Duplicate)	NDR 0.174	4.78	26.3	7.16	8.45	25	4.41	NDR 0.434	35.3	6.05	21.3	0.155	NDR 0.169	0.254	< 0.0488	21.9	< 0.0877	1.7
12-14	NDR 0.240	4.89	25.4	6.68	8.54	25	4.27	< 0.0781	33.8	6.14	21.1	NDR 0.174	0.189	0.276	< 0.0469	22.6	< 0.106	1.93
14-16	0.233	4.82	24.2	6.57	8.43	24.3	4.18	< 0.0503	34.8	5.77	20.9	NDR 0.168	NDR 0.205	0.337	< 0.0472	22.6	< 0.148	1.78
18-20	NDR 0.409	5.25	28.9	7.29	9.82	28	4.73	0.548	38.4	6.39	22.7	0.246	0.188	NDR 0.292	< 0.0488	26.7	< 0.222	1.76
25-30	0.284	4.97	24.1	6.75	9.04	24.5	4.09	< 0.0711	33.5	6.09	20.7	NDR 0.149	0.216	NDR 0.225	< 0.0521	29	< 0.166	2.31
40-45	< 0.311	6.26	30.8	8.54	11	31.3	5.03	< 0.0540	42.3	7.71	26.3	NDR 0.221	0.249	0.388	< 0.0481	32.8	< 0.173	NDR 2.54
Core 7																		
0-1	< 0.334	NDR 2.13	11	3.43	NDR 4.19	10.8	1.9	< 0.361	16.3	NDR 2.56	10.7	< 0.352	< 0.168	< 0.292	< 0.197	12.1	< 0.233	0.723
1-2	<0.156	2.81	13.9	4.43	4.7	14.2	2.46	0.233	20.9	3.74	13.3	0.084	0.12	NDR 0.151	<0.0474	9.81	<0.0818	1.01
3-4	< 0.333	NDR 2.62	11.9	3.54	NDR 4.56	11.9	1.82	< 0.329	16.5	2.54	9.87	< 0.321	< 0.130	< 0.267	< 0.158	12.2	< 0.247	0.84
3-4 (Duplicate)	< 0.427	3.31	17.1	4.54	5.9	17.4	2.86	< 0.263	23.1	3.95	14.1	< 0.257	< 0.165	< 0.213	< 0.217	18.3	< 0.480	NDR 1.03
6-7	< 0.365	2.82	16.5	4.71	5.48	17.8	2.77	< 0.203	25.5	4.8	15.6	< 0.198	< 0.167	< 0.164	< 0.202	16	< 0.288	NDR 1.29
9-10	NDR 0.107	1.86	10.1	2.64	3.31	9.48	1.61	< 0.0462	12.8	2.29	8.47	NDR 0.088	0.085	0.155	< 0.0462	8.22	< 0.0734	0.7
12-14	< 0.218	2.66	13	4.78	4.16	12.5	2.64	< 0.226	16.1	3.34	12.4	< 0.221	< 0.150	< 0.183	< 0.193	11.4	< 0.287	0.84
14-16	0.126	3.19	16.8	5.58	4.93	14.8	3.22	0.298	22.2	4.49	16.2	0.168	NDR 0.175	0.34	<0.0501	9.61	<0.153	0.849
18-20	< 0.429	3.58	17.3	6.42	6.48	17.2	3.64	< 0.326	22.8	3.81	15.9	< 0.318	NDR 0.222	NDR 0.267	< 0.138	17.7	< 0.347	NDR 1.13
25-30	< 0.142	< 0.256	1.37	< 0.251	NDR 0.978	1.19	< 0.225	< 0.235	1.69	NDR 0.398	NDR 1.23	< 0.230	< 0.181	< 0.191	< 0.259	NDR 1.24	< 0.147	< 0.164
40-44	<0.0500	NDR 0.131	0.546	NDR 0.193	0.156	0.617	0.141	<0.0500	0.825	0.165	0.746	<0.0500	0.05	<0.0500	<0.0500	0.402	<0.0500	<0.0500

Core Number/Sample Depth (cm)	CL4-PCB-81	CL5-PCB-82	CL5-PCB-83/99	CL5-PCB-84	CL5-PCB-85/116/117	CB-86/87/97/108/119/125	CL5-PCB-88/91	CL5-PCB-89	CL5-PCB-90/101/113	CL5-PCB-92	CL5-PCB-93/95/98/100/102	CL5-PCB-94	CL5-PCB-96	CL5-PCB-103	CL5-PCB-104	CL5-PCB-105	CL5-PCB-106	CL5-PCB-107/124
8/1-2	0.294	7.63	38.6	13.6	13.2	41.3	7.41	0.726	54.5	9.54	43.3	NDR 0.218	0.296	0.411	< 0.0829	28.6	< 0.134	2.3
9/1-2	0.332	7.91	42	11	14.2	38.3	6.35	0.65	50.8	9.07	33.7	0.227	0.283	0.462	< 0.0843	33.9	< 0.117	2.61
10/0-1	NDR 0.450	13.5	81.4	21.3	25.8	68.6	13.3	1.15	98.5	17.8	68.9	NDR 0.584	0.525	0.938	< 0.208	55.1	< 0.325	4.41
11/0-1	NDR 0.363	7.88	47.1	11.8	15	39.2	7.54	0.828	55.9	10	39.5	NDR 0.344	NDR 0.284	0.457	< 0.131	33.5	< 0.239	2.42
12/0-1	0.218	7.83	38	13.3	12.9	40	6.83	0.664	53.4	10	41.2	NDR 0.229	0.295	0.384	< 0.0945	30	< 0.138	2.43
13/0-1	0.153	4.21	20.8	6.24	7.59	20.1	3.68	0.324	26.2	4.71	19.3	NDR 0.132	0.152	0.225	< 0.0723	17	< 0.119	1.25
14/0-1	0.365	9.03	45.5	14.4	15	46	8.27	0.864	59.6	10.4	46.8	NDR 0.444	0.346	NDR 0.652	< 0.0535	36.7	< 0.109	2.63
15/0-1	< 0.0823	1.51	7.98	2.35	2.59	7.69	1.4	NDR 0.148	11	1.85	7.84	< 0.0854	NDR 0.063	< 0.0698	< 0.0505	5.68	< 0.0586	0.482
16/0-1	< 0.123	5.31	24.9	8.45	8.45	26.5	4.57	0.415	37	6.33	25.4	0.137	0.186	0.255	< 0.0501	19.6	< 0.173	1.52
17/0-1	< 0.326	9.62	45.3	13.8	17.4	46.2	8.44	0.715	59.8	10.9	43.4	0.276	0.272	NDR 0.541	< 0.130	35.5	< 0.451	NDR 2.30
18/0-1	< 0.125	1.77	9.51	2.47	3.07	8.79	1.48	NDR 0.141	12.6	2.2	7.93	< 0.0452	0.07	0.104	< 0.0452	7.28	< 0.0827	0.53
19/0-1	< 0.236	3.43	17.2	4.63	6.02	8.85	2.98	NDR 0.284	23.8	4	13.4	0.126	NDR 0.101	NDR 0.209	< 0.0473	14.1	< 0.161	0.998
20/0-1	NDR 0.363	10.9	53.3	16.4	18.9	52.9	9.42	NDR 1.00	71.3	12.1	51	0.309	0.308	0.719	< 0.0611	41.2	< 0.331	3.09
21/0-1	< 0.818	29.1	165	49.6	51.3	149	29	2.61	233	38.8	166	0.956	1.04	1.98	< 0.267	105	< 1.12	7.98
22/0-1	< 0.201	5.07	26.4	7.5	8.76	24.4	4.48	0.489	33.1	6.14	24.3	NDR 0.186	0.19	0.319	< 0.130	19.5	< 0.243	1.42
Sediment Traps																		
A1 TOP	< 0.310	4.25	27.1	8.99	7.83	28.2	5.02	0.455	41.7	7.71	28.3	0.205	0.252	NDR 0.302	< 0.0491	17.9	< 0.174	1.81
A1 BOT	NDR 0.165	4.78	26.1	9.44	8.42	28.1	4.84	NDR 0.455	38.5	7	26.9	NDR 0.185	0.262	0.289	< 0.0486	18.6	< 0.111	1.81
B1 TOP	NDR 0.145	2.5	13.2	5.02	4.27	13.9	2.6	0.309	19.2	3.27	13.8	< 0.194	NDR 0.181	0.172	< 0.0489	10.9	< 0.109	0.895
B1 BOT	NDR 0.073	2.74	15.7	5.11	4.87	15.5	2.72	0.262	22.4	4.06	14.6	0.111	NDR 0.132	0.156	< 0.0492	11.7	< 0.161	1.01

Table 7: Continued.

Sample Depth (cm)	CL5-PCB-109	CL5-PCB-110/115	CL5-PCB-111	CL5-PCB-112	CL5-PCB-114	CL5-PCB-118	CL5-PCB-120	CL5-PCB-121	CL5-PCB-122	CL5-PCB-123	CL5-PCB-126	CL5-PCB-127	CL6-PCB-128/166	CL6-PCB-129/138/160/163	CL6-PCB-130	CL6-PCB-131	CL6-PCB-132	CL6-PCB-133
Core 1																		
0-1	12.7	130	NDR 0.214	< 0.0619	2.49	142	0.831	NDR 0.087	1.54	2.43	0.884	< 0.180	27.8	175	10.7	1.53	43.3	2.66
1-2	9.13	99.2	0.107	< 0.0735	1.95	118	0.538	NDR 0.078	1.36	2.26	0.575	< 0.369	20.8	129	7.97	1.11	31.6	1.85
3-4	14.2	152	NDR 0.257	< 0.0496	2.59	174	1.02	0.098	1.72	3.04	1.21	< 0.136	33.9	216	12.9	1.6	51.8	3.57
6-7	14.6	147	0.263	< 0.0482	2.59	165	1.13	0.111	1.85	2.83	1.08	NDR 0.239	31.2	205	11.9	1.43	46.1	3.06
9-10	15.2	154	0.309	< 0.0497	2.6	174	1.19	NDR 0.126	1.78	2.94	1.15	0.256	31	194	11.5	1.66	48.3	3.25
12-14	17	185	0.404	< 0.0470	2.75	198	1.69	0.172	2.11	3.44	1.44	0.237	32.2	209	12.3	1.65	51.7	3.59
14-16	11.2	118	NDR 0.245	< 0.0576	1.71	132	1.12	NDR 0.157	1.64	2.07	0.897	0.249	18.9	116	8.28	1.06	29.3	2.03
18-20	3.63	39.3	0.198	< 0.0469	0.604	40.5	0.529	0.074	0.486	0.767	0.547	NDR 0.096	6.38	43.3	2.9	0.401	10.3	0.971
25-30	0.326	3.42	< 0.0540	< 0.0502	NDR 0.213	3.18	NDR 0.054	< 0.0545	< 0.0928	NDR 0.102	< 0.0920	< 0.0844	NDR 0.645	3.99	NDR 0.227	< 0.113	1.2	< 0.111
50-55	0.204	2.15	< 0.0532	< 0.0517	< 0.111	2.09	< 0.0526	< 0.0524	< 0.129	< 0.114	< 0.125	< 0.124	0.365	2.15	0.19	< 0.0449	0.525	NDR 0.070
Core 2																		
0-1	8.2	142	NDR 0.058	< 0.0471	2.25	109	0.36	< 0.0471	1.38	1.92	NDR 0.407	0.201	32.4	205	12.3	2.41	63.9	2.75
1-2	17.1	275	NDR 0.079	< 0.0700	4.88	250	NDR 0.649	< 0.0700	3.53	4.88	0.894	1.11	77.6	476	31.7	6.23	159	6.01
3-4	17.3	348	< 0.164	< 0.180	5.73	313	NDR 0.752	< 0.168	NDR 2.63	4.86	< 2.06	< 1.41	72.2	467	28.1	5.85	155	6.4
6-7	17.3	287	NDR 0.135	< 0.0829	4.45	228	0.926	0.086	2.78	3.71	0.895	0.536	66.7	393	25.1	4.67	129	5.58
9-10	26.1	502	NDR 0.141	< 0.0581	9.02	468	0.952	NDR 0.164	4.75	7.61	1.55	< 0.978	110	685	41.5	8.05	215	9.26
12-14	16.3	298	0.132	< 0.0489	4.92	272	0.935	NDR 0.167	2.95	4.91	1.08	< 0.564	70.2	442	27.8	4.92	141	6.44
14-16	44.5	759	NDR 0.302	< 0.160	12	612	2.2	0.278	8.65	11.4	1.79	1.78	168	1070	71.6	14.1	383	15.3
14-16 (Duplicate)	39.7	645	NDR 0.340	< 0.176	9.96	524	2.36	0.274	7.48	8.97	1.98	1.39	148	1020	67.8	12.7	365	15.2
18-20	37.7	649	NDR 0.409	< 0.118	9.01	473	2.68	NDR 0.277	6.39	8.85	1.83	< 0.740	138	884	56.1	10.1	301	12.9
25-30	0.6	14.1	0.082	< 0.0486	NDR 0.230	11.1	0.116	< 0.0486	NDR 0.161	0.265	NDR 0.212	< 0.0835	3.63	19.2	1.45	NDR 0.225	6.12	NDR 0.366
35-40	< 0.101	1.01	< 0.0497	< 0.0483	< 0.0969	0.691	< 0.0491	< 0.0489	< 0.116	< 0.101	< 0.112	< 0.112	0.197	1.27	NDR 0.126	< 0.0472	0.445	< 0.0472
Core 3																		
0-1	3.64	53.4	< 0.0477	< 0.0477	1.16	51.7	0.17	< 0.0477	0.606	1.3	0.317	< 0.131	10.7	65.8	4.14	0.669	18.9	1.05
1-2	5.42	71.1	< 0.0519	< 0.0522	1.71	75.1	NDR 0.162	< 0.0521	0.98	1.95	0.43	< 0.177	16.4	94	6.24	1.25	27.9	1.36
3-4	3.73	54.6	< 0.0492	< 0.0492	1.27	53.6	NDR 0.193	< 0.0492	0.628	1.58	0.373	< 0.0946	12.5	87.5	4.92	0.844	24.8	1.3
3-4 (Duplicate)	3.88	56.7	< 0.0469	< 0.0469	1.27	54.8	NDR 0.170	< 0.0469	0.651	1.34	0.261	< 0.0670	11.9	74.4	4.69	0.822	20.6	1.07
6-7	4.05	60.5	< 0.0555	< 0.0556	1.38	57.9	0.196	NDR 0.058	0.687	1.4	0.271	< 0.109	12.2	76.1	4.64	NDR 0.848	22.3	1.05
9-10	4.5	63.1	0.058	< 0.0466	1.32	58.5	0.282	< 0.0466	0.682	1.24	0.345	< 0.0910	12.7	76.1	4.86	0.784	22.1	1.1
12-14	6.27	90.3	0.069	< 0.0474	2.03	86.7	0.33	< 0.0474	1.1	1.71	0.455	< 0.133	16.7	101	6.3	1.04	30.1	1.45
14-16	8	91.7	< 0.773	< 0.777	2.01	96.8	< 0.758	< 0.777	NDR 1.38	1.97	0.562	< 0.299	19.1	117	8.04	1.26	36.4	1.89
18-20	8.62	124	0.097	< 0.0473	2.93	123	0.516	< 0.0473	1.72	2.45	0.609	0.29	24	144	9.59	1.53	44.9	2.17
25-30	12.8	173	< 0.120	< 0.118	4.33	174	0.858	< 0.123	2.52	4.16	0.856	< 0.157	31.5	191	13.3	2.41	62.8	3.35
40-45	30.7	457	NDR 0.126	< 0.109	11.3	394	0.818	< 0.118	7.35	8.96	1.23	0.805	74.2	450	32	6.53	160	5.95
Core 4																		
1-2	1.53	19.6	<0.124	<0.113	0.449	18.2	<0.121	<0.121	0.304	0.54	<0.256	<0.247	3.78	23.3	1.54	NDR 0.244	6.12	NDR 0.400
14-16	1.78	21.2	<0.0575	<0.0578	0.458	19.2	NDR 0.126	<0.0587	0.34	NDR 0.414	0.111	<0.0932	4.72	27.3	1.99	0.275	7.44	0.474
14-16 (Duplicate)	NDR 1.71	21.3	<0.105	<0.0958	NDR 0.478	21.3	<0.103	<0.103	NDR 0.303	0.651	<0.219	<0.206	4.31	25	1.76	0.251	6.88	0.413
30-35	3.56	46.3	<0.131	<0.119	0.905	45.6	NDR 0.155	<0.128	NDR 0.614	0.981	<0.245	<0.238	9.74	54.2	3.93	0.646	15.8	NDR 0.821
Core 5																		
0-1	3.72	42	< 0.0647	< 0.0637	NDR 1.09	50.5	NDR 0.235	< 0.0664	0.514	1.02	NDR 0.268	< 0.0993	8.37	52.9	3.49	0.479	12.6	NDR 0.836
1-2	3.19	33.8	<0.0709	<0.0688	0.687	33.9	0.245	<0.0685	NDR 0.556	0.863	NDR 0.246	<0.176	8.98	60.3	3.91	0.435	15.1	0.89
3-4	6.3	60.2	NDR 0.101	< 0.0488	1.6	77	0.35	NDR 0.052	1.05	1.6	0.548	0.126	12	86.7	4.8	NDR 1.75	19.1	1.16
6-7	3.24	34.7	< 0.0541	< 0.0532	0.942	42.8	NDR 0.206	< 0.0554	NDR 0.464	0.999	NDR 0.285	< 0.169	7.32	45.6	2.87	0.31	11	0.694
9-10	3.76	41.3	NDR 0.065	< 0.0613	1.19	51.7	NDR 0.263	< 0.0638	0.8	0.998	0.29	< 0.136	9.3	55.6	3.77	0.439	13.7	0.796
12-14	4.66	50.3	< 0.0589	< 0.0581	NDR 1.40	63.2	NDR 0.290	< 0.0605	NDR 0.734	1.23	0.305	< 0.110	15.2	79.6	5.05	0.737	18.6	1.07
14-16	7.55	84.8	NDR 0.071	<0.0505	1.52	86.2	0.495	NDR 0.051	1.16	1.79	0.589	<0.311	20.2	117	7.82	0.94	28.1	1.74
18-20	4.61	51.4	0.105	< 0.0645	1.47	65.8	0.363	< 0.0703	0.871	1.66	0.553	< 0.126	11.3	70.9	4.32	0.668	17.9	1.16
25-30	6.82	77.6	NDR 0.142	< 0.0495	2.3	96.8	NDR 0.445	0.089	1.32	2.16	0.557	< 0.115	16.9	102	6.93	0.857	27.1	1.68
45-50	15.9	167	NDR 0.154	<0.0603	4.05	178	0.782	NDR 0.071	2.74	3.37	0.756	<0.668	36	190	13.5	1.78	54.8	3

Table 7: Continued.

Sample Depth (cm)	CL5-PCB-109	CL5-PCB-110/115	CL5-PCB-111	CL5-PCB-112	CL5-PCB-114	CL5-PCB-118	CL5-PCB-120	CL5-PCB-121	CL5-PCB-122	CL5-PCB-123	CL5-PCB-126	CL5-PCB-127	CL6-PCB-128/166	CL6-PCB-129/138/160/163	CL6-PCB-130	CL6-PCB-131	CL6-PCB-132	CL6-PCB-133
Core 6																		
0-1	2.31	23.6	< 0.0469	< 0.0469	0.699	29.9	0.187	< 0.0469	0.396	0.658	NDR 0.172	< 0.131	4.83	30.1	2.06	0.22	7.09	0.413
1-2	2.09	22.8	< 0.0466	< 0.0466	0.629	27.9	0.158	< 0.0466	0.397	0.523	NDR 0.195	< 0.119	4.59	29	1.86	0.24	6.8	0.512
3-4	2.19	24.9	NDR 0.066	< 0.0582	0.65	31	NDR 0.163	< 0.0634	0.377	0.665	NDR 0.188	< 0.159	4.72	31.6	1.98	0.348	7.53	NDR 0.536
6-7	2.6	28.7	< 0.0502	< 0.0477	0.752	35.2	NDR 0.172	< 0.0520	0.435	0.874	0.277	< 0.141	5.73	37.3	2.63	NDR 0.279	8.55	0.525
9-10	3.16	36.9	< 0.0488	< 0.0488	1.17	44.1	0.176	< 0.0494	0.686	0.872	NDR 0.277	< 0.115	7.26	44.8	2.91	0.37	11.4	0.686
9-10 (Duplicate)	3.35	38.1	NDR 0.050	< 0.0488	1.03	46	NDR 0.167	< 0.0488	0.602	1.11	0.37	< 0.0908	7.53	47.1	3.31	NDR 0.443	12	0.771
12-14	3.81	38	< 0.0534	< 0.0533	1.1	47	NDR 0.243	< 0.0555	0.628	0.986	NDR 0.326	< 0.109	7.6	48	3.11	0.372	11.3	0.782
14-16	3.72	37.7	< 0.0472	< 0.0472	1.09	46.9	0.291	< 0.0472	NDR 0.544	0.964	NDR 0.468	< 0.152	7.68	55.7	3.12	0.44	13.5	0.724
18-20	4.47	42.3	< 0.0688	< 0.0687	1.2	53.9	0.336	< 0.0715	0.638	NDR 1.22	NDR 0.397	< 0.229	8.81	54.7	3.65	NDR 0.427	12.6	0.857
25-30	5.09	37.2	< 0.0486	< 0.0485	1.19	59.8	0.23	< 0.0505	0.814	NDR 1.17	0.449	< 0.171	9.59	59.9	4.08	0.454	14.9	0.956
40-45	5.77	46.3	< 0.0481	< 0.0481	1.43	68.2	NDR 0.272	< 0.0481	NDR 0.787	NDR 1.17	NDR 0.529	< 0.179	11.2	70.4	4.74	NDR 0.667	18.1	1.11
Core 7																		
0-1	1.76	19.2	< 0.263	< 0.252	NDR 0.697	25.3	< 0.249	< 0.259	0.4	0.578	< 0.338	< 0.253	3.88	25.8	1.53	< 0.217	6.14	0.426
1-2	1.75	22.5	<0.0549	<0.0534	0.483	20.8	NDR 0.131	<0.0532	0.349	NDR 0.612	NDR 0.116	<0.0851	5.05	28.3	2.22	0.28	7.19	0.431
3-4	1.73	19.5	< 0.240	< 0.230	NDR 0.910	26.6	< 0.227	< 0.236	NDR 0.427	0.81	< 0.371	< 0.268	3.89	26.8	1.55	< 0.196	5.91	NDR 0.427
3-4 (Duplicate)	2.75	28.2	< 0.191	< 0.184	0.721	38.4	NDR 0.206	< 0.188	< 0.555	NDR 0.621	< 0.675	< 0.522	5.74	35.1	2.15	< 0.211	8.62	0.546
6-7	2.42	27.2	< 0.148	< 0.142	NDR 0.884	34.9	< 0.140	< 0.145	0.45	0.82	< 0.460	< 0.313	6.19	38.6	2.91	NDR 0.428	9.82	0.756
9-10	1.38	13.8	< 0.0462	< 0.0462	0.469	17.4	NDR 0.076	< 0.0462	NDR 0.235	0.319	NDR 0.116	< 0.0732	2.99	18.8	1.38	0.189	5.12	0.331
12-14	NDR 1.75	19.2	< 0.165	< 0.158	NDR 0.539	24.2	NDR 0.181	< 0.162	< 0.332	NDR 0.542	< 0.402	< 0.312	3.2	20.6	1.43	< 0.197	5.46	NDR 0.306
14-16	1.86	24.1	<0.0501	<0.0501	0.413	20.6	0.209	<0.0501	0.332	0.502	NDR 0.193	<0.159	4.42	26.3	2.05	NDR 0.262	7.48	NDR 0.476
18-20	2.26	28.7	< 0.237	< 0.228	0.801	35.7	< 0.224	< 0.234	NDR 0.407	0.758	< 0.506	< 0.377	4.43	28.3	1.77	< 0.207	7.57	0.519
25-30	0.255	1.94	< 0.171	< 0.165	< 0.177	2.87	< 0.162	< 0.169	< 0.170	< 0.186	< 0.198	< 0.160	NDR 0.428	2.58	0.193	< 0.110	0.868	< 0.109
40-44	0.093	0.689	<0.0500	<0.0500	NDR 0.053	0.696	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.078	NDR 0.526	<0.0500	<0.0500	0.198	<0.0500

Core Number/Sample Depth (cm)	CL5-PCB-109	CL5-PCB-110/115	CL5-PCB-111	CL5-PCB-112	CL5-PCB-114	CL5-PCB-118	CL5-PCB-120	CL5-PCB-121	CL5-PCB-122	CL5-PCB-123	CL5-PCB-126	CL5-PCB-127	CL6-PCB-128/166	CL6-PCB-129/138/160/163	CL6-PCB-130	CL6-PCB-131	CL6-PCB-132	CL6-PCB-133
8/1-2	4.76	67.3	< 0.0829	< 0.0829	1.35	64	0.258	< 0.0829	NDR 0.770	1.11	0.382	< 0.140	14.1	78.9	4.92	0.826	21.1	0.959
9/1-2	5.83	60.5	< 0.0843	< 0.0843	1.52	71.4	0.381	< 0.0843	0.908	1.41	0.457	< 0.122	14.9	84.7	5.1	0.579	19.5	1.24
10/0-1	9.92	114	< 0.208	< 0.208	2.14	123	0.656	< 0.208	1.45	2.45	0.626	< 0.339	32.3	170	10.1	NDR 1.37	40.2	2.31
11/0-1	5.54	61.6	< 0.131	< 0.131	1.28	71.7	0.412	< 0.131	NDR 0.905	1.56	0.558	< 0.249	14.8	83.6	4.98	0.588	18.2	1.32
12/0-1	4.95	62.5	< 0.0945	< 0.0945	1.24	66.5	0.227	< 0.0945	0.751	1.25	0.352	< 0.145	14	81.3	5.03	0.755	22.2	1.14
13/0-1	2.67	33.2	< 0.0723	< 0.0723	0.701	36.1	0.168	< 0.0723	0.426	0.834	0.21	< 0.124	7.67	43.1	2.54	0.355	10.4	0.643
14/0-1	5.61	80.1	< 0.239	< 0.222	1.63	78.8	0.299	< 0.239	0.967	1.58	0.518	< 0.115	16.7	97.4	5.95	NDR 0.901	25.9	1.34
15/0-1	0.978	13	< 0.0582	< 0.0541	0.257	12.3	< 0.0545	< 0.0583	NDR 0.104	0.27	0.102	< 0.0620	2.97	16.3	1.04	0.154	4.23	NDR 0.234
16/0-1	3.15	43.3	< 0.0501	< 0.0501	0.763	41.1	0.181	< 0.0501	0.432	0.708	< 0.192	< 0.191	8.49	50.3	3.03	0.459	12.3	0.663
17/0-1	5.81	72.2	< 0.130	< 0.130	1.4	71.7	NDR 0.354	< 0.130	0.979	NDR 1.20	< 0.486	< 0.496	15.6	99.6	5.34	0.632	22.1	1.25
18/0-1	1.29	14	< 0.0452	< 0.0452	0.344	14.8	0.066	< 0.0452	0.192	0.288	NDR 0.107	< 0.0910	2.94	18.4	1.1	NDR 0.157	4.07	0.264
19/0-1	2.4	27.1	NDR 0.068	< 0.0473	0.491	29.2	0.123	NDR 0.126	0.304	0.644	< 0.168	< 0.177	6.47	37.1	2.27	0.284	7.83	0.553
20/0-1	6.92	83.1	NDR 0.130	< 0.0611	1.54	87.3	NDR 0.399	< 0.0613	1.09	1.86	NDR 0.438	< 0.364	17.9	112	6.58	0.934	27.9	1.55
21/0-1	19	245	< 0.267	< 0.267	3.84	233	0.865	< 0.267	3.02	3.92	1.16	< 1.23	55.1	340	19.1	2.57	83	4.89
22/0-1	3.35	39.1	< 0.130	< 0.130	0.906	41.4	0.213	< 0.130	NDR 0.494	0.782	< 0.271	< 0.267	8.83	55.6	3.24	0.366	12.4	0.767
Sediment Traps																		
A1 TOP	3.39	41.8	< 0.0495	< 0.0491	0.923	42.3	NDR 0.187	< 0.0507	NDR 0.450	1.03	0.278	< 0.180	8.47	61.6	3.88	0.636	16.4	0.983
A1 BOT	3.76	42.4	< 0.114	< 0.108	1.01	42.1	NDR 0.199	< 0.116	0.589	0.958	NDR 0.265	< 0.115	9.1	59.8	3.94	NDR 0.662	17.3	0.908
B1 TOP	2.04	19.9	< 0.137	< 0.130	0.5	23.1	< 0.131	< 0.140	NDR 0.297	0.526	0.154	< 0.112	4.36	28.5	1.85	0.324	7.67	NDR 0.415
B1 BOT	2.12	23	< 0.0525	< 0.0501	0.547	25.8	0.132	< 0.0538	NDR 0.350	0.475	NDR 0.171	< 0.165	5.22	33.6	2.23	0.299	8.6	NDR 0.441

Table 7: Continued.

Sample Depth (cm)	CL6-PCB-134/143	CL6-PCB-135/151/154	CL6-PCB-136	CL6-PCB-137	CL6-PCB-139/140	CL6-PCB-141	CL6-PCB-142	CL6-PCB-144	CL6-PCB-145	CL6-PCB-146	CL6-PCB-147/149	CL6-PCB-148	CL6-PCB-150	CL6-PCB-152	CL6-PCB-153/168	CL6-PCB-155	CL6-PCB-156/157	CL6-PCB-158
Core 1																		
0-1	6.23	41.3	13.3	5.61	1.49	13.1	< 0.162	3.67	< 0.0468	25.8	104	0.35	NDR 0.246	NDR 0.091	157	NDR 0.083	13.7	8.39
1-2	5.3	30.4	10.2	4.08	1.58	10.5	< 0.199	1.46	< 0.0725	19.4	80.4	NDR 0.239	0.137	NDR 0.089	111	< 0.0725	11.4	7.24
3-4	7.32	54.1	17.4	6.21	2.63	13	< 0.202	4.93	< 0.0496	33.4	138	0.514	0.324	0.145	200	< 0.0496	14.9	8.53
6-7	6.65	45.7	14.3	5.97	2.32	12.7	< 0.193	4.43	NDR 0.064	30	122	NDR 0.355	NDR 0.289	0.106	178	NDR 0.053	14.8	8.94
9-10	7.45	52.9	16.6	5.56	2.84	12.7	< 0.152	5.03	< 0.0497	32.3	131	0.504	0.364	0.134	189	NDR 0.053	15	9.08
12-14	8.35	60.2	19.9	5.74	3.12	13.6	< 0.109	5.36	NDR 0.078	35.7	148	0.566	0.565	NDR 0.152	201	NDR 0.047	16.6	10.3
14-16	5.18	36.1	11.7	3.58	1.89	9.45	< 0.199	2.25	< 0.0576	22	84.5	NDR 0.406	0.365	NDR 0.109	113	0.059	10.6	7.05
18-20	1.73	15.1	4.43	1.27	0.742	2.92	< 0.130	NDR 1.34	< 0.0469	8.91	34.8	0.355	0.231	< 0.0469	46.2	NDR 0.056	3.62	2.53
25-30	0.201	1.17	0.455	NDR 0.253	< 0.103	0.586	< 0.119	NDR 0.159	< 0.0461	0.742	2.62	< 0.0461	< 0.0461	< 0.0461	3.06	NDR 0.057	0.574	NDR 0.444
50-55	0.1	0.697	0.22	< 0.0449	< 0.0449	NDR 0.214	< 0.0449	0.087	< 0.0449	0.406	1.54	< 0.0449	< 0.0449	< 0.0449	2.07	< 0.0449	0.219	0.095
Core 2																		
0-1	9.61	64	20.2	7.12	3.37	29.7	< 0.209	9.14	0.067	27.1	151	NDR 0.263	0.255	NDR 0.122	159	< 0.0471	22.7	19
1-2	23.3	133	49.2	17.8	7.41	72	< 0.556	20	0.168	65.7	327	0.499	0.502	0.251	362	NDR 0.056	63.9	48.2
3-4	23.6	148	39.4	16.8	6.82	80.3	< 0.532	21.4	NDR 0.097	63.9	361	0.516	0.237	< 0.0478	361	< 0.0478	51.6	46.6
6-7	19.3	126	41.5	11.8	6.56	51.6	< 0.205	18.3	0.16	51.9	302	0.54	0.593	0.253	301	< 0.0478	44.4	36.9
9-10	32.7	204	57.6	22.9	10.4	106	< 0.545	29.7	0.144	89.4	512	0.718	0.312	< 0.0491	526	< 0.0491	78.8	66.9
12-14	20.8	146	40.4	10.6	6.66	59.8	< 0.307	20.8	0.106	62.5	354	0.642	NDR 0.187	< 0.0462	351	NDR 0.048	47.5	42.2
14-16	57.8	349	126	36.8	18.9	160	< 0.734	53.5	0.383	157	849	1.46	1.85	0.658	856	NDR 0.075	124	108
14-16 (Duplicate)	55.9	362	125	26.6	16.3	156	< 0.678	53.1	0.294	156	863	1.52	1.76	0.545	850	0.092	109	100
18-20	295	317	111	23.7	14.2	135	< 0.753	44.9	NDR 0.263	132	740	1.63	1.88	0.534	710	NDR 0.090	96	85
25-30	0.999	5.81	2.04	0.562	0.466	1.4	< 0.0703	0.612	< 0.0486	2.31	14.6	0.156	< 0.0486	< 0.0486	11.2	< 0.0486	1.8	1.61
35-40	NDR 0.067	0.53	0.159	NDR 0.097	< 0.0472	NDR 0.149	< 0.0472	NDR 0.048	< 0.0472	0.243	1.07	< 0.0472	< 0.0472	< 0.0472	NDR 1.21	< 0.0472	0.16	NDR 0.095
Core 3																		
0-1	2.69	16.7	5.88	3.03	1.06	8.59	< 0.0894	2.35	< 0.0477	9.31	43.3	NDR 0.139	0.091	NDR 0.050	55.3	0.099	7.93	5.51
1-2	4.17	22	7.6	4.54	1.62	12.8	< 0.201	3.32	< 0.0469	13	57.7	0.141	NDR 0.102	NDR 0.060	75.3	0.099	12.9	9.23
3-4	3.36	26.2	8.88	3.27	1.18	14.4	< 0.0920	3.71	< 0.0472	12.1	62.6	0.169	0.147	0.048	76.9	0.106	9.46	7.15
3-4 (Duplicate)	2.86	18.9	6.56	3.01	1.15	9.84	< 0.0856	2.68	< 0.0469	10.1	48.8	0.148	0.114	0.06	61.5	0.129	8.51	5.99
6-7	2.91	19.9	6.95	3.67	1.25	10.2	< 0.0860	2.87	< 0.0473	10.2	47.8	NDR 0.127	NDR 0.090	NDR 0.051	62.6	0.086	8.93	6.41
9-10	3.15	19.3	6.57	2.92	1.26	9	< 0.0616	2.69	< 0.0466	10.3	49.5	NDR 0.145	NDR 0.109	0.055	61.6	0.048	8.7	6.18
12-14	4.13	25.3	8.9	3.56	1.55	9.81	< 0.144	3.53	< 0.0474	13.5	65.1	0.15	NDR 0.123	0.055	80	< 0.0474	11	7.82
14-16	5.45	33	10.5	2.87	1.88	10.7	< 0.133	4.27	< 0.0475	17.9	83.7	NDR 0.229	0.144	NDR 0.091	97.2	< 0.0475	11.4	8.87
18-20	6.28	37.5	12.7	4.62	2.16	13.6	< 0.148	5.01	NDR 0.073	19.7	94.8	0.246	NDR 0.184	0.088	114	< 0.0473	15	10.6
25-30	9.88	60.1	20	6.39	3.57	18.6	< 0.162	7.84	0.068	29.9	134	NDR 0.479	0.356	0.149	159	< 0.0505	21	14.6
40-45	25	126	50.7	20	8.36	54.6	< 0.541	17.6	0.26	59.4	311	0.528	0.429	0.441	339	< 0.0470	50.6	40.8
Core 4																		
1-2	0.95	5.95	1.99	0.995	NDR 0.395	3.06	<0.126	NDR 0.944	<0.0520	3.94	15.6	NDR 0.068	<0.0520	<0.0520	20.9	<0.0520	2.26	1.86
14-16	1.2	7.48	2.32	1	0.393	3.19	<0.0995	0.965	<0.0494	4.86	20.3	NDR 0.060	<0.0494	<0.0494	23.9	<0.0494	2.74	2.26
14-16 (Duplicate)	1.14	6.86	2.21	NDR 1.03	NDR 0.432	2.96	<0.0639	0.926	<0.0478	4.07	17.6	0.076	NDR 0.073	<0.0478	22.7	<0.0478	2.66	2.23
30-35	2.47	13.9	4.67	2.37	0.93	6.49	<0.124	1.88	<0.0500	8.39	36.6	<0.0500	0.089	NDR 0.052	43.5	<0.0500	5.57	4.73
Core 5																		
0-1	1.92	12.2	3.6	2.01	0.726	4.93	< 0.133	1.44	< 0.0486	8.39	28.9	0.25	NDR 0.055	< 0.0486	44.4	NDR 0.051	5.93	3.43
1-2	2.37	14.8	4.25	<0.121	0.607	8.21	<0.119	2.24	<0.0521	9.94	38.5	<0.0521	<0.0521	<0.0521	54.6	<0.0521	5.73	4.36
3-4	2.55	19	5.86	2.73	1.36	6.88	< 0.651	2.07	< 0.0488	13	48.2	0.308	0.098	< 0.0488	72.3	< 0.0488	8.73	5.05
6-7	1.64	10.4	3.14	1.46	0.585	3.94	< 0.116	1.36	< 0.0509	7	25.4	0.145	< 0.0509	< 0.0509	38.2	< 0.0509	5.04	2.94
9-10	2.01	13.2	3.84	1.94	0.736	4.97	< 0.173	1.58	< 0.0480	8.66	32.3	NDR 0.185	NDR 0.065	< 0.0480	47.5	NDR 0.059	6.01	3.64
12-14	2.51	16	4.87	3.95	1.2	7.81	< 0.176	2.07	< 0.0484	10.4	38	NDR 0.237	NDR 0.056	< 0.0484	58.8	< 0.0484	13.4	6.42
14-16	4.27	26.4	8.02	3.75	1.44	10.6	<0.196	3.46	<0.0464	19	65.3	NDR 0.260	NDR 0.119	NDR 0.071	99.2	<0.0464	11.4	7.81
18-20	2.69	16.3	5.07	2.18	0.893	5.82	< 0.203	2.01	< 0.0480	10.7	39.5	NDR 0.189	0.09	0.064	57.7	NDR 0.059	7.19	4.64
25-30	3.86	24.7	8.2	3.05	NDR 1.47	9.49	< 0.151	3.32	< 0.0577	15.6	58.8	0.211	NDR 0.116	NDR 0.073	83.6	< 0.0483	10.9	7.21
45-50	8.45	51.4	16.3	6.37	2.5	18.7	<0.263	5.87	NDR 0.078	32.2	125	0.326	0.182	NDR 0.135	157	<0.0529	19.3	14.3

Table 7: Continued.

Sample Depth (cm)	CL6-PCB-134/143	CL6-PCB-135/151/154	CL6-PCB-136	CL6-PCB-137	CL6-PCB-139/140	CL6-PCB-141	CL6-PCB-142	CL6-PCB-144	CL6-PCB-145	CL6-PCB-146	CL6-PCB-147/149	CL6-PCB-148	CL6-PCB-150	CL6-PCB-152	CL6-PCB-153/168	CL6-PCB-155	CL6-PCB-156/157	CL6-PCB-158
Core 6																		
0-1	0.986	6.65	2.02	1.13	0.401	3.01	< 0.144	0.893	< 0.0469	4.7	16	0.193	0.076	< 0.0469	24.8	< 0.0469	3.4	2.26
1-2	0.954	6.87	1.97	1.15	0.329	2.92	< 0.118	0.863	< 0.0466	4.32	15.6	0.158	< 0.0466	< 0.0466	24.3	< 0.0466	3.4	2.17
3-4	NDR 0.955	6.94	2.08	1.17	0.329	2.77	< 0.0893	0.838	< 0.0473	4.64	16.9	< 0.0514	< 0.0473	< 0.0473	25.5	< 0.0473	3.45	2.3
6-7	1.14	8.42	2.55	1.61	0.476	3.28	< 0.110	0.901	< 0.0468	5.65	20	0.258	0.052	< 0.0468	31	< 0.0468	4.32	2.68
9-10	1.64	10.4	3.44	1.99	0.628	4.46	< 0.102	1.36	< 0.0488	6.8	25.2	0.204	0.059	< 0.0488	36.3	< 0.0488	5.03	3.43
9-10 (Duplicate)	1.72	10.7	3.45	1.95	0.721	4.14	< 0.104	1.46	< 0.0488	7.39	26.1	0.219	NDR 0.074	< 0.0488	38.8	< 0.0488	5.5	3.8
12-14	1.77	11.1	3.37	1.84	NDR 0.337	4.38	< 0.0849	NDR 1.44	< 0.0469	7.2	26.2	NDR 0.309	< 0.0469	< 0.0469	38.6	< 0.0469	5.19	3.37
14-16	1.82	14.5	4.26	1.76	0.694	7.24	< 0.140	1.92	< 0.0472	8	31.9	NDR 0.188	NDR 0.049	< 0.0472	48.7	< 0.0472	6.18	4.33
18-20	1.87	12	3.43	1.78	0.73	4.54	< 0.123	NDR 1.63	< 0.0502	7.99	28.3	NDR 0.169	0.081	< 0.0479	44.4	< 0.0479	5.75	3.76
25-30	2.12	12.9	3.75	2.03	0.78	5.97	< 0.106	1.68	< 0.0481	8.6	32	0.082	NDR 0.079	0.058	49.2	< 0.0481	6.72	4.47
40-45	2.82	17.1	5.04	2.52	1.05	7.67	< 0.144	NDR 2.18	< 0.0481	11	42	0.127	0.073	< 0.0481	60.5	< 0.0481	7.17	5.57
Core 7																		
0-1	0.985	5.6	NDR 1.64	NDR 0.994	< 0.196	2.72	< 0.228	0.751	< 0.157	3.87	14.1	< 0.202	< 0.150	< 0.143	21.6	< 0.137	2.91	1.79
1-2	1.07	6.73	2.02	1.07	NDR 0.426	3.03	<0.109	1.07	<0.0474	4.61	16.3	NDR 0.255	<0.0474	<0.0474	23.7	<0.0474	3.28	2.19
3-4	NDR 0.956	6.31	NDR 1.66	0.928	NDR 0.431	2.66	< 0.206	0.557	< 0.126	3.76	15.2	< 0.162	< 0.120	< 0.115	23.9	< 0.112	NDR 2.79	2.02
3-4 (Duplicate)	1.09	7.06	2.22	1.26	0.453	3.07	< 0.221	NDR 1.05	< 0.133	5.13	20.4	< 0.171	< 0.127	< 0.121	30.4	< 0.122	4.29	2.62
6-7	1.34	8.33	2.78	1.94	NDR 0.559	NDR 4.48	< 0.159	NDR 1.22	< 0.111	5.42	22.6	< 0.143	< 0.106	< 0.102	30.3	< 0.0919	5.98	3.45
9-10	0.753	4.28	1.37	0.67	0.147	1.81	< 0.0462	0.504	< 0.0462	3.08	11.3	NDR 0.079	< 0.0462	< 0.0462	15.9	< 0.0462	1.92	1.34
12-14	NDR 0.963	6.59	1.78	0.792	NDR 0.658	NDR 1.56	< 0.207	0.726	< 0.0970	3.58	14.7	< 0.125	NDR 0.103	< 0.0887	18.5	< 0.0914	2.22	1.35
14-16	1.18	8.02	2.66	0.846	0.492	2.52	<0.138	1.09	<0.0501	5.49	18.6	0.185	NDR 0.104	<0.0501	24.1	<0.0501	2.69	2.12
18-20	NDR 1.32	7.59	NDR 2.28	1.14	0.444	NDR 2.62	< 0.217	NDR 0.924	< 0.129	NDR 4.62	17.4	< 0.166	NDR 0.168	< 0.118	24.4	< 0.122	2.87	2.26
25-30	NDR 0.230	NDR 0.780	NDR 0.254	< 0.112	< 0.0990	NDR 0.124	< 0.115	< 0.116	< 0.0932	NDR 0.443	NDR 1.82	< 0.120	< 0.0891	< 0.0852	NDR 2.27	< 0.0978	NDR 0.339	NDR 0.293
40-44	<0.0500	NDR 0.273	NDR 0.139	<0.0500	<0.0500	NDR 0.145	<0.0500	0.058	<0.0500	0.159	0.677	<0.0500	<0.0500	<0.0500	0.646	<0.0500	0.091	<0.0500

Core Number/Sample Depth (cm)	CL6-PCB-134/143	CL6-PCB-135/151/154	CL6-PCB-136	CL6-PCB-137	CL6-PCB-139/140	CL6-PCB-141	CL6-PCB-142	CL6-PCB-144	CL6-PCB-145	CL6-PCB-146	CL6-PCB-147/149	CL6-PCB-148	CL6-PCB-150	CL6-PCB-152	CL6-PCB-153/168	CL6-PCB-155	CL6-PCB-156/157	CL6-PCB-158
8/1-2	3.33	17.4	6.44	3.04	1.04	7.97	< 0.221	2.11	< 0.0829	9.97	45.9	NDR 0.147	0.121	< 0.0829	59.3	< 0.0829	8.19	5.41
9/1-2	2.95	18	5.99	2.28	0.97	6.3	< 0.214	1.77	< 0.0843	11.4	47	NDR 0.151	< 0.0843	< 0.0843	68.3	< 0.0843	7.86	4.55
10/0-1	6.26	35.1	12	5.98	2.16	13.7	< 0.419	3.98	< 0.208	22.4	91.8	0.265	NDR 0.271	< 0.208	131	< 0.208	19.2	10
11/0-1	3.02	18.9	6.17	2.85	0.985	6.08	< 0.219	1.95	< 0.131	11.9	49.1	NDR 0.226	< 0.131	< 0.131	71.8	< 0.131	7.22	4.02
12/0-1	NDR 3.25	18	6.02	3.04	1.05	7.25	< 0.151	2.1	< 0.0945	10.5	48.1	0.137	< 0.0945	< 0.0945	62.9	< 0.0945	7.91	5.02
13/0-1	1.39	9.08	2.99	1.25	0.491	3.6	< 0.126	1.02	< 0.0723	5.6	23.8	NDR 0.108	< 0.0723	< 0.0723	34.2	< 0.0723	3.8	2.39
14/0-1	3.76	21.4	7.5	2.8	1.34	8.58	< 0.205	2.35	< 0.0535	13.1	58.3	NDR 0.181	NDR 0.120	NDR 0.059	75.7	< 0.0535	10.5	5.99
15/0-1	0.571	3.56	1.11	0.62	NDR 0.219	1.76	< 0.0878	0.468	< 0.0505	2.36	9.2	0.083	< 0.0505	< 0.0505	13.2	< 0.0505	1.9	1.24
16/0-1	1.99	10.3	3.4	2.08	0.665	5.24	< 0.160	1.34	< 0.0501	7.01	26	0.225	0.072	< 0.0501	37.2	< 0.0501	5.53	3.76
17/0-1	3.35	19.8	6.33	2.83	1.07	8.39	< 0.328	2.24	< 0.130	13.8	52.1	NDR 0.283	< 0.130	< 0.130	74.4	< 0.130	8.48	5.94
18/0-1	0.607	3.9	1.1	0.711	0.274	1.82	< 0.0783	0.524	< 0.0452	2.7	9.44	0.148	< 0.0452	< 0.0452	14.7	< 0.0452	1.75	1.27
19/0-1	1.22	7.45	2.2	NDR 1.21	0.501	3.08	< 0.101	0.942	< 0.0473	5.23	18.6	NDR 0.219	NDR 0.056	< 0.0473	28.9	< 0.0473	3.52	2.45
20/0-1	4.12	26.7	7.84	3.23	1.51	10	< 0.137	2.91	< 0.0611	15.4	65.4	NDR 0.209	NDR 0.175	< 0.0611	90.2	< 0.0611	10.1	6.99
21/0-1	13.5	82.7	25.7	8.89	4.23	27.5	< 0.511	8.28	< 0.267	49.2	203	NDR 0.854	NDR 0.449	< 0.267	287	< 0.267	26.3	17.2
22/0-1	1.94	12.5	3.63	1.68	0.605	4.33	< 0.305	1.3	< 0.130	7.92	31.4	< 0.130	< 0.130	< 0.130	44.8	< 0.130	4.74	2.86
Sediment Traps																		
A1 TOP	2.71	16.4	5.65	2.88	1.03	8.25	< 0.214	NDR 2.35	< 0.0491	9.19	40.5	NDR 0.150	NDR 0.093	< 0.0491	54	NDR 0.115	6.3	5.32
A1 BOT	2.68	16.3	5.42	NDR 2.93	NDR 1.02	7.44	< 0.195	2.33	< 0.0486	8.92	41.2	NDR 0.124	0.099	NDR 0.050	51.7	NDR 0.093	6.55	5.11
B1 TOP	1.24	7.14	2.31	1.22	NDR 0.481	3.36	< 0.0954	1.04	< 0.0489	4.3	20	NDR 0.082	< 0.0489	< 0.0489	24.5	< 0.0489	2.81	2.29
B1 BOT	1.36	7.95	2.83	1.63	0.51	3.91	< 0.114	1.19	< 0.0492	4.84	20.7	NDR 0.077	0.058	< 0.0492	27.9	< 0.0492	3.54	2.62

Table 7: Continued.

Sample Depth (cm)	CL6-PCB-159	CL6-PCB-161	CL6-PCB-162	CL6-PCB-164	CL6-PCB-165	CL6-PCB-167	CL6-PCB-169	CL7-PCB-170	CL7-PCB-171/173	CL7-PCB-172	CL7-PCB-174	CL7-PCB-175	CL7-PCB-176	CL7-PCB-177	CL7-PCB-178	CL7-PCB-179	CL7-PCB-180/193	CL7-PCB-181
Core 1																		
0-1	NDR 0.876	< 0.109	0.724	9.88	0.289	6.08	< 0.182	15	5.91	2.47	20.1	0.98	3.42	18.6	8.79	12.5	36.2	NDR 0.246
1-2	0.666	< 0.136	0.447	7.07	< 0.155	4.62	< 0.234	12.4	4.63	2.06	14.3	NDR 0.654	2.31	13.4	6.03	8.33	26.4	NDR 0.187
3-4	1.07	< 0.136	0.713	10.9	0.323	7.23	< 0.205	16.6	7.74	3.33	25.1	1.22	4.76	25.7	12.1	17.6	42.9	NDR 0.284
6-7	NDR 1.09	< 0.130	0.715	10.6	0.405	6.76	< 0.184	16.7	6.83	2.96	22	1.11	3.75	21.1	9.68	13.7	40.6	0.274
9-10	0.845	< 0.102	0.841	10.3	0.495	6.95	< 0.215	17.5	7.26	3.21	22.4	1.26	3.91	21.7	9.91	14.9	41.2	NDR 0.228
12-14	1.11	< 0.0731	0.916	11.1	0.563	7.58	< 0.209	18.2	8.29	3.68	24.3	1.58	4.48	22.8	11.2	16.4	45.3	NDR 0.256
14-16	0.759	< 0.136	0.519	6.41	< 0.155	4.51	< 0.221	13.1	5.1	2.58	15	0.911	2.26	13.6	6.64	9.06	30.9	NDR 0.154
18-20	0.277	< 0.0876	0.287	2.23	NDR 0.201	1.8	< 0.173	5.08	2.17	1.22	6.28	0.581	1.2	5.53	3.6	4.28	13.7	0.121
25-30	< 0.0753	< 0.0801	< 0.0755	NDR 0.180	< 0.0881	NDR 0.156	< 0.0881	NDR 0.558	NDR 0.269	NDR 0.183	NDR 0.643	< 0.0461	0.174	0.343	NDR 0.230	NDR 0.407	1.15	< 0.0461
50-55	< 0.0449	< 0.0449	< 0.0449	NDR 0.176	< 0.0449	0.092	< 0.0741	0.371	NDR 0.113	NDR 0.077	NDR 0.334	< 0.0449	0.066	0.263	NDR 0.102	NDR 0.177	0.746	< 0.0449
Core 2																		
0-1	1.66	< 0.151	0.634	13.5	< 0.164	7.95	< 0.223	43.4	16.6	8.24	48.2	2.47	6.66	34.3	11.7	24.7	92.2	0.449
1-2	6.66	< 0.372	1.49	33.2	< 0.421	21.4	< 1.05	124	40.2	19.7	104	5.37	14.9	75.1	23.9	45.2	214	1.33
3-4	3.35	< 0.386	1.45	33	< 0.418	17.9	< 0.364	106	38.8	19.8	115	5.51	16	76.8	26.1	53.6	217	0.907
6-7	3.01	< 0.149	1.22	26.9	0.362	15.9	< 0.365	80.5	32	14.2	88.1	4.6	12.5	65.4	21.8	44.7	152	0.805
9-10	4.41	< 0.396	2.2	48.7	< 0.428	26.8	< 0.409	155	55.9	25.4	157	8.07	22.3	108	36.8	76.6	283	1.41
12-14	3.32	< 0.223	1.3	32.4	0.486	17.2	< 0.263	100	40.4	17.4	108	6.07	15.4	78.4	28.3	53	190	0.889
14-16	13.8	< 0.491	2.84	76.6	0.985	42.4	< 1.77	251	85.6	41.2	230	12.1	34.6	164	54.9	105	456	2.35
14-16 (Duplicate)	14.7	< 0.454	NDR 2.25	75.3	0.915	40.1	< 1.72	269	93	44.8	248	13.5	37.5	176	60.8	115	493	2.2
18-20	6.9	< 0.547	2.79	64.1	1.09	35.2	NDR 0.621	228	78.4	41	228	12.3	31.4	160	54.1	106	442	1.76
25-30	0.187	< 0.0511	0.077	1.08	0.072	0.705	< 0.0750	8.31	3.33	1.1	8.79	NDR 0.616	1.3	7.32	2.58	5.21	13.5	NDR 0.065
35-40	< 0.0472	< 0.0472	< 0.0472	NDR 0.088	< 0.0472	NDR 0.072	< 0.0581	0.423	NDR 0.145	NDR 0.077	0.354	< 0.0472	< 0.0472	NDR 0.324	0.1	NDR 0.176	0.786	< 0.0472
Core 3																		
0-1	0.606	< 0.0615	0.19	3.94	< 0.0687	2.75	< 0.0721	13.7	4.36	2.37	13.4	0.71	1.88	9.36	3.67	6.56	29	0.172
1-2	NDR 0.963	< 0.135	0.376	5.76	< 0.153	4.06	< 0.157	18.5	5.56	2.99	15.8	0.748	2.22	11.4	4.25	7.01	37.5	NDR 0.233
3-4	1.23	< 0.0633	< 0.0651	5.51	NDR 0.084	3.43	< 0.166	28.3	9.41	4.97	29.9	1.41	4.24	18.7	6.86	13.4	62.5	NDR 0.224
3-4 (Duplicate)	0.73	< 0.0589	NDR 0.237	4.36	< 0.0658	2.95	< 0.0821	18.8	5.68	3.27	17	0.873	2.25	12	4.47	7.89	39.6	0.166
6-7	0.645	< 0.0592	0.303	4.6	< 0.0661	2.97	< 0.0791	15.4	4.87	2.7	15.2	0.714	2.09	10.5	4.13	7.44	31.9	0.161
9-10	0.581	< 0.0466	NDR 0.265	4.85	< 0.0473	3.08	< 0.0781	13.7	4.83	2.39	14.5	0.781	2.14	10.6	4.13	7.22	28.3	0.15
12-14	< 0.0994	< 0.0994	< 0.102	6.39	< 0.111	4.01	< 0.107	15.1	6.21	2.54	17.1	0.961	2.69	14.1	5.3	9.2	28.2	0.202
14-16	1.19	< 0.0892	0.383	7.62	0.114	4.49	< 0.178	19	7.93	3.18	21.8	1.16	3.48	18.3	6.68	11.8	38.1	NDR 0.255
18-20	1.18	< 0.102	0.466	9.53	< 0.114	5.76	< 0.123	23.6	9.62	4.12	27.5	1.55	4.45	22.7	7.99	14.2	46	NDR 0.348
25-30	1.96	< 0.109	NDR 0.601	13.3	< 0.127	7.66	< 0.281	34.7	14.5	6.45	42.5	2.41	7.63	32.5	13.9	24.7	68.1	0.351
40-45	3.96	< 0.360	1.19	29.8	< 0.409	16.2	< 0.528	63.2	23.4	11	67.7	3.71	12.1	46.5	18.9	37.3	123	0.809
Core 4																		
1-2	NDR 0.353	<0.0841	<0.0856	1.25	<0.0970	0.812	<0.0881	4.52	1.44	0.916	4.72	0.238	NDR 0.675	3.53	1.53	2.38	10.4	<0.0520
14-16	NDR 0.302	<0.0688	NDR 0.081	1.62	<0.0831	0.953	<0.0771	4.86	1.8	0.881	5.05	0.262	0.674	3.93	NDR 1.55	2.52	10.2	<0.0494
14-16 (Duplicate)	0.267	<0.0478	<0.0478	1.46	<0.0494	0.986	<0.0861	4.36	1.66	0.801	4.08	0.241	0.67	3.76	1.31	2.13	8.55	NDR 0.058
30-35	NDR 0.630	<0.0830	0.179	2.96	<0.0957	1.86	<0.0911	8.19	3.05	1.55	8.28	0.504	1.3	7.2	2.62	4.16	16.3	NDR 0.071
Core 5																		
0-1	NDR 0.366	< 0.0896	0.19	2.97	< 0.104	2.24	< 0.0930	8.78	2.87	1.47	7.98	0.366	1.16	7.36	2.93	4.32	17	NDR 0.104
1-2	0.691	<0.0868	0.175	NDR 4.49	<0.0986	2.36	<0.116	11.7	3.79	2.34	10.5	0.533	1.42	9.14	3.29	4.69	22.9	NDR 0.090
3-4	0.572	< 0.452	< 0.480	4.12	< 0.514	3.38	< 0.530	13.7	4.87	2.17	12.8	0.682	1.94	13.2	4.99	7.31	26.9	0.078
6-7	0.357	< 0.0780	NDR 0.156	2.49	< 0.0907	1.84	< 0.0803	7.23	2.65	1.36	6.63	0.292	1.06	6.87	2.56	3.93	14.2	0.072
9-10	0.377	< 0.117	< 0.118	3.1	< 0.136	2.35	< 0.123	8.88	3.06	1.39	8.51	NDR 0.484	NDR 1.39	8.37	3.25	5	16.6	NDR 0.105
12-14	0.535	< 0.119	0.277	4.3	< 0.138	3.93	< 0.127	14.3	4.77	2.08	11.1	0.482	1.67	10	3.77	5.94	24.6	NDR 0.225
14-16	0.883	<0.143	NDR 0.413	6.31	NDR 0.193	4.55	0.206	15.6	5.83	2.68	15.2	0.787	2.55	16.7	6.25	8.87	31.3	NDR 0.189
18-20	0.541	< 0.136	NDR 0.304	3.84	< 0.157	2.9	< 0.145	11.8	4.28	2.04	11.5	0.563	1.91	10.9	4.51	6.43	23.1	NDR 0.140
25-30	0.719	< 0.102	0.348	6.22	NDR 0.170	4.29	< 0.156	17.1	6.53	3.07	16.9	0.835	2.73	15.9	6.49	9.58	33.6	NDR 0.163
45-50	1.35	<0.182	0.935	10.7	NDR 0.329	6.7	<0.166	25.8	8.92	4.64	27.4	1.42	4.25	24.1	9.72	14.9	51.1	NDR 0.251

Table 7: Continued.

Sample Depth (cm)	CL6-PCB-159	CL6-PCB-161	CL6-PCB-162	CL6-PCB-164	CL6-PCB-165	CL6-PCB-167	CL6-PCB-169	CL7-PCB-170	CL7-PCB-171/173	CL7-PCB-172	CL7-PCB-174	CL7-PCB-175	CL7-PCB-176	CL7-PCB-177	CL7-PCB-178	CL7-PCB-179	CL7-PCB-180/193	CL7-PCB-181
Core 6																		
0-1	0.186	< 0.0969	NDR 0.129	1.71	< 0.111	1.25	< 0.102	5.92	1.97	1.05	4.86	0.252	0.667	4.33	1.6	2.31	10.8	0.066
1-2	0.19	< 0.0795	< 0.0788	1.58	< 0.0913	1.26	< 0.0834	5.86	1.82	1.04	4.72	NDR 0.290	0.724	4.47	1.52	2.27	10.8	< 0.0466
3-4	NDR 0.265	< 0.0601	NDR 0.175	1.83	< 0.0690	1.25	< 0.0711	5.88	2.04	1.03	4.66	NDR 0.312	0.679	4.22	NDR 1.67	2.35	10.6	0.112
6-7	NDR 0.245	< 0.0743	0.161	1.94	< 0.0853	1.64	< 0.0801	6.33	2.2	1.22	5.42	NDR 0.362	0.822	5.11	2.06	2.9	12.1	< 0.0577
9-10	NDR 0.320	< 0.0684	NDR 0.174	2.35	< 0.0786	1.83	< 0.0739	8.28	3	1.57	7.65	NDR 0.365	1.06	6.28	2.36	3.75	16.2	NDR 0.139
9-10 (Duplicate)	0.355	< 0.0700	0.183	2.82	< 0.0804	2.1	< 0.0747	8.11	2.76	1.61	7.24	0.425	1.12	6.61	2.56	3.48	15.2	< 0.0488
12-14	0.344	< 0.0577	0.185	2.59	< 0.0651	1.99	< 0.0761	7.92	3.2	1.59	7.22	0.421	1.07	6.97	2.63	3.78	15.4	NDR 0.052
14-16	0.68	< 0.0949	< 0.0947	3.09	< 0.107	2.29	< 0.140	17.1	5.33	3.07	15.4	0.706	2.05	11.6	4.19	6.2	37.7	< 0.0472
18-20	NDR 0.326	< 0.0835	0.179	2.89	< 0.0943	2.22	< 0.0870	9.49	3.27	1.56	8.38	NDR 0.546	1.22	7.82	3.28	4.5	17.4	NDR 0.104
25-30	NDR 0.392	< 0.0719	0.267	3.13	< 0.0812	2.52	< 0.0861	9.7	3.5	1.72	8.04	0.46	1.3	7.58	2.78	4.13	17.9	0.109
40-45	0.588	< 0.0979	NDR 0.286	3.86	< 0.111	2.76	< 0.118	12.1	4.51	2.07	11.5	0.535	1.7	10.4	3.61	5.61	24.1	< 0.0481
Core 7																		
0-1	0.268	< 0.156	< 0.162	1.52	< 0.173	NDR 1.16	< 0.188	4.68	NDR 1.43	0.806	4.19	NDR 0.271	NDR 0.582	3.74	NDR 1.57	2.23	9.43	< 0.168
1-2	0.255	<0.0799	NDR 0.130	1.65	<0.0907	1.19	<0.0921	4.15	1.55	NDR 0.789	3.7	NDR 0.229	0.59	4.16	1.38	1.89	8.57	NDR 0.075
3-4	NDR 0.225	< 0.141	0.168	NDR 1.54	< 0.157	NDR 1.24	< 0.174	5.45	1.68	0.86	5.35	NDR 0.178	0.697	4.05	1.83	2.46	14.1	< 0.132
3-4 (Duplicate)	NDR 0.272	< 0.151	< 0.157	2.12	< 0.168	1.7	< 0.181	5.59	2	NDR 1.04	4.72	NDR 0.356	NDR 0.813	4.84	1.96	2.61	10.2	0.154
6-7	0.267	< 0.109	NDR 0.146	2.43	< 0.121	1.87	< 0.146	5.24	1.67	1.05	4.24	NDR 0.206	0.601	3.55	1.35	2.14	9.23	< 0.132
9-10	0.158	< 0.0462	0.08	1.08	< 0.0462	0.729	< 0.0471	2.96	0.99	NDR 0.518	2.77	0.153	0.45	2.8	1.13	1.83	5.69	< 0.0462
12-14	0.232	< 0.141	< 0.147	0.982	< 0.157	NDR 1.03	< 0.168	3.37	1.5	NDR 0.762	3.25	0.3	NDR 0.580	NDR 3.01	1.43	2.09	7.07	< 0.140
14-16	NDR 0.204	<0.101	NDR 0.139	1.64	<0.115	1.03	<0.107	4.74	1.84	1.06	4.83	0.338	0.774	4.62	NDR 1.70	2.8	10.8	<0.0501
18-20	NDR 0.163	< 0.148	0.276	1.67	< 0.165	NDR 1.30	< 0.176	NDR 4.88	1.83	NDR 0.976	4.7	NDR 0.274	0.684	3.96	1.54	2.28	10.4	< 0.127
25-30	< 0.0801	< 0.0786	< 0.0817	NDR 0.236	< 0.0874	NDR 0.139	< 0.0932	NDR 0.508	0.212	< 0.115	0.368	< 0.100	< 0.0757	0.507	0.139	0.125	NDR 1.15	< 0.105
40-44	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NDR 0.051	<0.0631	0.114	<0.0500	<0.0500	0.15	<0.0500	<0.0500	0.081	<0.0500	0.102	NDR 0.293	<0.0500

Core Number/Sample Depth (cm)	CL6-PCB-159	CL6-PCB-161	CL6-PCB-162	CL6-PCB-164	CL6-PCB-165	CL6-PCB-167	CL6-PCB-169	CL7-PCB-170	CL7-PCB-171/173	CL7-PCB-172	CL7-PCB-174	CL7-PCB-175	CL7-PCB-176	CL7-PCB-177	CL7-PCB-178	CL7-PCB-179	CL7-PCB-180/193	CL7-PCB-181
8/1-2	0.57	< 0.153	NDR 0.321	4.23	< 0.172	3.09	< 0.172	9.44	3.65	1.62	10.6	0.516	1.71	9.49	3.67	6.04	19.8	NDR 0.156
9/1-2	0.52	< 0.148	0.291	4.29	< 0.167	3.19	< 0.168	9.24	3.68	1.53	10.7	0.514	1.93	11.6	4.76	7.03	19.1	NDR 0.161
10/0-1	0.957	< 0.291	NDR 0.678	8.63	< 0.328	6.98	< 0.330	20.9	7.49	3.25	19.5	0.979	3.18	18.9	7.93	11.1	38.9	NDR 0.394
11/0-1	0.54	< 0.152	0.332	4.18	< 0.171	3.18	< 0.166	8.41	3.33	1.42	10.1	NDR 0.605	1.62	11.1	4.57	6.95	19.2	0.213
12/0-1	0.492	< 0.105	0.329	4.37	< 0.118	3.04	< 0.115	8.12	3.14	1.33	8.86	0.438	1.48	8.53	3.54	5.63	16.6	NDR 0.219
13/0-1	NDR 0.259	< 0.0877	0.198	2.14	< 0.0987	1.67	< 0.0938	5.18	2.05	0.807	5.77	NDR 0.257	0.932	5.91	2.22	3.5	10.9	< 0.0723
14/0-1	0.682	< 0.143	0.284	5.5	< 0.166	3.94	< 0.156	15.3	5.39	2.41	16.3	0.701	2.55	15.7	5.54	8.86	30.6	0.183
15/0-1	0.116	< 0.0612	< 0.0640	0.899	< 0.0711	0.659	< 0.0694	2.75	0.951	0.458	2.57	NDR 0.117	0.371	2.12	0.825	1.21	5.67	< 0.0505
16/0-1	0.244	< 0.119	0.127	2.69	< 0.135	1.86	< 0.120	7.23	2.46	1.29	6.41	0.421	0.961	5.58	2.2	3.28	14.6	NDR 0.091
17/0-1	0.535	< 0.244	< 0.247	4.83	< 0.275	3.37	< 0.242	12.5	4.82	2.12	12.4	0.722	2.1	12.1	5.41	7.85	25.3	< 0.130
18/0-1	NDR 0.072	< 0.0583	< 0.0589	0.916	< 0.0657	0.616	< 0.0579	3.12	1.04	0.551	2.78	NDR 0.192	NDR 0.401	2.35	NDR 1.04	1.5	6.5	< 0.0452
19/0-1	NDR 0.149	< 0.0753	NDR 0.124	1.84	< 0.0848	1.45	< 0.0734	5.19	1.93	0.899	4.72	NDR 0.241	0.697	4.56	1.97	2.46	9.88	0.061
20/0-1	0.594	< 0.102	NDR 0.347	5.65	NDR 0.213	3.89	< 0.0980	13.8	5.27	2.38	15.9	0.771	2.61	14.2	5.97	10.2	30.2	NDR 0.133
21/0-1	1.56	< 0.380	NDR 0.978	18.3	< 0.428	11.2	< 0.370	31.9	12.5	5.55	43.8	1.81	7.69	40.3	17.6	29.1	75.7	NDR 0.496
22/0-1	< 0.227	< 0.227	< 0.229	2.84	< 0.256	NDR 2.10	< 0.228	5.61	2.32	0.908	6.65	0.368	NDR 1.19	6.77	3	4.66	13.1	< 0.130
Sediment Traps																		
A1 TOP	NDR 0.583	< 0.142	< 0.124	3.34	< 0.162	2.2	< 0.169	11.3	3.28	2.22	10.6	0.622	1.71	6.95	3.48	5.9	25.4	NDR 0.112
A1 BOT	0.568	< 0.130	0.176	3.27	< 0.147	2.23	< 0.131	12.2	3.65	2.26	10.9	0.63	1.78	7.41	3.37	5.79	26.4	0.128
B1 TOP	0.273	< 0.0635	NDR 0.088	1.65	< 0.0722	1.04	< 0.0710	5.39	1.72	1.02	4.98	0.288	0.765	3.58	1.62	2.71	11.6	NDR 0.054
B1 BOT	0.332	< 0.0758	0.137	1.71	< 0.0861	1.29	< 0.0881	7.16	2	1.23	5.88	NDR 0.324	0.847	4.67	1.76	2.77	15.9	NDR 0.057

Table 7: Continued.

Sample Depth (cm)	CL7-PCB-182	CL7-PCB-183/185	CL7-PCB-184	CL7-PCB-186	CL7-PCB-187	CL7-PCB-188	CL7-PCB-189	CL7-PCB-190	CL7-PCB-191	CL7-PCB-192	CL8-PCB-194	CL8-PCB-195	CL8-PCB-196	CL8-PCB-197/200	CL8-PCB-198/199	CL8-PCB-201	CL8-PCB-202	CL8-PCB-203
Core 1																		
0-1	NDR 0.210	< 0.0468	< 0.0468	< 0.0468	48.7	NDR 0.120	0.615	4.17	0.415	< 0.0468	7.32	4.55	4.46	2.08	19.1	2.24	5.23	9.36
1-2	0.197	8.52	< 0.0725	< 0.0725	32	NDR 0.092	NDR 0.531	3.41	0.436	< 0.0725	5.13	3.2	3.4	NDR 1.48	13.6	1.51	3.15	6.52
3-4	NDR 0.278	16	0.095	< 0.0496	68.7	0.216	0.814	4.78	NDR 0.476	< 0.0496	8.55	6	5.86	3.24	25.9	3.16	7.05	12.3
6-7	0.232	< 0.0482	0.07	< 0.0482	58	NDR 0.169	0.79	4.73	0.573	< 0.0482	7.89	5.29	5.12	2.39	22	2.58	5.92	10.3
9-10	NDR 0.240	< 0.0497	0.084	< 0.0497	57.2	0.164	0.801	4.44	0.519	< 0.0497	8.27	4.95	5.48	2.56	22.1	2.76	5.92	9.98
12-14	NDR 0.304	< 0.0470	NDR 0.127	< 0.0470	63.6	0.266	0.891	4.71	0.651	< 0.0470	10.7	6.01	7.56	3.34	29.8	3.49	7.47	13.7
14-16	NDR 0.219	11.7	0.065	< 0.0576	35.1	NDR 0.206	NDR 0.610	3	0.445	< 0.0576	7.23	3.3	5.23	1.8	16.5	2	3.96	7.43
18-20	NDR 0.141	6.53	NDR 0.095	< 0.0469	18.2	0.175	0.354	1.14	0.248	< 0.0469	5.05	1.94	3.6	1.15	10.9	1.42	2.86	4.75
25-30	< 0.0461	< 0.0461	NDR 0.056	< 0.0461	0.92	< 0.0461	NDR 0.078	NDR 0.128	0.064	< 0.0461	0.328	0.173	NDR 0.145	0.18	NDR 0.562	0.077	0.15	0.398
50-55	< 0.0449	NDR 0.203	< 0.0449	< 0.0449	0.683	< 0.0449	< 0.0449	NDR 0.062	< 0.0449	< 0.0449	0.159	0.064	0.102	< 0.0449	NDR 0.332	NDR 0.050	NDR 0.081	0.159
Core 2																		
0-1	0.298	37.6	0.08	< 0.0471	71.5	0.103	2.1	9.17	2.05	< 0.0471	21.9	9.72	13.4	5.35	29.2	4.03	7.14	17.7
1-2	NDR 0.658	77.8	0.134	< 0.0474	134	0.188	5.26	24.4	5.31	< 0.0474	47.3	21.6	27.5	10.3	62.8	7.76	11.8	35.9
3-4	NDR 0.557	80	NDR 0.082	< 0.0478	152	0.171	4.33	22.1	4.8	< 0.0478	48.3	21.9	29.1	10.8	64.6	9.24	14.2	37.1
6-7	0.57	72.9	NDR 0.164	< 0.0478	136	0.227	3.75	17.9	3.76	< 0.0478	37	18.9	24.2	9.35	58.1	8.07	14.1	34
9-10	0.765	119	0.161	< 0.0491	219	0.26	6.8	33.4	6.92	< 0.0491	62.2	31.6	41.8	13.8	92	11.9	20.8	54.2
12-14	0.549	86.2	0.11	< 0.0462	162	0.273	4.56	22.4	5.07	< 0.0462	45.2	22.9	28.8	10.3	68.4	9.31	16.1	39.9
14-16	1.39	177	NDR 0.201	< 0.0476	307	0.586	10.9	50.1	11.3	< 0.0476	107	49.9	65.7	22.2	145	18.4	26.5	82.5
14-16 (Duplicate)	1.51	194	0.222	< 0.0483	328	0.565	11.3	54.5	12.3	< 0.0483	116	54	69.9	23.4	155	19.4	29.6	88.7
18-20	1.19	173	0.27	< 0.0493	307	0.719	9.35	43.8	10.5	NDR 0.128	95.9	42.3	60.6	19.6	130	18.2	33.1	74.9
25-30	NDR 0.114	6.24	0.201	< 0.0486	13.7	NDR 0.190	0.342	1.71	0.228	< 0.0486	7.43	3.64	5.23	2.11	15	2.36	4.73	7.75
35-40	< 0.0472	NDR 0.313	< 0.0472	< 0.0472	0.599	< 0.0472	< 0.0472	NDR 0.079	< 0.0472	< 0.0472	NDR 0.209	NDR 0.090	NDR 0.127	NDR 0.067	0.378	0.06	NDR 0.076	0.172
Core 3																		
0-1	0.126	10.7	0.18	< 0.0477	22.7	NDR 0.050	0.519	2.82	0.504	0.048	7.24	2.9	3.82	1.47	10.4	1.31	2.64	5.9
1-2	NDR 0.136	12.2	0.171	< 0.0469	24.1	NDR 0.055	0.734	3.69	0.745	< 0.0469	8.75	3.73	4.67	1.8	12.1	1.55	2.51	6.69
3-4	0.184	22.3	0.213	< 0.0472	41.3	NDR 0.068	1.18	6.04	1.17	< 0.0472	15.7	6.6	8.76	2.86	18.6	2.26	4.09	11.1
3-4 (Duplicate)	0.13	13.3	0.223	< 0.0469	27.3	NDR 0.052	0.876	3.9	0.717	< 0.0469	10.8	4.48	5.53	1.79	13.3	1.63	3.17	7.88
6-7	0.131	11.8	0.158	< 0.0473	24.7	0.055	0.621	3.09	0.597	< 0.0473	7.82	3.21	4.11	1.45	10.8	1.35	2.76	6.24
9-10	0.108	11.1	0.081	< 0.0466	24.9	0.055	0.63	2.97	0.566	< 0.0466	7.64	3.5	4.49	1.64	12.6	1.6	NQ	6.98
12-14	0.094	14.5	NDR 0.057	< 0.0474	31.7	< 0.0474	0.688	3.88	0.655	0.053	6.97	4.03	4.8	1.72	13.7	1.84	3.54	7.82
14-16	0.118	18.2	NDR 0.052	< 0.0475	39.3	NDR 0.080	0.848	4.88	0.883	< 0.0475	9.68	5.69	6.68	2.69	18.8	2.54	4.16	10.3
18-20	0.182	22.2	NDR 0.048	< 0.0473	49.8	0.085	1.06	6.2	1	< 0.0473	11.3	6.43	7.7	2.94	22	2.97	5.59	12.4
25-30	0.408	34.2	NDR 0.071	< 0.0505	72	0.206	1.55	9.77	1.76	< 0.0505	18.9	11.4	15.8	5.85	44	5.59	9.53	24.1
40-45	0.507	52.4	NDR 0.104	< 0.0470	103	0.133	2.74	15.4	2.92	< 0.0470	30.7	16.5	21.4	8.58	54.1	7.03	10.3	31.5
Core 4																		
1-2	NDR 0.061	3.64	<0.0520	<0.0520	7.9	<0.0520	0.182	0.921	0.172	<0.0520	2.38	0.989	1.2	0.475	3.72	0.479	0.837	1.74
14-16	<0.0494	3.76	<0.0494	<0.0494	8.03	<0.0494	0.224	1.18	NDR 0.234	<0.0494	3.02	1.48	1.96	0.773	5.14	0.566	1.22	2.75
14-16 (Duplicate)	0.066	3.32	<0.0478	<0.0478	6.97	<0.0478	NDR 0.157	0.838	0.229	<0.0478	2.03	1.02	1.22	0.472	3.11	NDR 0.409	0.789	1.68
30-35	0.086	6.58	<0.0500	<0.0500	14.1	0.05	NDR 0.369	1.82	NDR 0.340	<0.0500	3.75	1.92	2.36	0.883	6.12	0.817	1.39	3.32
Core 5																		
0-1	NDR 0.150	6.25	< 0.0486	< 0.0486	17.2	0.06	NDR 0.443	1.98	NDR 0.271	< 0.0486	4.93	2.8	2.7	1.17	8.56	NDR 0.966	2.25	5.04
1-2	NDR 0.148	7.33	<0.0521	<0.0521	17	NDR 0.053	0.591	2.47	0.474	<0.0521	5.63	3.08	2.44	NDR 1.08	6.88	NDR 0.914	2.1	3.53
3-4	0.071	10.1	< 0.0488	< 0.0488	29.8	0.076	0.673	3.57	0.524	< 0.0488	7.17	4.04	3.85	1.36	13.6	1.63	4.11	7.35
6-7	0.071	5.18	< 0.0509	< 0.0509	15.1	< 0.0509	0.367	1.86	NDR 0.265	< 0.0509	3.25	2.02	2.13	0.889	7.15	0.875	2.03	4.18
9-10	NDR 0.100	6.2	NDR 0.055	< 0.0480	17.4	NDR 0.093	0.476	2.15	NDR 0.330	< 0.0480	4.16	2.75	2.37	1.12	8.08	1.09	2.2	4.69
12-14	NDR 0.112	8.44	NDR 0.082	< 0.0484	22.3	NDR 0.067	NDR 0.716	3.26	NDR 0.528	< 0.0484	6.74	3.4	4	1.67	12.4	1.5	3.28	7.72
14-16	NDR 0.180	11.3	NDR 0.073	<0.0464	35.4	NDR 0.104	0.728	3.83	0.555	<0.0464	7.47	5.13	4.46	2.39	16.1	2.05	4.55	8.41
18-20	NDR 0.148	8.71	< 0.0480	< 0.0480	24.9	NDR 0.093	0.535	2.72	0.492	< 0.0487	5.35	NDR 3.32	3.46	1.51	11.2	1.48	2.92	6.14
25-30	NDR 0.172	12.8	NDR 0.048	< 0.0478	35.6	NDR 0.083	0.843	4.32	0.584	< 0.0517	7.98	4.95	4.97	2.44	17.2	1.95	4	9.12
45-50	0.239	18.7	<0.0529	<0.0529	53	NDR 0.109	NDR 1.23	5.87	0.844	<0.0529	14.3	7.39	8.63	3.98	26.4	2.96	6.64	14.7

Table 7: Continued.

Sample Depth (cm)	CL7-PCB-182	CL7-PCB-183/185	CL7-PCB-184	CL7-PCB-186	CL7-PCB-187	CL7-PCB-188	CL7-PCB-189	CL7-PCB-190	CL7-PCB-191	CL7-PCB-192	CL8-PCB-194	CL8-PCB-195	CL8-PCB-196	CL8-PCB-197/200	CL8-PCB-198/199	CL8-PCB-201	CL8-PCB-202	CL8-PCB-203
Core 6																		
0-1	0.098	4.11	< 0.0469	< 0.0469	9.34	< 0.0469	0.286	1.15	0.208	< 0.0469	2.84	1.37	NDR 1.83	0.631	4.49	0.631	NDR 1.04	2.47
1-2	0.076	4.06	< 0.0466	< 0.0466	9.5	0.048	0.309	1.14	0.194	< 0.0466	2.79	1.35	NDR 1.70	0.523	4.78	0.627	1.31	2.43
3-4	< 0.0554	4.28	< 0.0473	< 0.0473	9.58	< 0.0473	0.254	1.11	NDR 0.224	< 0.0492	2.83	1.55	1.74	0.577	4.86	0.588	1.34	2.67
6-7	< 0.0549	4.67	< 0.0468	< 0.0468	11.5	< 0.0468	0.296	1.4	NDR 0.259	< 0.0486	3.24	1.7	2.1	0.71	5.77	0.693	1.62	2.96
9-10	NDR 0.065	5.95	< 0.0488	< 0.0488	14.5	NDR 0.050	NDR 0.309	1.79	0.255	< 0.0488	4.76	2.18	2.63	1.04	7.05	0.986	1.71	3.85
9-10 (Duplicate)	< 0.0488	5.99	< 0.0488	< 0.0488	14.4	< 0.0488	0.438	1.73	NDR 0.298	< 0.0488	3.96	2.05	2.46	0.934	6.99	0.903	1.8	3.66
12-14	0.107	6.09	< 0.0469	< 0.0469	15.2	NDR 0.055	NDR 0.372	1.83	NDR 0.231	< 0.0469	4.06	1.91	2.45	0.923	7.32	1.02	1.97	4.28
14-16	NDR 0.134	12.3	< 0.0472	< 0.0472	24.3	NDR 0.101	0.727	3.94	0.778	< 0.0472	11.2	4.41	6.79	1.85	15.5	1.84	2.97	8.78
18-20	< 0.0598	7.11	< 0.0479	< 0.0482	17.5	0.048	0.545	2.21	NDR 0.303	< 0.0533	4.18	2.39	2.92	1.03	8.66	1.05	2.29	4.52
25-30	NDR 0.103	7.53	< 0.0481	< 0.0481	16.1	< 0.0481	0.561	2.09	NDR 0.345	< 0.0481	5.4	2.46	3.03	1.13	9.16	1.12	2.02	4.45
40-45	0.094	9.72	< 0.0481	< 0.0481	21.2	0.051	0.488	2.57	NDR 0.542	< 0.0481	6.68	3.3	NDR 4.07	1.45	10.7	1.36	2.71	5.39
Core 7																		
0-1	< 0.151	3.43	< 0.117	< 0.127	9.08	< 0.111	0.345	NDR 0.875	NDR 0.186	< 0.146	2.92	NDR 1.25	1.44	0.846	5.4	NDR 0.754	1.42	3.2
1-2	NDR 0.089	2.9	<0.0474	<0.0474	7.31	<0.0474	NDR 0.204	0.857	0.142	<0.0474	1.99	0.987	0.983	0.471	3.15	0.428	0.978	1.58
3-4	NDR 0.150	4.12	NDR 0.093	< 0.100	10.7	< 0.0889	0.28	1.17	< 0.107	< 0.115	6.7	1.79	2.36	1.04	7.24	NDR 0.626	NDR 1.33	3.77
3-4 (Duplicate)	< 0.126	3.56	< 0.0978	< 0.106	10.7	< 0.0974	NDR 0.325	1.26	NDR 0.198	< 0.122	3.05	1.52	1.44	0.678	NDR 5.35	0.828	1.38	NDR 2.58
6-7	< 0.119	3.39	< 0.0920	< 0.100	8.24	< 0.0917	0.293	NDR 1.01	NDR 0.238	< 0.115	2.35	0.883	1.32	0.613	4.04	< 0.135	NDR 1.13	2.04
9-10	< 0.0462	2.26	< 0.0462	< 0.0462	6.11	< 0.0462	NDR 0.123	0.66	NDR 0.086	< 0.0462	1.56	0.862	0.862	0.317	2.63	NDR 0.316	NDR 0.842	1.44
12-14	< 0.126	NDR 3.15	< 0.0973	< 0.106	7.37	< 0.0960	NDR 0.166	0.64	< 0.112	< 0.121	2.5	NDR 0.987	1.45	NDR 0.525	4.22	NDR 0.540	NDR 1.07	1.95
14-16	0.091	4.28	<0.0501	<0.0501	9.71	0.103	0.227	0.878	0.209	<0.0501	3.28	NDR 1.31	1.96	NDR 0.817	5.47	0.78	1.41	2.53
18-20	NDR 0.146	3.93	< 0.0884	< 0.0962	8.63	< 0.0905	0.349	NDR 1.04	NDR 0.236	< 0.110	3.84	1.41	1.84	0.819	NDR 5.11	0.511	NDR 1.15	2.56
25-30	< 0.0942	NDR 0.346	< 0.0730	< 0.0794	NDR 0.845	< 0.0767	< 0.0858	< 0.0868	< 0.0842	< 0.0911	NDR 0.317	< 0.102	< 0.154	< 0.113	0.485	NDR 0.142	< 0.125	NDR 0.420
40-44	<0.0500	0.145	<0.0500	<0.0500	0.199	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.07	<0.0500	0.067	<0.0500	NDR 0.074	<0.0500	<0.0500	<0.0500

Core Number/Sample Depth (cm)	CL7-PCB-182	CL7-PCB-183/185	CL7-PCB-184	CL7-PCB-186	CL7-PCB-187	CL7-PCB-188	CL7-PCB-189	CL7-PCB-190	CL7-PCB-191	CL7-PCB-192	CL8-PCB-194	CL8-PCB-195	CL8-PCB-196	CL8-PCB-197/200	CL8-PCB-198/199	CL8-PCB-201	CL8-PCB-202	CL8-PCB-203
8/1-2	0.102	7.22	< 0.0829	< 0.0829	21.3	< 0.0829	0.38	2.29	NDR 0.353	< 0.0829	4.37	2.78	2.36	1.19	9.02	1.04	2.62	4.59
9/1-2	0.097	7.51	< 0.0843	< 0.0843	29.6	< 0.0843	0.528	2.84	0.299	< 0.0843	4.48	3.21	2.4	1.46	11	1.18	3.52	5.85
10/0-1	NDR 0.226	13.8	< 0.208	< 0.208	46.9	< 0.208	NDR 1.10	5.02	0.684	< 0.208	8.62	5.01	4.26	2.32	17.4	2.13	5.08	9.53
11/0-1	NDR 0.135	7.3	< 0.131	< 0.131	28.1	< 0.131	0.379	2.56	NDR 0.274	< 0.131	3.99	2.44	2.06	1.11	9.92	1.14	3.34	5.37
12/0-1	< 0.0945	6.65	< 0.0945	< 0.0945	22	< 0.0945	0.4	2.34	0.272	< 0.0945	3.43	2.35	1.99	0.991	7.83	0.934	2.67	4.41
13/0-1	< 0.0723	4.17	< 0.0723	< 0.0723	13.9	< 0.0723	0.231	1.45	0.156	< 0.0723	2.43	1.58	1.41	0.641	5.65	0.627	1.63	3.07
14/0-1	NDR 0.136	10.2	0.067	< 0.0616	32.6	0.095	0.611	3.97	0.546	< 0.0704	6.73	4.42	3.51	2.01	14.2	1.68	3.94	7.38
15/0-1	< 0.0505	2.09	< 0.0505	< 0.0505	5.04	< 0.0505	NDR 0.140	0.588	NDR 0.115	< 0.0505	1.41	0.65	0.663	0.347	2.17	0.261	0.601	1.17
16/0-1	0.131	5.34	< 0.0501	< 0.0501	13.9	< 0.0501	0.312	1.45	0.285	< 0.0501	3.53	1.71	1.73	0.769	5.31	0.682	1.52	2.77
17/0-1	< 0.130	9.55	< 0.130	< 0.130	31.8	< 0.130	0.498	3.16	NDR 0.483	< 0.130	6.27	3.53	3.18	NDR 1.57	12.2	1.4	3.85	6.92
18/0-1	0.05	2.26	< 0.0452	< 0.0452	6.16	< 0.0452	0.153	0.552	NDR 0.153	< 0.0452	1.95	0.753	0.922	0.355	2.69	0.336	0.752	1.3
19/0-1	< 0.0473	3.91	< 0.0473	< 0.0473	11.4	< 0.0473	0.233	1.15	NDR 0.186	< 0.0473	2.87	1.37	1.35	0.573	4.61	0.521	1.48	2.47
20/0-1	NDR 0.155	12.2	< 0.0611	< 0.0611	38.5	0.093	0.61	3.66	0.508	< 0.0611	7.95	4.45	4.23	1.98	14.7	2.05	4.51	8.06
21/0-1	NDR 0.365	28	< 0.267	< 0.267	110	< 0.267	NDR 1.44	9.06	1.15	< 0.267	19.5	11.1	8.83	5.12	39.5	4.36	13.2	19.6
22/0-1	< 0.130	5	< 0.130	< 0.130	17.8	< 0.130	< 0.240	1.44	0.203	< 0.130	3.26	2	1.82	0.952	7.53	0.857	2.18	3.67
Sediment Traps																		
A1 TOP	0.177	8.44	0.219	< 0.0491	18.6	NDR 0.072	0.542	2.35	0.476	< 0.0491	6.79	2.52	3.85	1.43	9.81	1.19	2.09	5.67
A1 BOT	0.125	8.48	0.184	< 0.0486	18.3	< 0.0486	0.5	2.45	NDR 0.501	< 0.0486	6.7	2.7	4.11	1.42	10.1	1.29	2.06	5.75
B1 TOP	0.069	3.79	< 0.0489	< 0.0489	9.1	< 0.0489	0.244	1.09	0.241	< 0.0489	3.37	1.26	1.89	NDR 0.622	4.88	0.583	1.01	2.61
B1 BOT	0.06	4.79	< 0.0492	< 0.0492	10.9	< 0.0492	NDR 0.316	1.55	0.239	< 0.0492	4.59	1.84	2.68	0.76	6.22	0.682	1.14	3.5

Table 7: Continued.

Sample Depth (cm)	CL8-PCB-204	CL8-PCB-205	CL9-PCB-206	CL9-PCB-207	CL9-PCB-208	CL10-PCB-209	% Moisture	Total Monochloro Biphenyl	Total Dichloro Biphenyl	Total Trichloro Biphenyl	Total Tetrachloro Biphenyl	Total Pentachloro Biphenyl	Total Hexachloro Biphenyl	Total Heptachloro Biphenyl	Total Octachloro Biphenyl	Total Nonachloro Biphenyl	Decachloro Biphenyl
Core 1																	
0-1	< 0.0468	0.726	11.1	1.48	4.18	9.39	77.1	NQ	22.8	24.2	550	832	672	178	55.1	16.8	9.39
1-2	< 0.0725	0.411	6.84	1.14	2.47	6.78	82	10.5	49.2	189	481	670	498	134	36.9	10.5	6.78
3-4	NDR 0.059	0.949	15.4	1.77	5.56	13.5	75.1	14.6	83.4	274	769	1030	841	248	73	22.7	13.5
6-7	< 0.0482	0.722	13	1.72	4.58	12.1	75.7	NQ	29.5	254	747	958	763	203	62.2	19.3	12.1
9-10	NDR 0.050	0.775	13.7	1.74	4.76	12.4	75.5	15.9	94.8	325	880	1060	790	206	62.8	20.2	12.4
12-14	NDR 0.056	0.837	35.5	3.86	12.7	26.5	73.1	15.2	107	382	1100	1260	861	226	82.9	52.1	26.5
14-16	< 0.0576	0.535	10.3	1.77	3.76	9.74	74.2	10.6	61.8	231	661	831	495	149	48	15.8	9.74
18-20	< 0.0469	0.322	9.02	1.35	3.51	7.91	73.1	2.47	22	68.8	219	269	192	70.4	32	13.9	7.91
25-30	< 0.0461	< 0.0461	< 0.651	< 0.467	< 0.523	1.03	71.6	4.57	3.23	6.05	15.8	21.5	14.6	2.65	1.31	<	1.03
50-55	< 0.0449	< 0.0449	0.177	< 0.0753	0.12	NDR 0.206	67.3	1.88	2	6.2	13.4	14.3	8.76	2.13	0.484	0.297	< 0.0449
Core 2																	
0-1	< 0.0471	1.56	14.1	1.89	4.38	8.38	63.6	8.52	56.1	209	436	788	865	412	110	20.4	8.38
1-2	< 0.0474	2.72	26.3	3.4	8.88	38.9	58.2	19.5	110	352	726	1600	2010	915	228	38.6	38.9
3-4	< 0.0478	3.16	26.4	3.41	7.8	20	54.6	10.7	105	351	776	2020	2010	939	238	37.6	20
6-7	NDR 0.061	2.59	27.1	3.57	8.71	21.4	53.6		47	409	826	1560	1680	752	206	39.4	21.4
9-10	< 0.0491	4.22	39.5	4.88	11.8	25.1	52.7	29.7	184	563	1130	2930	2890	1320	333	56.2	25.1
12-14	NDR 0.056	3.03	31.3	4.08	9.72	25.5	47.2	28	174	543	865	1840	1910	919	244	45.1	25.5
14-16	NDR 0.079	6.26	54.4	7.58	19.5	50.3	47.8	52	259	830	1940	4360	4760	2000	523	81.5	50.3
14-16 (Duplicate)	NDR 0.083	6.67	58.4	8.45	21.3	50	48.6	52.6	284	940	1870	3710	4640	2160	563	5.03	3.88
18-20	NDR 0.066	5.86	80.1	9.57	27.5	82.2	48.1	28.5	323	923	2200	3690	4220	1930	480	117	82.2
25-30	< 0.0486	NDR 0.373	31.9	3.1	12.1	44.4	49.8	7.38	9.97	23.1	36.2	72.4	76.1	73.9	48.3	47.1	44.4
35-40	< 0.0472	< 0.0472	NDR 0.226	< 0.0673	NDR 0.095	0.328	49.7	1.42	1.23	3.05	4.34	6.02	4.07	2.26	0.61	< 0.0866	0.328
Core 3																	
0-1	< 0.0477	0.397	5.23	0.719	1.76	3.5	42.4	7.62	50.5	136	253	323	271	123	36.1	7.71	3.5
1-2	< 0.0469	0.48	5.08	0.827	1.74	3.96	46.9	6.07	48.5	134	245	427	382	148	42.3	7.65	3.96
3-4	< 0.0472	1.01	6.96	0.762	2.07	4.2	42.4	8.28	55	154	268	333	372	252	71	9.79	4.2
3-4 (Duplicate)	< 0.0469	0.614	5.94	0.715	1.94	4.23		8.69	53.8	144	261	341	302	158	49.2		
6-7	< 0.0473	0.418	5.38	0.545	1.7	4.21	41.4	8.54	51.3	141	274	365	309	136	38.2	7.63	4.21
9-10	< 0.0466	0.431	5.33	0.728	1.85	3.94	32.8	9.61	62.1	159	283	373	307	129	38.9	7.91	3.94
12-14	< 0.0474	0.618	6.41	0.923	2.23	4.36	35.5	14	86.1	232	428	537	401	153	45	9.56	4.36
14-16	< 0.0475	0.763	7.79	1.01	2.81	5.71	38	13.7	93.1	327	552	565	485	196	61.3	11.6	5.71
18-20	< 0.0473	0.977	10.1	1.44	3.46	6.27	41.1	20.6	232	803	981	763	579	242	72.3	15	6.27
25-30	< 0.0550	1.65	45.5	5.52	17.5	24.7	42	27.1	181	656	1240	1160	813	368	137	68.5	24.7
40-45	< 0.0470	2.19	20.8	2.78	6.52	9.21	37.7	36.8	195	1120	2870	2910	1880	585	182	30.1	9.21
Core 4																	
1-2	<0.0520	0.148	1.67	NDR 0.305	0.728	1.48	45.2	1.78	16.9	64.7	127	121	94.3	42.5	12	2.39	1.48
14-16	<0.0494	NDR 0.187	2.5	0.398	0.684	NDR 1.97	36.5	4.31	28.1	67.3	130	128	116	43.3	16.9	3.58	<0.0494
14-16 (Duplicate)	<0.0478	NDR 0.142	1.81	0.273	0.694	1.56	35	3.91	35.3	109	155	131	105	39	10.3	8.6	4.23
30-35	<0.0500	0.246	2.95	0.492	1.1	2.64	35.3	6.55	44.5	116	241	285	221	75.7	20.8	4.54	2.64
Core 5																	
0-1	< 0.0680	NDR 0.411	5.04	0.626	1.72	4.96	63.6	9.74	65.5	160	275	293	201	79.7	27.5	7.39	4.96
1-2	<0.0521	0.376	3.96	0.605	1.47	4.15	69.6	8.65	48.7	126	208	206	239	98.2	24	6.03	4.15
3-4	< 0.0488	0.666	8.38	NDR 1.38	2.84	7.27	61.8	12.4	103	281	476	408	320	133	43.8	11.2	7.27
6-7	< 0.0551	0.334	4.19	0.56	1.45	5.15	59.9	8.88	54.3	119	225	244	174	69.4	22.9	6.2	5.15
9-10	< 0.0480	0.342	4.62	0.64	1.77	5.36	56.1	9.28	63	141	263	297	216	81.3	26.8	7.03	5.36
12-14	< 0.0517	NDR 0.469	7.9	0.874	2.65	5.96	56.6	11.1	81	236	353	352	295	113	40.7	11.4	5.96
14-16	NDR 0.047	NDR 0.659	8.69	1.2	3.11	9.21	57.8	13.7	108	292	503	521	449	157	50.5	13	9.21
18-20	< 0.0583	0.526	5.73	0.711	2.06	5.54	57.2	11.4	85.8	206	359	348	268	114	32.6	8.5	5.54
25-30	< 0.0685	0.744	8.03	1.11	3.02	7.83	56	17.5	122	317	566	533	396	167	53.4	12.2	7.83
45-50	<0.0529	0.966	13.6	2.26	4.59	12.2	57	29.7	155	646	1340	1090	777	251	86	20.5	12.2

Table 7: Continued.

Sample Depth (cm)	CL8-PCB-204	CL8-PCB-205	CL9-PCB-206	CL9-PCB-207	CL9-PCB-208	CL10-PCB-209	% Moisture	Total Monochloro Biphenyl	Total Dichloro Biphenyl	Total Trichloro Biphenyl	Total Tetrachloro Biphenyl	Total Pentachloro Biphenyl	Total Hexachloro Biphenyl	Total Heptachloro Biphenyl	Total Octachloro Biphenyl	Total Nonachloro Biphenyl	Decachloro Biphenyl
Core 6																	
0-1	< 0.0579	NDR 0.213	2.78	0.348	1.11	3.18	52.8	10.4	49.3	101	164	159	114	49	12.4	4.24	3.18
1-2	< 0.0471	0.18	2.73	0.419	NDR 1.01	2.81	55.5	6.62	39.9	86.2	150	150	111	48.6	14	3.15	2.81
3-4	< 0.0663	0.206	3.34	0.443	1.26	3.15	50.5	7.02	45.8	107	177	166	116	46.8	16.4	5.04	3.15
6-7	< 0.0683	0.268	3.33	0.462	1.12	3.58	48.4	7.51	50.2	120	210	193	141	56	19.1	4.91	3.58
9-10	< 0.0488	0.359	5.36	0.934	2.36	22.6	46.2	7.98	55.5	139	235	250	173	72.6	24.6	8.65	22.6
9-10 (Duplicate)	< 0.0491	0.285	3.59	NDR 0.617	1.44	3.88	46.4	8.94	58.9	141	245	253	182	71.7	23	2.78	1.56
12-14	< 0.0495	NDR 0.255	4.16	NDR 0.620	1.6	4.14	43	8.43	65.4	156	257	252	179	73.4	23.9	5.76	4.14
14-16	< 0.0571	0.619	6.06	NDR 0.951	1.99	4.82	42.2	9.03	61.1	147	249	249	219	145	54	8.05	4.82
18-20	< 0.0800	NDR 0.390	5.08	NDR 0.691	2.12	5.61	42.9	9.94	72.2	167	291	284	201	84.3	27	7.2	5.61
25-30	< 0.0509	NDR 0.474	4.7	0.696	1.79	4.56	40.1	12.4	88.6	222	334	270	226	83.5	28.8	7.19	4.56
40-45	< 0.0556	0.49	5.8	0.824	2.15	5.62	41.9	13.8	107	268	421	324	275	110	32.1	8.77	5.62
Core 7																	
0-1	< 0.153	NDR 0.407	4.08	0.423	1.36	2.38	50.6	5.8	31.5	74.5	125	114	93.9	37.9	15.2	5.86	2.38
1-2	<0.0474	0.166	2.38	0.273	0.747	2.61	47.3	3.97	26.6	75.2	124	138	112	37.2	10.7	3.4	2.61
3-4	< 0.142	NDR 0.381	3.92	0.385	0.979	2.13	39.8	5.35	19.1	78.5	138	120	93.7	52.7	22.9	5.28	2.13
3-4 (Duplicate)	< 0.127	NDR 0.223	3.11	NDR 0.381	1.13	3.23	39.8	6.97	24.5	101	175	181	134	47.6	8.9	88.1	50
6-7	< 0.135	NDR 0.237	2.37	NDR 0.269	NDR 0.871	2.16	38.3	2.99	17.7	79.2	138	178	145	41	11.2	2.37	2.16
9-10	< 0.0462	NDR 0.117	1.72	0.296	0.708	2.01	30.8	3.17	21.8	53.6	96.3	95.1	73.9	27.8	7.67	2.72	2.01
12-14	< 0.138	< 0.151	3.73	NDR 0.459	1.51	4.18	33.5	5.3	10.1	78.5	163	127	82.1	27	10.1	5.24	4.18
14-16	<0.0501	0.228	4.37	0.634	1.77	5.46	38.2	1.31	13.2	78.4	156	151	113	47.3	15.7	6.78	5.46
18-20	< 0.145	< 0.132	3.72	NDR 0.469	1.46	3.28	37.2	2.96	27.7	172	270	183	101	38.3	11	5.18	3.28
25-30	< 0.111	< 0.0931	NDR 0.264	< 0.100	< 0.104	NDR 0.395	42.1	<	<	6.63	13	9.32	3.64	1.35	0.485	<	<
40-44	<0.0500	<0.0500	<0.151	<0.118	<0.128	NDR 0.093	43.1	1.06	0.787	2.89	6.74	5.13	1.91	0.791	0.137	<0.151	<0.0500

Core Number/Sample Depth (cm)	CL8-PCB-204	CL8-PCB-205	CL9-PCB-206	CL9-PCB-207	CL9-PCB-208	CL10-PCB-209	% Moisture	Total Monochloro Biphenyl	Total Dichloro Biphenyl	Total Trichloro Biphenyl	Total Tetrachloro Biphenyl	Total Pentachloro Biphenyl	Total Hexachloro Biphenyl	Total Heptachloro Biphenyl	Total Octachloro Biphenyl	Total Nonachloro Biphenyl	Decachloro Biphenyl
8/1-2	< 0.0829	0.33	5.27	NDR 0.708	2.04	10.8	76.5	15.5	78.9	179	290	401	299	97.8	28.3	7.31	10.8
9/1-2	< 0.0843	0.445	7.33	0.847	2.69	10.7	74.3	NQ	109	226	382	394	312	111	33.5	10.9	10.7
10/0-1	< 0.208	0.658	10	1.5	3.47	14.5	85.4	19	104	248	529	725	625	199	55	15	14.5
11/0-1	< 0.131	0.456	6.06	NDR 1.41	2.35	13.1	84.5	15.7	71.9	181	346	414	316	105	29.8	8.41	13.1
12/0-1	< 0.0945	NDR 0.368	5.91	NDR 1.71	2.32	10.1	81.8	21.7	63.3	165	303	395	305	89.3	24.6	8.23	10.1
13/0-1	< 0.0723	0.233	3.21	NDR 0.789	1.27	8.34	78.9	15.5	55.7	105	182	206	158	57.2	17.3	4.48	8.34
14/0-1	< 0.0535	0.652	8.22	0.99	3.04	8.99	73.9	17.8	77.1	226	388	465	369	152	44.5	12.3	8.99
15/0-1	< 0.0505	NDR 0.110	1.54	NDR 0.221	0.499	2.64	66.9	5.61	28	48.3	69.9	77.3	62.4	24.6	7.27	2.04	2.64
16/0-1	< 0.0501	NDR 0.236	3.33	NDR 0.434	1.09	3.2	50.2	4.54	56.1	160	218	259	185	65.9	18	4.42	3.2
17/0-1	< 0.130	NDR 0.524	7.73	NDR 0.891	NDR 3.62	12.6	75.5	9.53	112	252	405	444	352	130	37.4	7.73	12.6
18/0-1	< 0.0452	NDR 0.109	1.64	0.193	0.657	1.75	32.5	0.93	24.1	57.7	87.2	88.8	67.2	27	9.06	2.49	1.75
19/0-1	< 0.0473	0.202	2.83	0.371	1	2.82	51	4.8	46.5	108	156	160	132	49.1	15.4	4.2	2.82
20/0-1	< 0.0611	0.624	8.33	1.07	2.81	8.09	68.1	16	101	281	492	524	421	157	48.6	12.2	8.09
21/0-1	< 0.267	1.36	21	2.9	7.29	19	73.1	9.53	147	468	955	1540	1290	414	123	31.2	19
22/0-1	< 0.130	0.333	4.66	0.547	1.7	5.29	84.4	<	50.8	111	211	248	202	67.8	22.6	6.91	5.29
Sediment Traps																	
A1 TOP	< 0.0491	0.359	4.4	0.595	1.53	3.9	71.7	3.23	48.5	117	207	269	250	102	33.7	6.53	3.9
A1 BOT	< 0.0486	0.389	4.48	0.599	1.51	3.28	68	6.81	63.4	157	221	266	245	105	34.5	6.59	3.28
B1 TOP	< 0.0489	0.192	2.53	NDR 0.312	0.891	1.99	75.4	4.68	57.5	159	180	136	116	48.2	15.8	3.42	1.99
B1 BOT	< 0.0492	NDR 0.292	3.12	0.4	0.965	2.14	68.3	1.87	38.8	86.8	129	153	132	59.8	21.4	4.49	2.14

Table 7: Continued.

Sample Depth (cm)	TOTAL PCBs	TEQ (WHO 1998) ND=0	TEQ (WHO 1998) ND=1/2DL
Core 1			
0-1	2360	0.119	0.12
1-2	2090	0.0827	0.0839
3-4	3370	0.158	0.159
6-7	3050	0.143	0.144
9-10	3470	0.152	0.153
12-14	4110	0.186	0.187
14-16	2510	0.116	0.118
18-20	896	0.0634	0.0642
25-30	70.8	0.000781	0.00586
50-55	49.5	0.000408	0.00707
Core 2			
0-1	2910	0.0293	0.0395
1-2	6030	0.162	0.167
3-4	6510	0.0749	0.18
6-7	5550	0.149	0.151
9-10	9450	0.269	0.271
12-14	6590	0.176	0.177
14-16	14800	0.339	0.348
14-16 (Duplicate)	14400	0.337	0.346
18-20	14000	0.31	0.313
25-30	439	0.00264	0.00746
35-40	23.3	0.000179	0.00611
Core 3			
0-1	1210	0.0444	0.0448
1-2	1440	0.0618	0.0626
3-4	1530	0.0512	0.0521
3-4 (Duplicate)	1330	0.0396	0.04
6-7	1340	0.0413	0.0417
9-10	1370	0.0487	0.0491
12-14	1910	0.0658	0.0663
14-16	2310	0.0784	0.0793
18-20	3720	0.0901	0.0908
25-30	4680	0.127	0.129
40-45	9820	0.217	0.22
Core 4			
1-2	484	0.00425	0.0175
14-16	537	0.0157	0.0161
14-16 (Duplicate)	592	0.0162	0.00473
30-35	1020	0.0103	0.023
Core 5			
0-1	1120	0.0112	0.0177
1-2	969	0.00874	0.0167
3-4	1800	0.0727	0.0754
6-7	928	0.00998	0.0199
9-10	1110	0.0411	0.0417
12-14	1500	0.0475	0.0482
14-16	2120	0.0813	0.0813
18-20	1440	0.0704	0.0712
25-30	2190	0.0784	0.0792
45-50	4410	0.117	0.118

Table 7: Continued.

Sample Depth (cm)	TOTAL PCBs (cm)	TEQ (WHO 1998) ND=0	TEQ (WHO 1998) ND=1/2DL
Core 6			
0-1	668	0.00691	0.0147
1-2	613	0.0066	0.0138
3-4	690	0.00715	0.0169
6-7	805	0.0361	0.0365
9-10	988	0.0103	0.0173
9-10 (Duplicate)	994	0.0478	0.0482
12-14	1030	0.0108	0.0175
14-16	1150	0.0114	0.0209
18-20	1150	0.0123	0.0261
25-30	1280	0.0587	0.0591
40-45	1570	0.0154	0.0292
Core 7			
0-1	507	0.00529	0.0232
1-2	533	0.00516	0.00942
3-4	537	0.00431	0.0239
3-4 (Duplicate)	686	0.00868	0.0434
6-7	618	0.00852	0.0324
9-10	384	0.00403	0.00914
12-14	513	0.00505	0.0261
14-16	588	0.00491	0.0125
18-20	814	0.00782	0.034
25-30	34.4	0.000287	0.0108
40-44	19.4	0.000155	0.00299

Core Number/Sample Depth (cm)	TOTAL PCBs	TEQ (WHO 2005) ND=0	TEQ (WHO 2005) ND=1/2DL
8/1-2	1410	0.0421	0.0447
9/1-2	1590	0.0503	0.0529
10/0-1	2530	0.0704	0.0754
11/0-1	1500	0.0603	0.0628
12/0-1	1390	0.0393	0.041
13/0-1	810	0.0233	0.0247
14/0-1	1760	0.0568	0.0592
15/0-1	328	0.0109	0.012
16/0-1	973	0.00248	0.0139
17/0-1	1760	0.00446	0.0324
18/0-1	366	0.000929	0.00634
19/0-1	679	0.00179	0.0113
20/0-1	2060	0.00539	0.0244
21/0-1	5000	0.13	0.135
22/0-1	925	0.00246	0.0195
Sediment Traps			
A1 TOP	1040	0.0379	0.0388
A1 BOT	1110	0.0104	0.0171
B1 TOP	723	0.0208	0.0212
B1 BOT	630	0.00611	0.0151

Table 8: Results of the PBDE analysis. All congeners are reported in pg/g. < = less than detection limit; K = peak detected but did not meet quantification criteria, number following this flag represents an unconfirmed concentration; NDR = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration. Blank cells indicate congener not quantifiable due to <10% recovery of labeled standards.

Sample Depth (cm)	Br2-DPE-7	Br2-DPE-8/11	Br2-DPE-10	Br2-DPE-12/13	Br2-DPE-15	Br3-DPE-17/25	Br3-DPE-28/33	Br3-DPE-30	Br3-DPE-32	Br3-DPE-35	Br3-DPE-37	Br4-DPE-47	Br4-DPE-49	Br4-DPE-51	Br4-DPE-66	Br4-DPE-71
Core 1																
0-1	0.933	1.04	< 0.108	NDR 0.170	1.26	4.35	2.72	< 0.191	< 0.153	< 0.134	NDR 0.142	32.8	4.83	NDR 1.05	NDR 0.763	0.54
1-2						7.92	3.62	< 0.315	< 0.249	< 0.190	K 0.205	51.7	11.7	2.45	1.67	K 0.608
3-4	0.863	1.11	< 0.097	NDR 0.186	1.31	4.98	2.6	< 0.215	< 0.172	< 0.151	< 0.141	24.4	6.15	1.45	1.55	NDR 0.512
6-7	0.861	1.01	< 0.187	NDR 0.204	NDR 0.999	3.88	NDR 1.73	< 0.310	< 0.248	< 0.217	< 0.203	18.3	NDR 3.81	1.18	NDR 0.992	NDR 0.545
9-10	0.275	NDR 0.375	< 0.136	NDR 0.121	NDR 0.364	NDR 1.59	NDR 0.803	< 0.143	< 0.115	< 0.101	< 0.094	8.87	NDR 1.24	NDR 0.605	NDR 0.392	0.23
12-14	< 0.120	< 0.101	< 0.141	NDR 0.117	NDR 0.112	NDR 0.362	NDR 0.220	< 0.155	< 0.124	< 0.108	< 0.101	4.32	< 0.436	< 0.316	< 0.541	< 0.464
14-16						K 0.353	K 0.221	< 0.281	< 0.223	< 0.169	< 0.158	7.77	K 0.415	< 0.244	< 0.393	< 0.326
18-20	< 0.111	< 0.111	< 0.111	< 0.111	NDR 0.118	NDR 0.364	0.149	< 0.127	< 0.111	< 0.111	< 0.111	6.61	0.285	< 0.113	0.244	< 0.166
25-30	< 0.094	0.102	< 0.113	< 0.094	0.115	< 0.199	NDR 0.351	< 0.216	< 0.169	< 0.136	< 0.130	6.19	NDR 0.365	< 0.222	NDR 0.400	< 0.324
50-55						< 0.396	0.533	< 0.442	< 0.350	< 0.266	< 0.249	9.32	< 0.843	< 0.560	< 0.905	< 0.749
Core 2																
0-1						NDR 14.4	4.88	< 0.110	NDR 0.179	NDR 0.163	NDR 0.212	126	37.4	5.7	4.65	2.48
1-2						33.9	10.9	< 0.211	0.415	< 0.135	0.307	235	70.9	10.3	8.53	4.73
3-4						NDR 29.2	7.61	< 0.766	< 0.592	< 0.468	< 0.435	129	61.5	10.3	5.02	3.6
6-7						NDR 25.4	6.68	< 0.196	NDR 0.577	NDR 0.168	NDR 0.191	125	53	9.17	4.22	2.29
9-10						NDR 33.0	8.7	< 0.830	0.696	< 0.500	< 0.466	170	70.9	12.5	5.63	4.5
12-14						NDR 14.9	3.76	< 0.487	NDR 0.424	< 0.298	< 0.277	87.7	29.4	6.26	2.41	1.05
14-16						6.49	1.74	< 0.220	< 0.173	< 0.141	< 0.130	25.5	11.4	2.56	0.921	0.463
18-20						NDR 0.549	NDR 0.671	< 0.201	< 0.154	NDR 0.180	NDR 0.129	7.37	0.977	0.242	0.301	< 0.141
25-30						NDR 0.745	NDR 0.927	< 0.514	< 0.394	< 0.310	< 0.288	11.7	0.98	< 0.484	< 0.807	< 0.680
35-40						< 0.243	< 0.201	< 0.259	< 0.204	< 0.166	< 0.153	3.33	< 0.497	< 0.372	< 0.576	< 0.521
Core 3																
0-1	55.1	20.7	< 0.265	1.95	5.31	170	32.5	< 0.529	1.2	NDR 0.344	0.969	661	224	17.8	30	23.4
0-1 (Duplicate)	51.8	23.3	< 0.302	1.91	5.8	195	36.3	< 0.740	1.37	< 0.466	0.98	731	242	18.3	30.6	30.6
1-2						185	28.4	< 0.388	0.684	< 0.238	0.442	730	230	17.4	29.2	22.4
3-4	89.7	34.6	< 0.249	2.85	8.2	269	40.9	< 0.425	2.31	NDR 0.624	1.24	660	304	23.8	31.5	NDR 28.7
6-7	167	60	< 0.392	4.07	11.8	256	35.8	< 0.814	3.54	0.696	1.09	407	265	23.4	21.4	25.3
9-10	103	63.2	< 0.186	3.57	10.9	168	22	< 0.485	NDR 2.03	< 0.315	0.68	190	148	16.9	7.92	NDR 9.47
12-14	33.3	30.4	< 0.190	1.75	5.68	91.8	11.5	< 0.324	0.774	< 0.190	0.312	131	79.3	15	4.71	3.84
12-14 (Duplicate)	27.4	32	< 0.101	1.84	5.64	99.7	12.3	< 0.272	1.5	< 0.177	0.189	124	80.4	15.1	5.06	NDR 6.30
14-16						38.6	4.63	< 0.200	< 0.161	< 0.123	< 0.115	59.9	37.1	6.51	1.86	1.32
18-20	2.13	1.75	< 0.213	0.177	0.457	5.46	0.866	< 0.198	< 0.154	< 0.128	< 0.123	10.1	5.97	NDR 1.04	< 0.168	NDR 0.298
25-30	0.33	NDR 0.392	< 0.101	< 0.091	NDR 0.150	1.31	NDR 0.403	< 0.186	< 0.144	< 0.119	< 0.112	NDR 3.80	NDR 1.02	0.13	< 0.170	NDR 0.214
Core 4																
1-2	3.13	3.13	< 0.859	< 0.476	0.771	8.34	3.45	< 0.259	< 0.208	< 0.159	< 0.149	131	19.5	1.9	4.8	1.84
1-2																
14-16						25.5	6.38	< 0.159	< 0.128	< 0.098	K 0.246	128	45.3	5.18	5.84	3
30-35						K 42.5	7.44	< 0.307	0.511	< 0.185	0.241	107	61.8	9.87	4.3	3.39
30-35 (Duplicate)						K 44.8	8.08	< 0.239	0.596	< 0.144	0.283	116	64.5	10.3	4.27	4.55

Table 8: Continued.

Sample Depth (cm)	Br2-DPE-7	Br2-DPE-8/11	Br2-DPE-10	Br2-DPE-12/13	Br2-DPE-15	Br3-DPE-17/25	Br3-DPE-28/33	Br3-DPE-30	Br3-DPE-32	Br3-DPE-35	Br3-DPE-37	Br4-DPE-47	Br4-DPE-49	Br4-DPE-51	Br4-DPE-66	Br4-DPE-71
Core 5																
0-1	1.15	2.33	< 0.190	< 0.101	1.78	6.26	4.49	< 0.382	< 0.302	< 0.221	< 0.201	56.1	7.51	NDR 1.30	NDR 2.74	1.42
1-2						8.79	4.92	< 0.323	< 0.256	< 0.194	0.237	65.7	12.4	1.77	2.65	1.08
3-4	0.792	3.66	< 0.186	< 0.106	3.67	11.8	7.2	< 0.348	< 0.275	< 0.201	0.298	90	16	NDR 2.78	4.22	1.8
6-7	1.42	3.3	< 0.196	< 0.104	3.65	9.93	5.96	< 0.234	< 0.180	< 0.132	NDR 0.252	64	11.1	2.1	2.36	1.04
9-10	2.4	4.1	< 0.289	NDR 0.323	3.94	11.4	6.17	< 0.182	NDR 0.234	NDR 0.122	NDR 0.342	54.6	12.7	3.3	NDR 2.40	NDR 1.76
12-14	2.69	4.5	< 0.143	0.376	4.6	12.7	6.2	< 0.234	NDR 0.255	< 0.125	NDR 0.289	68.3	17.4	4.67	3.43	2.16
14-16						K 13.5	5.29	< 0.288	0.262	< 0.174	K 0.292	63.8	20.2	5.38	2.89	1.23
18-20	1.52	3.06	< 0.148	0.285	2.96	9.47	3.99	< 0.239	< 0.184	< 0.135	NDR 0.213	42.3	12	3.32	1.98	1.28
25-30	0.199	0.357	< 0.144	< 0.092	0.3	1.09	0.558	< 0.171	< 0.131	< 0.097	< 0.092	6.45	NDR 1.23	0.304	NDR 0.339	< 0.151
45-50						K 0.247	K 0.183	< 0.243	< 0.192	< 0.146	< 0.137	4.45	< 0.462	< 0.307	< 0.496	< 0.410
Core 6																
0-1	0.618	1.24	< 0.183	< 0.097	0.887	5.89	3.55	< 0.221	< 0.170	< 0.125	NDR 0.166	67.6	7.14	0.888	1.9	1.08
1-2	1.02	1.69	< 0.164	NDR 0.151	NDR 1.03	6.26	4.05	< 0.162	< 0.125	< 0.104	NDR 0.192	49.2	6.82	0.966	1.73	NDR 0.512
3-4	1.28	2.11	< 0.202	< 0.107	1.28	8.43	4.47	< 0.312	< 0.240	< 0.176	< 0.160	65.3	8.55	NDR 1.40	2.25	1.43
6-7	0.997	2.15	< 0.178	NDR 0.179	1.09	8.51	4.95	< 0.231	< 0.178	< 0.130	NDR 0.149	57.2	8.41	1.32	1.87	NDR 0.957
9-10	1.56	2.79	< 0.095	0.211	1.85	10.7	5.77	< 0.133	0.12	0.123	0.261	71.5	11.6	1.76	2.67	1.02
12-14	1.94	3.5	< 0.095	0.231	2.02	10.8	5.6	< 0.149	NDR 0.164	< 0.095	0.179	64.6	11.8	2.03	2.65	1.26
14-16	3.26	5.75	< 0.109	0.433	3.1	16.7	7.16	< 0.199	0.307	< 0.127	0.292	65.5	15.7	3.03	NDR 3.12	NDR 1.25
18-20	3.52	8.18	< 0.107	0.545	4.32	21.4	9.83	< 0.242	NDR 0.378	< 0.129	0.304	97.5	22	4.4	4.09	NDR 2.20
25-30	2.33	5.18	< 0.106	0.35	2.35	12.1	4.99	< 0.173	0.297	< 0.094	0.169	49.5	11.8	2.53	2.12	NDR 1.29
40-45	0.637	1.15	< 0.145	NDR 0.181	0.567	2.07	NDR 0.923	< 0.175	< 0.135	< 0.112	< 0.105	8.46	1.56	NDR 0.410	NDR 0.340	NDR 0.228
Core 7																
0-1	0.511	1.04	< 0.111	NDR 0.118	0.843	4.15	2.9	< 0.147	< 0.112	< 0.111	< 0.111	48.1	5	0.869	NDR 1.53	NDR 0.589
1-2	1.06	1.17	< 0.092	0.124	0.966	K 4.92	2.59	< 0.092	< 0.092	< 0.092	0.1	49	6.15	0.916	1.74	K 0.309
3-4	0.67	1.85	< 0.097	0.145	1.17	5.66	2.93	< 0.159	< 0.121	< 0.097	0.114	37.9	6.76	1.32	1.8	0.732
6-7	0.573	1.22	< 0.097	NDR 0.109	0.922	3.97	2.11	< 0.144	< 0.115	< 0.097	< 0.097	29.4	4.66	0.837	1.3	NDR 0.490
9-10	0.567	1.55	< 0.133	0.216	1.06	5.31	3.06	< 0.151	< 0.117	< 0.097	NDR 0.152	36.1	6.45	NDR 1.08	1.56	NDR 0.684
12-14	< 0.096	NDR 0.179	< 0.096	< 0.096	NDR 0.164	0.76	0.435	< 0.096	< 0.096	< 0.096	< 0.096	8.78	1.02	0.17	NDR 0.341	< 0.096
18-20	0.243	0.288	< 0.101	< 0.101	0.24	1.11	0.801	< 0.101	< 0.101	< 0.101	< 0.101	16.4	NDR 1.43	NDR 0.226	NDR 0.432	NDR 0.287
25-30	< 0.121	0.15	< 0.145	< 0.096	NDR 0.139	0.871	0.517	< 0.104	< 0.096	< 0.096	< 0.096	10.8	NDR 1.12	NDR 0.165	NDR 0.251	NDR 0.144
40-44						< 0.196	0.211	< 0.222	< 0.172	< 0.130	< 0.120	5.04	< 0.269	< 0.183	< 0.297	< 0.244
Surface Only Samples																
8/1-2	0.619	1.91	< 0.206	NDR 0.216	2.08	5.49	3.62	< 0.248	< 0.201	< 0.166	0.718	49.9	7.48	1.5	NDR 2.14	NDR 0.694
9/1-2	1.39	1.77	< 0.207	< 0.169	2	6.95	3.95	< 0.272	< 0.220	NDR 0.179	0.85	56.6	9.11	NDR 3.33	2.63	< 0.169
10/0-1	NDR 0.807	1.75	< 0.442	< 0.417	2.5	6.21	4.15	< 0.604	< 0.489	< 0.417	1.25	61.3	9.54	2.43	2.7	NDR 0.830
11/0-1	NDR 1.57	1.94	< 0.415	0.29	2.57	6.85	3.97	< 0.374	< 0.302	< 0.261	1.08	69.8	NDR 10.8	2.16	NDR 3.18	< 0.261
12/0-1	0.866	0.724	< 0.199	< 0.189	1.16	3.03	2.31	< 0.375	< 0.303	< 0.194	0.841	37.1	NDR 4.61	1.09	NDR 1.68	NDR 0.439
13/0-1	NDR 0.600	NDR 0.716	< 0.147	< 0.145	0.956	2.67	1.86	< 0.169	NDR 0.180	< 0.145	NDR 0.461	30.3	3.58	NDR 1.13	1.27	NDR 0.489
14/0-1	1.32	3.2	< 0.122	0.378	3.62	11.2	5.77	< 0.154	< 0.124	0.193	0.65	89.3	18.1	3.47	NDR 3.66	NDR 0.969
15/0-1	0.334	1.21	< 0.141	< 0.101	0.942	3.02	2.22	< 0.214	< 0.170	< 0.120	NDR 0.484	35.8	NDR 3.96	NDR 0.432	1.22	NDR 0.384
16/0-1	1.17	2.22	< 0.320	< 0.189	1.37	7.83	4.12	< 0.322	< 0.261	< 0.201	< 0.188	62.5	7.63	NDR 1.16	2.91	< 0.713
17/0-1	1.38	2.11	< 0.571	< 0.338	3.23	9.6	NDR 6.14	< 0.674	< 0.547	< 0.421	NDR 0.706	107	13.2	1.94	6.01	NDR 1.19

Table 8: Continued.

Sample Depth (cm)	Br2-DPE-7	Br2-DPE-8/11	Br2-DPE-10	Br2-DPE-12/13	Br2-DPE-15	Br3-DPE-17/25	Br3-DPE-28/33	Br3-DPE-30	Br3-DPE-32	Br3-DPE-35	Br3-DPE-37	Br4-DPE-47	Br4-DPE-49	Br4-DPE-51	Br4-DPE-66	Br4-DPE-71
18/0-1	NDR 1.00	1.36	< 0.369	< 0.218	0.608	4.53	1.83	< 0.231	< 0.188	< 0.145	NDR 0.287	28.3	3.56	NDR 0.728	NDR 0.865	< 0.531
19/0-1	1.51	3.15	< 0.149	< 0.095	2.11	7.75	4.58	< 0.175	< 0.141	< 0.107	0.265	59.2	9.04	1.54	2.77	< 0.891
20/0-1	NDR 1.18	2.22	< 0.317	< 0.177	1.99	6.55	NDR 3.51	< 0.370	< 0.299	< 0.225	NDR 0.356	62	8.38	2.09	NDR 3.19	< 1.12
21/0-1	3.96	3.87	< 1.29	< 0.722	4.08	18.6	7.94	< 1.53	< 1.24	< 0.934	1.11	159	NDR 27.1	6.71	6.58	NDR 2.68
22/0-1	1.19	NDR 0.702	< 0.585	< 0.327	1.49	4.9	NDR 3.13	< 0.302	< 0.260	< 0.260	NDR 0.655	56.1	NDR 5.97	1.61	NDR 2.66	< 0.458
Sediment Traps																
A1 TOP						21.2	9.6	< 0.421	< 0.327	< 0.247	K 0.282	628	49.5	6.07	15.1	6.07
A1 BOT						38.6	11	< 0.419	< 0.326	< 0.245	0.344	522	76	9.01	13.2	8.51
B1 TOP						K 4.98	2.86	< 0.300	< 0.233	< 0.176	< 0.162	72.2	8.52	0.962	2.46	K 0.693
B1 BOT						K 6.68	3.52	< 0.372	< 0.289	< 0.218	< 0.201	76.6	11	1.23	2.4	K 1.17

Table 8: Continued.

Sample Depth (cm)	Br4-DPE-75	Br4-DPE-77	Br4-DPE-79	Br5-DPE-85	Br5-DPE-99	Br5-DPE-100	Br5-DPE-105	Br5-DPE-116	Br5-DPE-119/120	Br5-DPE-126	Br6-DPE-128	Br6-DPE-138/166	Br6-DPE-140	Br6-DPE-153	Br6-DPE-154	Br6-DPE-155
Core 1																
0-1	< 0.092	< 0.082	< 0.092	NDR 0.577	15.4	8.82	< 0.376	< 0.483	< 0.259	< 0.177	< 0.836	NDR 0.405	0.17	2.03	3.34	0.554
1-2	< 0.407	< 0.322	< 0.394	0.73	23.3	14.5	< 0.341	< 0.446	K 0.442	< 0.160	< 0.546	K 0.397	< 0.263	3.64	6.1	1.17
3-4	< 0.110	< 0.097	NDR 0.391	0.476	12.9	8.33	< 0.383	< 0.492	< 0.274	< 0.180	< 1.11	NDR 0.525	NDR 0.197	2.47	3.84	0.594
6-7	< 0.236	< 0.213	< 0.236	< 0.404	8.92	5.54	< 0.525	< 0.673	< 0.362	< 0.250	< 1.81	< 0.348	< 0.205	NDR 1.67	NDR 2.37	NDR 0.466
9-10	< 0.147	< 0.132	0.24	< 0.230	5.06	2.53	< 0.298	< 0.383	< 0.206	< 0.147	< 1.17	< 0.399	< 0.235	0.843	NDR 1.05	0.303
12-14	< 0.392	< 0.344	< 0.390	< 0.272	4.12	1.02	< 0.353	< 0.453	< 0.244	< 0.165	< 1.28	< 0.315	< 0.186	0.523	NDR 0.422	< 0.123
14-16	< 0.296	< 0.240	< 0.286	0.43	7.96	1.63	< 0.263	< 0.343	< 0.216	< 0.128	< 0.729	K 0.378	< 0.240	0.939	K 0.778	< 0.169
18-20	< 0.140	< 0.125	< 0.140	NDR 0.425	6.67	1.59	< 0.319	< 0.410	< 0.220	< 0.146	< 1.60	< 0.356	< 0.210	NDR 0.980	NDR 0.671	< 0.139
25-30	< 0.261	< 0.221	< 0.264	< 0.272	5.49	1.35	< 0.358	< 0.450	< 0.259	< 0.174	< 1.33	NDR 0.352	< 0.168	NDR 0.630	NDR 0.595	< 0.117
50-55	< 0.679	< 0.572	< 0.657	< 0.444	6.53	1.76	< 0.549	< 0.717	< 0.451	< 0.259	< 1.73	< 0.721	< 0.493	0.845	0.474	< 0.348
Core 2																
0-1	NDR 0.224	< 0.094	< 0.094	4.36	130	38.6	< 0.443	< 0.548	0.756	0.343	< 0.580	1.92	0.805	19.9	20.5	3.07
1-2	K 0.289	< 0.099	< 0.121	8.18	223	66	< 0.730	< 0.972	0.997	< 0.352	< 0.619	2.99	1.42	33.6	35.6	5.32
3-4	< 0.476	< 0.400	1.78	NDR 3.68	97.9	35.9	< 1.76	4.63	< 1.44	< 0.854	< 1.12	1.85	0.828	18.4	21.9	4.54
6-7	0.148	< 0.099	0.441	3.44	93.6	35.4	< 0.467	< 0.605	0.901	NDR 0.287	< 0.604	1.12	0.769	16.2	15.3	4.84
9-10	< 0.714	< 0.589	1.62	NDR 5.27	122	47.9	< 1.18	< 1.65	1.58	< 0.550	< 2.57	2.36	1.3	22.4	27.4	5.22
12-14	< 0.532	< 0.442	NDR 0.539	NDR 4.14	80.3	24.6	< 1.31	< 1.70	< 1.07	< 0.555	< 1.23	NDR 1.25	0.606	11.1	12.7	2.62
14-16	< 0.117	< 0.091	< 0.105	0.644	15.8	6.76	< 0.662	< 0.882	< 0.610	< 0.317	< 0.481	< 0.294	< 0.216	2.95	3.88	1.07
18-20	< 0.124	< 0.099	< 0.115	NDR 0.628	5.91	1.52	< 0.202	< 0.283	NDR 0.236	< 0.105	< 0.347	0.167	< 0.114	1.11	0.604	NDR 0.271
25-30	< 0.595	< 0.498	< 0.553	< 0.686	4.93	2.22	< 0.846	< 1.18	< 0.740	< 0.395	< 1.72	NDR 0.709	< 0.425	2.25	1.25	NDR 0.329
35-40	< 0.447	< 0.336	< 0.404	< 0.619	2.79	0.684	< 0.729	< 0.970	< 0.671	< 0.367	< 0.655	< 0.313	< 0.229	K 0.353	0.351	< 0.163
Core 3																
0-1	1.2	< 0.122	NDR 5.90	27.5	640	178	< 1.60	< 2.01	4.12	0.795	< 3.45	9.65	3.67	90.5	82.2	8.25
0-1 (Duplicate)	NDR 1.63	NDR 0.209	NDR 6.56	28.9	682	192	< 1.30	< 1.63	5.05	1.06	< 3.56	9.49	3.89	96.4	91.3	8.88
1-2	1.28	< 0.099	< 0.115	25.4	644	176	< 2.28	< 3.04	3.16	< 1.18	< 1.33	7.12	3.63	87.1	77	8.47
3-4	1.6	NDR 0.209	NDR 5.97	21.3	524	167	< 1.32	< 1.66	NDR 4.44	1.19	< 3.94	8	3.47	82.1	81.1	9.93
6-7	1.21	NDR 0.730	4.95	12.9	286	101	< 1.98	NDR 5.13	8.39	1.28	< 4.00	7.53	4.49	75.3	72.9	9.75
9-10	NDR 0.904	< 0.094	NDR 1.74	4.7	96.6	35.5	< 0.857	1.13	NDR 0.969	0.676	< 1.93	2.11	1.21	16.7	18.9	5.56
12-14	0.364	< 0.155	0.659	2.77	57.3	22.7	< 0.352	< 0.505	0.625	0.223	< 1.11	1.53	0.653	10.5	12	3.34
12-14 (Duplicate)	NDR 0.427	< 0.092	NDR 1.30	2.31	47.7	20.7	< 0.458	< 0.579	0.522	NDR 0.286	< 1.30	1.03	0.614	8.49	10.3	3.5
14-16	< 0.234	< 0.179	< 0.213	K 1.46	31.6	10.7	< 1.05	< 1.40	< 0.945	< 0.526	< 0.734	0.597	0.333	5.92	6.67	K 1.68
18-20	< 0.123	< 0.100	< 0.118	0.509	6.59	1.97	< 0.429	< 0.542	< 0.315	< 0.197	< 1.58	< 0.358	NDR 0.298	1.2	NDR 1.33	0.623
25-30	< 0.115	< 0.100	< 0.118	< 0.251	2.78	0.794	< 0.339	< 0.444	< 0.239	< 0.155	< 0.525	NDR 0.256	< 0.093	NDR 0.485	NDR 0.357	0.156
Core 4																
1-2	< 0.279	< 0.214	< 0.253	5.68	131	33.3	< 0.999	< 1.33	< 0.899	< 0.491	< 0.831	1.82	0.673	15.3	14.8	K 1.27
1-2																
14-16	K 0.217	< 0.111	< 0.135	3.56	88	31.1	< 0.668	< 0.891	K 0.613	< 0.343	< 0.531	0.952	K 0.608	12.2	14.6	1.84
30-35	0.268	< 0.219	K 0.701	2.78	52.6	23.3	< 0.422	< 0.551	K 1.03	K 0.195	< 0.606	K 0.981	0.54	8.52	11.7	1.71
30-35 (Duplicate)	0.209	< 0.136	K 0.711	2.99	58.7	25.8	< 0.279	< 0.365	0.965	K 0.194	< 0.535	0.804	0.388	8.63	12.1	1.97

Table 8: Continued.

Sample Depth (cm)	Br4-DPE-75	Br4-DPE-77	Br4-DPE-79	Br5-DPE-85	Br5-DPE-99	Br5-DPE-100	Br5-DPE-105	Br5-DPE-116	Br5-DPE-119/120	Br5-DPE-126	Br6-DPE-128	Br6-DPE-138/166	Br6-DPE-140	Br6-DPE-153	Br6-DPE-154	Br6-DPE-155
Core 5																
0-1	NDR 0.212	< 0.099	< 0.099	0.902	30.6	13.7	< 0.777	< 1.17	< 0.711	< 0.385	< 0.678	NDR 0.298	NDR 0.224	5.07	6.32	0.839
1-2	< 0.349	< 0.277	0.638	K 1.09	37.1	18.8	< 0.502	< 0.656	K 0.495	< 0.233	< 0.752	0.452	K 0.332	5.54	9.28	1.31
3-4	NDR 0.186	< 0.106	< 0.106	1.31	46.6	26.6	< 0.755	< 1.14	NDR 0.805	< 0.369	< 0.506	0.663	NDR 0.409	7.66	12.8	1.76
6-7	NDR 0.217	< 0.123	< 0.153	NDR 1.15	34.8	20	< 0.387	< 0.592	NDR 0.388	< 0.197	< 0.482	0.524	0.293	5.56	8.9	NDR 1.47
9-10	NDR 0.193	NDR 0.144	NDR 0.489	1.28	32.7	19.1	< 0.753	< 0.986	< 0.531	< 0.344	< 1.38	NDR 0.601	NDR 0.379	5.93	9.67	NDR 1.45
12-14	0.225	< 0.096	< 0.096	NDR 1.21	37.9	21.2	< 0.370	< 0.539	NDR 0.696	< 0.178	< 0.302	0.514	NDR 0.353	6.54	11.6	2.07
14-16	< 0.226	< 0.177	K 0.373	1.45	38.5	20	< 0.279	K 1.13	0.889	0.189	< 0.677	0.593	K 0.388	6.94	11.4	2.42
18-20	NDR 0.173	< 0.090	< 0.104	0.782	24	13.8	< 0.518	< 0.793	NDR 0.551	< 0.275	< 0.399	0.511	0.262	4.45	7.67	2.03
25-30	< 0.134	< 0.093	< 0.116	< 0.275	4.19	1.63	< 0.321	< 0.491	< 0.313	< 0.165	< 0.391	< 0.181	< 0.123	NDR 0.872	1.09	0.554
45-50	< 0.372	< 0.299	< 0.360	0.244	3.48	0.874	< 0.294	< 0.384	< 0.242	< 0.133	< 0.766	< 0.372	< 0.254	0.601	K 0.341	< 0.180
Core 6																
0-1	NDR 0.149	< 0.088	< 0.103	1.27	38.8	13.8	< 0.401	NDR 0.816	< 0.392	< 0.212	< 0.477	NDR 0.475	NDR 0.145	4.87	5.47	NDR 0.671
1-2	NDR 0.157	< 0.091	NDR 0.395	1.08	28.5	10.4	< 0.394	< 0.516	0.312	< 0.173	< 0.878	NDR 0.722	0.316	4.11	4.88	0.531
3-4	< 0.154	< 0.116	< 0.132	0.603	32	13.7	< 0.654	< 1.00	< 0.639	< 0.361	< 0.516	NDR 0.308	NDR 0.225	4.75	6.12	NDR 0.866
6-7	NDR 0.116	< 0.090	< 0.091	0.721	26.1	12.1	< 0.364	< 0.556	NDR 0.393	< 0.193	< 0.295	< 0.215	NDR 0.213	3.93	5.32	0.763
9-10	0.179	0.11	0.45	1.21	35.4	14.9	< 0.337	< 0.484	0.413	< 0.138	< 0.315	NDR 0.462	0.257	5.65	7.3	0.989
12-14	NDR 0.162	< 0.095	< 0.095	0.801	27.8	12.9	< 0.344	< 0.501	0.375	< 0.165	< 0.216	0.344	NDR 0.199	4.43	6.17	0.992
14-16	0.157	< 0.090	NDR 0.333	1.08	30.7	13.6	< 0.378	< 0.494	NDR 0.427	NDR 0.189	< 1.13	NDR 0.446	NDR 0.321	4.53	7.21	1.19
18-20	0.21	< 0.095	< 0.095	NDR 1.06	40.3	18.1	< 0.466	< 0.680	< 0.449	< 0.232	< 0.376	NDR 0.534	0.293	6.51	9.44	1.84
25-30	NDR 0.110	< 0.094	< 0.094	0.531	20.4	8.78	< 0.240	< 0.350	NDR 0.265	< 0.116	< 0.285	NDR 0.189	NDR 0.225	3.07	4.78	1.17
40-45	< 0.133	< 0.116	< 0.136	0.276	5.7	1.66	< 0.338	< 0.442	< 0.238	< 0.153	< 1.34	NDR 0.534	< 0.146	NDR 1.10	NDR 1.22	NDR 0.387
Core 7																
0-1	< 0.111	< 0.111	< 0.111	0.851	25.1	9.82	< 0.240	< 0.350	< 0.231	< 0.114	< 0.244	NDR 0.342	NDR 0.116	3.35	4.3	0.544
1-2	0.103	< 0.092	0.114	0.919	27.3	10.7	< 0.140	< 0.174	K 0.190	0.1	< 0.292	0.463	K 0.197	3.89	4.58	0.579
3-4	< 0.097	< 0.097	< 0.097	0.501	18.9	7.93	< 0.206	< 0.300	0.255	< 0.103	< 0.256	0.193	0.148	2.8	3.92	0.558
6-7	< 0.097	< 0.097	< 0.097	0.466	13.3	6.18	< 0.249	< 0.343	< 0.210	< 0.113	< 0.258	NDR 0.197	NDR 0.144	2	3.01	NDR 0.560
9-10	< 0.100	< 0.088	NDR 0.312	0.916	23.3	8.96	< 0.441	< 0.576	< 0.310	< 0.209	< 1.03	NDR 0.610	NDR 0.216	3.63	4.23	0.781
12-14	< 0.096	< 0.096	< 0.096	NDR 0.189	4.65	1.6	< 0.158	< 0.218	< 0.134	< 0.096	< 0.348	< 0.117	< 0.096	0.649	NDR 0.761	NDR 0.194
18-20	< 0.101	< 0.101	< 0.101	0.363	8.6	3.06	< 0.283	< 0.390	< 0.239	< 0.126	< 0.381	NDR 0.159	0.115	1.12	1.44	NDR 0.204
25-30	< 0.096	< 0.096	NDR 0.115	NDR 0.302	6.07	1.95	< 0.249	< 0.343	< 0.210	< 0.116	< 0.460	< 0.248	< 0.166	NDR 0.627	1.05	0.187
40-44	< 0.226	< 0.174	< 0.207	0.295	4.87	0.937	< 0.328	< 0.447	< 0.281	< 0.162	< 0.815	0.456	< 0.206	K 1.50	0.549	< 0.146
Cores/Sample Depth																
8/1-2	< 0.166	< 0.166	< 0.166	NDR 1.26	31.1	12.3	< 0.413	< 0.561	1.18	< 0.201	< 0.676	NDR 0.602	NDR 0.354	4.87	6.38	1.28
9/1-2	< 0.169	NDR 0.295	NDR 1.04	0.921	27.2	14.8	< 0.634	< 0.862	0.636	< 0.291	< 0.906	NDR 0.353	< 0.169	4.13	7.35	NDR 2.42
10/0-1	< 0.417	< 0.417	< 0.417	0.942	31.4	15.5	< 0.461	NDR 0.784	0.5	< 0.417	< 1.93	< 0.417	< 0.417	4.62	6.31	1.57
11/0-1	< 0.261	< 0.261	< 0.261	2.14	59.2	21.5	< 0.684	< 0.928	NDR 0.693	< 0.310	< 1.30	0.874	0.442	9.85	12.4	1.66
12/0-1	< 0.189	< 0.189	< 0.189	0.646	18.3	8.87	< 0.339	< 0.461	< 0.290	< 0.189	< 0.959	NDR 0.418	NDR 0.211	3.01	3.76	1.05
13/0-1	< 0.145	< 0.145	0.211	0.566	14.8	6.87	< 0.233	< 0.316	0.226	< 0.145	< 0.640	NDR 0.151	< 0.145	2.29	3.1	NDR 0.866
14/0-1	NDR 0.240	< 0.107	< 0.107	NDR 1.58	54.1	24.6	< 0.479	< 0.650	< 0.410	< 0.218	< 0.771	0.935	0.588	9.21	13.8	3.73
15/0-1	NDR 0.116	< 0.101	< 0.101	NDR 0.902	20.7	7.44	< 0.196	< 0.288	NDR 0.195	< 0.101	< 0.702	NDR 0.315	NDR 0.135	3.63	3.34	0.471
16/0-1	< 0.100	< 0.100	NDR 0.669	< 0.489	30.8	11.8	< 0.638	< 0.842	< 0.500	< 0.333	< 1.49	NDR 0.271	NDR 0.313	4.34	5.55	0.93
17/0-1	< 0.260	< 0.260	< 1.60	< 1.45	68.1	26.9	< 1.89	< 2.49	< 1.48	< 1.02	< 2.66	NDR 0.801	NDR 0.427	NDR 10.1	13.8	3.26

Table 8: Continued.

Sample Depth (cm)	Br4-DPE-75	Br4-DPE-77	Br4-DPE-79	Br5-DPE-85	Br5-DPE-99	Br5-DPE-100	Br5-DPE-105	Br5-DPE-116	Br5-DPE-119/120	Br5-DPE-126	Br6-DPE-128	Br6-DPE-138/166	Br6-DPE-140	Br6-DPE-153	Br6-DPE-154	Br6-DPE-155
18/0-1	< 0.130	< 0.117	< 0.458	NDR 0.443	14.4	5.11	< 0.401	NDR 1.29	< 0.314	< 0.221	< 1.42	NDR 0.138	NDR 0.155	2.39	2.52	0.412
19/0-1	NDR 0.124	< 0.095	< 0.519	1.11	30.1	13.5	< 0.445	< 0.608	< 0.362	< 0.228	< 1.03	0.611	NDR 0.463	4.23	5.82	NDR 1.25
20/0-1	NDR 0.194	< 0.144	< 0.738	NDR 1.25	32.1	14.5	< 1.45	< 1.98	< 1.18	< 0.795	< 1.98	NDR 0.714	NDR 0.700	NDR 5.52	6.91	NDR 1.84
21/0-1	< 0.535	< 0.535	NDR 1.04	NDR 3.47	96.4	44.4	< 2.94	4.59	< 2.39	< 1.70	< 5.88	NDR 3.31	NDR 1.45	14.3	24.2	NDR 3.97
22/0-1	< 0.260	< 0.260	< 1.06	< 1.15	32.3	14.1	< 1.52	< 2.08	< 1.24	< 0.833	< 3.52	NDR 2.34	< 0.260	NDR 4.89	NDR 7.59	NDR 2.01
Sediment Traps																
A1 TOP	0.954	< 0.246	5.7	34.9	739	165	< 0.863	< 1.18	3.84	< 0.408	K 1.15	9.29	2.8	85.2	69.7	4.62
A1 BOT	0.698	< 0.167	2.69	25.7	528	128	< 0.502	< 0.684	3.96	< 0.230	< 1.05	6.49	2.34	60.2	54.2	4.46
B1 TOP	< 0.261	< 0.197	K 0.516	2.41	60.5	17.3	< 0.279	< 0.381	K 0.379	< 0.132	< 0.907	1.04	K 0.330	7.48	7.67	0.881
B1 BOT	< 0.381	< 0.289	K 0.716	K 2.18	57.4	17.6	< 0.413	< 0.564	0.611	< 0.200	< 0.898	0.913	< 0.304	7.29	8.09	0.887

Table 8: Continued.

Sample Depth (cm)	Br7-DPE-181	Br7-DPE-183	Br7-DPE-190	Br8-DPE-203	Br9-DPE-206	Br9-DPE-207	Br9-DPE-208	Br10-DPE-209
Core 1								
0-1	< 0.347	1.28	< 0.543	NDR 4.53	24.6	30.3	NDR 28.4	536
1-2	< 0.503	K 1.10	< 0.703	K 2.85	13.1	K 15.0	K 10.7	451
3-4	< 0.534	1.65	< 0.837	3.17	NDR 14.7	19	16.6	307
6-7	< 0.803	NDR 0.953	< 1.26	3.51	NDR 15.7	NDR 26.1	NDR 19.2	343
9-10	NDR 0.409	NDR 0.452	< 0.631	NDR 1.83	NDR 7.84	12	NDR 7.12	193
12-14	< 0.444	0.439	< 0.696	NDR 1.35	NDR 9.91	8.48	NDR 7.23	105
14-16	< 0.423	K 0.375	< 0.593	1.07	6.54	6.48	6.78	200
18-20	< 0.825	NDR 1.29	< 1.29	1.88	NDR 7.86	11.1	8.49	139
25-30	< 1.12	1.27	< 1.71	NDR 3.78	NDR 18.5	NDR 23.0	NDR 24.1	253
50-55	< 0.826	K 0.669	< 1.16	K 1.59	K 10.7	K 8.18	K 6.51	164
Core 2								
0-1	< 1.08	7.64	< 1.61	7.13	50.9	53.1	32.6	1240
1-2	< 0.609	11.2	< 0.866	10.1	83.7	77.5	71.3	2070
3-4	< 0.993	6.44	< 1.43	3.65	25.6	NDR 21.2	16.7	1250
6-7	< 0.376	6.61	0.603	4.28	51.3	52.6	31.7	1850
9-10	< 1.67	9.09	< 2.35	6.19	39.2	27.1	18.9	1810
12-14	< 0.821	3.17	< 1.18	2.09	NDR 14.0	NDR 12.8	9.41	703
14-16	< 0.283	1.4	< 0.402	1.52	K 14.5	12.1	10.7	365
18-20	< 0.329	0.436	< 0.462	0.78	5.47	4.53	NDR 3.26	235
25-30	< 0.954	5.3	< 1.34	< 0.576	< 3.87	NDR 2.19	< 3.02	NDR 96.5
35-40	< 0.406	K 0.309	< 0.577	0.695	K 2.83	K 3.93	3.6	K 66.5
Core 3								
0-1	< 4.86	41	8.3	83.1	555	646	624	8400
0-1 (Duplicate)	< 3.52	46.2	6.72	79.5	501	614	563	7260
1-2	< 1.41	44.4	< 1.95	32.7	300	210	183	7140
3-4	< 3.02	39	6.56	83.9	535	616	586	8520
6-7	< 3.40	38.5	8.54	82	522	644	620	7780
9-10	< 2.23	15.3	3.86	29.1	188	246	204	4540
12-14	< 0.955	7.47	< 1.39	15	140	134	115	2720
12-14 (Duplicate)	< 1.51	7.89	< 2.29	17.1	109	152	124	2710
14-16	< 0.387	4.93	< 0.534	4.99	54.6	39.3	32.8	1370
18-20	< 0.642	NDR 1.62	< 0.976	NDR 2.98	NDR 14.7	22	15.8	298
25-30	< 0.293	NDR 0.492	< 0.435	NDR 1.22	NDR 5.22	NDR 8.78	NDR 6.55	150
Core 4								
1-2	< 0.354	3.55	< 0.488	3.95	29.2	27.1	23.9	637
1-2								
14-16	< 0.398	3.03	< 0.549	3.31	26.7	20.6	K 17.2	538
30-35	< 0.513	4.23	< 0.718	K 4.62	35.3	26.8	18.8	824
30-35 (Duplicate)	< 0.470	3.17	< 0.658	3.04	23.3	23.9	17.5	642

Table 8: Continued.

Sample Depth (cm)	Br7-DPE-181	Br7-DPE-183	Br7-DPE-190	Br8-DPE-203	Br9-DPE-206	Br9-DPE-207	Br9-DPE-208	Br10-DPE-209
Core 5								
0-1	< 0.326	NDR 2.28	< 0.478	NDR 2.16	10.5	9.34	9.25	371
1-2	< 0.589	2	< 0.825	K 3.81	27.5	28.3	K 22.0	666
3-4	< 0.491	1.96	< 0.721	5.92	NDR 25.3	32.7	26.5	618
6-7	< 0.428	2.17	< 0.631	4.75	20.9	25.9	18.5	546
9-10	< 0.606	2.48	< 0.899	6.04	NDR 18.2	NDR 23.5	26.2	476
12-14	< 0.286	2.13	< 0.432	NDR 4.19	19.8	NDR 19.8	NDR 15.4	411
14-16	< 0.521	2.5	< 0.729	K 3.06	20.1	18.4	13.3	609
18-20	< 0.337	2.57	< 0.498	4.1	16.1	19.6	NDR 16.5	388
25-30	< 0.157	1.1	< 0.231	NDR 1.49	NDR 7.58	NDR 9.35	8.67	176
45-50	< 0.500	K 0.319	< 0.700	< 0.163	4.24	K 2.96	2.36	63.7
Core 6								
0-1	< 0.314	1.79	< 0.464	3.33	20	24.2	18.5	505
1-2	< 0.740	1.53	< 1.10	NDR 4.06	14.1	17.7	20.4	300
3-4	< 0.322	1.44	< 0.475	1.98	8.6	11.4	10.6	223
6-7	< 0.176	1.19	< 0.260	NDR 1.99	6.4	9.22	7.77	199
9-10	< 0.277	2.75	< 0.403	2.47	NDR 12.8	13.1	12.8	239
12-14	< 0.159	1.2	< 0.240	1.57	8.99	7.99	8.25	208
14-16	< 0.355	NDR 2.18	< 0.526	4.76	25.1	44.7	36.4	707
18-20	< 0.285	1.8	< 0.429	NDR 3.09	23.1	NDR 20.8	16.6	471
25-30	< 0.115	1.18	< 0.173	1.89	8.6	8.98	8.63	185
40-45	< 0.575	0.865	< 0.852	2.69	NDR 8.98	14.8	13.1	241
Core 7								
0-1	< 0.111	NDR 1.02	< 0.115	NDR 1.23	NDR 6.54	6.2	6.15	151
1-2	0.368	1.7	K 0.766	3.67	10.4	22.3	15.8	173
3-4	< 0.163	0.911	< 0.245	1.97	NDR 9.35	10.6	NDR 10.1	279
6-7	< 0.097	0.686	< 0.148	NDR 0.842	6.98	6.55	5.38	168
9-10	< 0.454	1.04	< 0.673	NDR 2.89	10.2	11.8	NDR 11.8	NDR 140
12-14	< 0.123	0.236	< 0.194	NDR 0.616	NDR 2.78	3.42	2.23	74.6
18-20	< 0.147	0.372	< 0.233	0.791	6.61	NDR 8.29	5.7	219
25-30	< 0.096	NDR 0.285	< 0.150	NDR 0.382	NDR 2.48	3.86	2.86	70.4
40-44	< 1.31	5.54	< 1.85	14.9	144	138	99.6	4310
Cores/Sample Depth								
8/1-2	< 0.280	2.52	< 0.494	NDR 3.06	NDR 27.4	42.8	NDR 27.4	475
9/1-2	< 0.178	NDR 1.73	< 0.315	3.37	21.1	NDR 33.7	22.8	581
10/0-1	< 0.595	NDR 2.89	NDR 1.51	NDR 13.4	150	218	136	2720
11/0-1	< 0.261	2.72	< 0.332	4.17	NDR 31.9	59.9	32.1	446
12/0-1	< 0.189	2	< 0.189	NDR 2.23	NDR 18.5	NDR 32.6	NDR 15.6	304
13/0-1	< 0.145	1.12	< 0.165	2.02	16.8	NDR 24.1	16	315
14/0-1	< 0.392	6.86	< 0.691	6.8	45.4	87.9	52.3	946
15/0-1	< 0.103	1.7	NDR 0.364	1.58	10	18.7	NDR 12.1	272
16/0-1	< 0.164	1.66	< 0.290	NDR 2.69	20.7	31.1	NDR 12.7	554
17/0-1	< 0.328	NDR 2.71	< 0.578	NDR 3.40	50.8	57.8	NDR 40.7	930

Table 8: Continued.

Sample Depth (cm)	Br7-DPE-181	Br7-DPE-183	Br7-DPE-190	Br8-DPE-203	Br9-DPE-206	Br9-DPE-207	Br9-DPE-208	Br10-DPE-209
18/0-1	< 0.108	0.62	< 0.191	1.1	9.24	NDR 12.8	NDR 8.35	NDR 212
19/0-1	NDR 0.542	2.27	NDR 0.240	NDR 2.58	17.3	22.6	13.4	407
20/0-1	< 0.267	3.38	< 0.484	NDR 4.10	NDR 27.2	45.1	33.4	726
21/0-1	< 1.25	NDR 9.74	< 2.27	16.8	NDR 94.4	141	94	1990
22/0-1	< 0.260	NDR 3.71	NDR 1.03	NDR 5.62	27.4	56.5	46.8	863
Sediment Traps								
A1 TOP	< 1.11	24.7	1.6	17.6	123	119	84.9	4080
A1 BOT	< 0.982	24.3	1.98	16.2	128	123	86.3	4450
B1 TOP	< 0.463	2.36	< 0.652	2.43	11.7	12.7	10.5	336
B1 BOT	< 0.644	K 2.13	< 0.906	K 1.73	9.09	15	8.82	339

Table 9: Results of the PAH analysis in sediment cores and traps. All measurements are reported in ng/g dry weight. NDR = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration. Blank cells indicate the variable was not quantified.

Sample Depth (cm)	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benz[a]anthracene	Chrysene	Benzo[b/j/k]fluoranthene	Benzo[e]pyrene	Benzo[a]pyrene	Perylene	Dibenz[ah]anthracene	Indeno[1,2,3-cd]pyrene	Benzo[ghi]perylene	C1-Naphthalenes	C2-Naphthalenes	C3-Naphthalenes	C4-Naphthalenes	C1-Fluorenes	C2-Fluorenes	C3-Fluorenes	C4-Fluorenes	C1-Dibenzothiophenes	C2-Dibenzothiophenes	C3-Dibenzothiophenes	C1 Phenanthrenes/Anthracenes	C2 Phenanthrenes/Anthracenes	C3-Phenanthrenes/Anthracenes	C4-Phenanthrenes/Anthracenes	C1-Fluoranthenes/Pyrenes	C2-Fluoranthenes/Pyrenes	C3-Fluoranthenes/Pyrenes	C4-Fluoranthenes/Pyrenes	Total PAH
Core 1																																							
1-2	75.6	7.51	3.38	9.64	62.6	10.6	62.2	54.5	26.1	34.9	70.1	34	31.1	47.8	7.53	42.8	48.7	112	222	245	107	19	37.7	33.7	9.32	12.4	14.7	8.47	117	100	48.6	117	51.5	50.5	25	2.22	1962
14-16	55	7.94	2.15	7.35	54.9	8.54	52.4	53.500	21.700	25.600	71.600	33.50	31.90	39.40	7.04	51.3	61.3	81.8	188	225	123	17.3	38.1	34.6	13.3	11.2	13.1	8.07	106	89.9	47.2	110	44.7	44.2	12.7	4.6	1798
50-55	10.8	0.828	0.842	3.42	16	1.71	10.4	9	4.71	6.23	16.5	7.49	6.22	24.1	NDR 1.84	12.1	14.6	23.3	63.5	60.9	30.4	6.56	14.9	10.5	5.02	3.92	4.17	2.33	40.5	31.5	15.3	36.7	14.8	15.9	4.27	1.22	530.6
Core 2																																					
1-2	70.3	13.9	7.5	11.7	79.6	21.2	107	108	50.3	59.4	108	48.5	65.4	45.6	10.4	44	49.6	66.7	94.6	67.2	32.8	15.8	25.1	32.1	13.2	8.74	14.5	11.9	79	54.9	27.5	96.5	70.4	49.2	14.7	5.15	1680
3-4	40.5	10.8	4.02	6.51	51.2	14.4	73.7	78.6	38.2	37.7	74	42.4	48.7	32.1	10.3	36.5	42.1	20.1	32	32.8	19.6	8.37	15.2	17.5	7.58	3.89	4.21	3.8	48.4	31.7	14.5	44.3	48	25.7	5.23	1.14	1026
14-16	89.3	41	14.9	26	196	64.6	316	328	154	157	268	133	186	72.4	29.6	111	118	61.8																			
35-40	40.5	10.8	4.02	6.51	51.2	14.4	73.7	78.6	38.2	37.7	74	42.4	48.7	32.1	10.3	36.5	42.1	20.1																			
Core 3																																					
1-2	17.2	1.49	2.7	5.98	26.5	6.04	30.9	27.7	11.9	17.1	24.5	12.5	12.8	32.8	NDR 2.76	NDR 10.3	11.4	29	50.5	34.6	17.3	8.43	13.6	20.5	16.9	4.19	7.3	6.29	37.9	31.1	16.6	54.4	21.6	17.6	7.36	1.97	638.7
14-16	25	2.85	2.91	5.76	26.4	5.34	28.7	27.5	11.8	19.5	26.1	16.2	13.2	43.2	NDR 4.07	9.47	12.1	36.2	60.8	47.6	24.8	11.7	21.2	22.9	8.96	4.88	8.68	8.48	40.3	33.6	18.8	43.9	22.2	19.1	6.02	2.04	718.2
40-45	57.3	6.73	7.31	10.1	46.2	10.2	52.2	48.1	18.6	25.3	35.9	23.5	18.7	37.5	NDR 5.27	12.7	15.7	36.5	49.3	40.6	23.7	9.36	25.1	20	8.65	5.25	10.4	9.65	37.5	31.5	16.8	46.5	26.7	18.5	3.93	2.44	848.4
Core 4																																					
1-2	19.5	2.3	2.55	5.29	23.9	5.6	18.5	16.4	6.9	10.8	13.4	6.75	6.54	36.8	NDR 1.33	4.51	6.24	37.8	91.7	50.3	22.1	10.6	22.7	35.4	14.5	4.14	7.52	5.59	40.1	32.7	15.6	79.2	18.6	19	5.13	2.06	700.7
1-2 (Duplicate)	14.9	0.948	2.3	5.05	22	5.44	16.8	14.6	8.69	13.7	13.5	6.14	6.86	28.9	NDR 1.24	4.06	5.51	31.4	56.1	36.3	15.4	7.93	14.6	21.7	7.74	3.36	5.28	3.34	34.7	27.1	11.7	68.3	19.4	14.4	4.52	1.53	554.2
14-16	13.2	0.898	1.85	5.18	20.7	3.48	16.5	14.4	9.32	11.8	16.6	8.59	7.73	32.2	NDR 1.63	4.75	5.96	34.7	63.3	47.9	21.2	9.76	15	25	6.39	3.44	5.09	3.5	36.2	29.3	13.7	46.9	16.7	17	5.83	1.65	575.7
30-35	17.2	1.89	2.11	5.89	24	3.99	22.2	19.2	7.55	11.4	17	10.2	7.95	61.5	NDR 2.27	5.65	7.73	35.9	65.8	50.2	22.8	10.3	22.8	23.1	6.47	4.37	7.34	5.9	38.6	35.8	18.4	44.4	18.2	18.6	5.34	1.25	661
Core 5																																					
1-2	33.6	1.73	NDR 2.00	8	38.1	4.39	23.2	20.3	9.25	15.9	22.3	11.1	11.5	34.1	NDR 2.14	9.32	11.6	82.9	143	110	51.1	18.4	32	30.1	9.85	7.32	8.93	5.46	77.9	55.4	23.5	57.1	26.2	27.4	9	2.76	1033
14-16	26.2	2.17	2.36	7.99	43.8	5.54	30.5	27.3	12.2	20.5	31.4	17.4	14.9	63.7	NDR 4.07	13.1	16.4	77.2	151	146	76.1	23.8	51.7	45	11.4	8.25	11.7	7.68	91.3	79.7	32.2	69.5	33.4	34.2	8.53	3.64	1298
45-50	20.2	4.23	NDR 1.97	5.77	37.5	6.92	35.7	36.4	15	22.8	37.1	21.7	19.9	39.4	NDR 4.06	16.7	20.7	44.1	89.8	89.2	46.7	14.1	27.5	28.8	9.68	6.43	9.57	7.97	67	48.4	22.7	51.4	30.2	25.1	5.9	2.4	967
Core 7																																					
1-2	12.8	1.13	NDR 1.09	4.34	25.6	4	15.9	14.6	6.34	10.8	14	6.63	7.3	28.1	NDR 1.35	5.71	6.88	40.7	77.9	69.1	34.6	13.3	23.3	25.1	8.02	4.43	5.14	2.82	51.3	36.4	14.9	42.2	18	17.8	7.85	1.55	658.5
14-16	10.6	2.31	NDR 0.952	4.56	28.5	4	18.5	21.3	7.75	11.6	17.6	8.69	9.7	52.4	NDR 1.58	8.39	11.1	30.7	68.8	64.9	32.2	12.2	22.8	24.4	6.64	4.6	5.88	3.6	56.2	39.3	17.6	42.7	21.2	21.2	4.42	1.46	697.8
40-44	4.35	<0.169	NDR 0.593	3.28	13.3	0.649	1.75	2.37	0.78	3.52	2.23	1.89	0.616	178	NDR 0.361	NDR 0.584	1.69	18.2	46.2	47.3	25.1	8.64	15.4	14.8	3.29	2.92	2.97	1.5	36	27.9	12	42.9	9.99	13.2	2.42	1.17	546.3
Sediment Trap																																					
A1 BOT	22	1.71	3.2	8.4	38.1	8.4	37.9	34.4	10.6	20.9	24.9	12	10.8	35	NDR 2.66	9.61	12.8	59.1	92.2	84.8	35.5	16.3	30.5	34.9	10.3	6.13	8.64	7.47	81.3	50.3	24.9	75	28.2				936.3
B1 TOP	23.8	1.25	1.92	8.3	42.7	5.96	25.8	23.1	NDR 7.26	15.1	16.2	8.1	7.51	30.4	NDR 1.88	6.28	8.74	77.6	124	124	60.5	23.7	44	42.6	7.06	6.03	8.66	4.37	89.8	59.8	1.53	66.2	26.8				991.8
B1 BOT	24.3	1.42	2.13	9.07	46.2	6.78	29.4	26.9	NDR 9.46	17.3	19.9	9.82	9.22	33.9	NDR 2.19	7.69	9.7	80.5	128	117	56.9	23.7	40.5	37	7.92	7.27	7.88	4.2	87.4	59.3	26.1	76.2	30				1044

Table 10: Results of the NPEO analysis. Values reported in ng/g dry weight. < = less than the detection limit, number following this symbol represents the detection limit.

Sample Depth (cm)	4-Nonylphenols	4-Nonylphenol monoethoxylates	4-Nonylphenol diethoxylates
Core 1			
1-2	<6.05	<25.21	<60.82
14-16	<7.14	<24.25	<55.22
50-55	<6.48	<30.8	<69.68
Core 2			
1-2	131	403	292
14-16	153	<35.21	<65.35
35-40	<3.40	<7.219	<27.37
Core 3			
1-2	373	979	557
14-16	176	45.7	57.3
40-45	31.4	<5.93	<21.7
Core 4			
1-2	<4.11	<20.6	<45.9
14-16	<5.35	<13.8	<51.7
30-35	51	39.1	<20.4
30-35 (Duplicate)	50.5	35.2	<16.7
Core 5			
1-2	<6.00	<12.3	<46
14-16	24	<13.9	<38.5
45-50	12.4	<8.49	<29.8
Core 7			
1-2	<6.33	<21.6	<54.4
14-16	<5.89	<7.66	<32.1
40-44	<3.84	<6.05	<24.6

Table 11: Results of the metals and lead isotope analysis for IONA stations 8 and 15 in the depth-sectioned Smyth-Macintyre grabs.

Sampling Interval (cm down grab)	% Water	Al (%)	Fe (%)	Mg (%)	Ca (%)	Ba (µg/g)	Mn (µg/g)	AVS (µmol/g p.s.)	Cd (µg/g)	Mo (µg/g)	U (µg/g)	Re (µg/g)	As (µg/g)	Ag (µg/g)	Co (µg/g)	Cr (µg/g)	Ni (µg/g)	Cu (µg/g)	Zn (µg/g)	Pb (µg/g)	Pb (206/207)	Pb (206/208)	Pb (206/204)
Station: IONA 8 Latitude: 49° 12' 28.8 **Replicate: 1 Longitude: 123° 17' 60.0** **Water Depth: 80 m**																							
0-1cm	50.340	7.164	4.308	1.728	1.997	577.711	481.426	1.033	0.405	1.506	1.827	3.196	8.303	0.725	15.462	91.534	47.979	43.926	107.249	13.169	1.210	0.488	18.954
1-2cm	50.721	7.339	4.408	1.751	2.100	596.268	488.174	3.836	0.422	1.505	1.807	3.511	8.334	0.506	15.212	75.453	47.824	44.486	107.841	13.008	1.209	0.488	18.932
2-3cm	44.850	7.082	4.209	1.685	1.893	609.516	475.295	4.324	0.411	1.426	1.890	3.157	7.870	0.451	15.248	70.000	47.142	41.186	102.124	12.392	1.209	0.489	18.956
3-4cm	44.784	6.984	4.138	1.674	1.880	579.535	478.781	58.045	0.422	1.509	1.795	3.507	8.061	0.473	15.425	76.064	47.861	45.256	101.514	12.498	1.206	0.486	18.920
4-5cm	42.428	6.890	4.006	1.613	1.912	566.426	463.313	5.393	0.401	1.672	1.718	3.621	7.837	0.456	15.124	65.926	46.226	38.828	98.725	12.267	1.210	0.488	18.940
5-6cm	41.801	6.929	4.066	1.612	1.957	567.568	458.054	4.354	0.387	1.808	1.758	3.287	7.683	0.478	14.986	38.459	45.475	39.270	97.743	12.035	1.214	0.489	19.020
6-7cm	36.473	7.001	4.129	1.674	1.910	572.715	488.004	21.040	0.381	2.203	1.908	3.629	7.959	0.558	15.450	89.332	48.458	42.164	101.254	12.578	1.204	0.487	19.004
7-8cm	34.759	6.886	4.064	1.602	1.962	557.083	473.819	72.287	0.374	1.860	1.939	3.643	6.998	0.541	15.352	92.528	47.757	38.681	98.111	12.763	1.207	0.488	19.062
8-9cm	32.050	7.277	4.319	1.707	1.995	603.750	504.125	2.564	0.369	1.644	1.809	3.527	7.694	0.519	15.428	96.250	48.466	44.681	102.708	14.131	1.194	0.483	18.708
9-10cm	34.089	7.170	4.287	1.680	1.903	579.237	487.462	45.392	0.305	2.013	2.035	3.462	7.279	0.541	15.698	86.565	50.238	38.513	101.433	14.049	1.203	0.486	18.931
Station: IONA 8 Latitude: 49° 12' 28.8 **Replicate: 2 Longitude: 123° 17' 60.0** **Water Depth: 80 m**																							
0-1cm	54.297	7.306	4.402	1.765	1.955	589.980	490.195	2.034	0.431	1.436	1.757	3.246	9.681	0.523	15.489	87.876	48.523	31.932	109.894	14.196	1.209	0.490	18.994
1-2cm	47.967	7.261	4.389	1.714	1.796	585.442	483.862	38.727	0.400	1.574	1.869	3.230	9.648	0.509	15.850	87.406	49.669	29.790	108.648	13.637	1.215	0.490	18.997
2-3cm	48.897	7.398	4.413	1.704	1.785	600.353	481.490	3.341	0.394	1.495	1.795	5.569	8.620	0.488	15.665	79.608	49.269	29.853	106.071	13.588	1.214	0.486	19.017
3-4cm	47.214	7.401	4.419	1.739	1.831	596.077	487.725	5.448	0.364	1.949	1.927	3.628	7.895	0.497	15.757	78.885	49.908	28.740	110.237	14.118	1.215	0.489	18.959
4-5cm	39.514	7.250	4.226	1.680	2.180	586.765	483.865	1.734	0.336	1.599	1.795	3.433	7.498	0.440	15.355	47.037	47.490	24.280	101.404	13.879	1.204	0.485	18.907
5-6cm	37.044	7.200	4.350	1.679	1.858	582.969	488.824	35.273	0.311	1.788	2.039	3.531	7.665	0.489	16.404	94.705	51.537	27.029	103.947	15.610	1.197	0.485	18.806
6-7cm	39.530	7.278	4.398	1.733	1.869	585.211	503.544	29.196	0.285	1.710	2.034	3.666	7.791	0.444	16.384	94.352	51.722	27.303	105.295	16.158	1.200	0.484	18.810
7-8cm	39.712	7.678	4.626	1.768	1.823	619.739	510.199	3.979	0.271	1.745	2.163	3.529	8.025	0.444	16.354	62.775	52.464	29.420	110.060	17.367	1.198	0.486	18.799
8-9cm	39.496	7.578	4.603	1.755	1.920	611.369	515.046	3.921	0.262	1.888	1.997	3.120	8.148	0.442	16.499	94.633	52.258	29.344	109.990	17.173	1.200	0.486	18.765
9-10cm	40.315	7.629	4.694	1.789	1.843	618.333	520.556	9.984	0.241	2.215	2.272	3.927	8.331	0.456	17.154	90.227	55.005	30.281	113.075	18.673	1.200	0.486	18.805
Station: IONA 15 Latitude: 49° 07' 48.0 **Replicate: 1 Longitude: 123° 18' 39.6** **Water Depth: 80 m**																							
0-1cm	47.417	7.250	4.099	1.729	1.897	566.414	519.562	0.830	0.239	1.019	1.664	2.631	8.121	0.249	11.508	87.249	49.244	22.869	93.343	11.483	1.218	0.489	19.168
1-2cm	47.419	7.226	4.030	1.731	1.919	576.586	516.201	0.598	0.249	0.966	1.632	2.741	7.221	0.243	11.625	66.289	48.149	23.361	96.679	21.854	1.217	0.492	19.042
2-3cm	44.743	7.503	4.215	1.714	1.912	571.667	501.056	0.845	0.237	1.085	1.796	2.886	6.795	0.255	11.505	30.722	49.800	23.014	92.917	11.428	1.218	0.486	19.156
3-4cm	41.960	7.334	4.044	1.712	1.944	580.630	514.970	1.125	0.234	0.979	1.711	2.601	6.408	0.248	11.920	65.262	48.704	22.152	94.898	11.189	1.220	0.489	19.197
4-5cm	38.899	7.018	4.418	1.709	1.952	563.182	517.488	1.606	0.221	0.922	1.580	2.648	6.318	0.231	11.851	40.630	47.926	21.623	92.231	10.969	1.215	0.489	19.145
5-6cm	38.433	7.136	4.443	1.722	1.989	579.627	517.396	1.425	0.226	1.012	1.616	2.922	6.924	0.257	11.843	32.667	48.645	20.575	95.324	11.321	1.219	0.488	19.115
6-7cm	37.466	7.023	4.320	1.712	2.189	581.980	532.910	0.873	0.237	1.187	1.695	2.699	6.066	0.260	11.509	95.928	49.371	18.130	92.596	11.073	1.222	0.490	19.191
7-8cm	36.182	7.107	4.379	1.718	1.954	601.201	530.098	1.126	0.244	1.062	1.601	2.611	7.556	0.252	11.911	79.811	49.796	22.268	98.703	11.941	1.217	0.490	19.028
8-9cm	37.648	6.933	4.268	1.707	1.922	590.398	528.667	5.843	0.235	1.088	1.763	2.597	6.712	0.261	12.251	92.562	51.140	21.711	96.396	11.663	1.222	0.489	19.156
9-10cm	33.678	7.111	4.413	1.703	1.955	590.360	530.502	0.758	0.243	1.036	1.702	2.996	7.648	0.267	12.080	80.076	51.054	23.373	95.905	12.096	1.218	0.488	19.160
10+cm	34.616	7.135	4.418	1.638	2.162	572.765	512.935	3.739	0.231	1.218	1.652	3.357	6.875	0.249	12.011	34.835	49.223	21.082	92.153	11.296	1.223	0.490	19.126
Station: IONA 15 Latitude: 49° 07' 48.0 **Replicate: 2 Longitude: 123° 18' 39.6** **Water Depth: 80 m**																							
0-1cm	45.581	7.050	4.374	1.705	1.939	577.927	509.549	0.557	0.246	0.992	1.685	2.862	8.222	0.254	15.494	32.055	50.743	21.669	93.604	11.611	1.224	0.490	19.097
1-2cm	44.309	6.905	4.313	1.683	1.973	562.351	497.810	0.756	0.229	0.986	1.631	2.918	7.260	0.252	15.116	26.929	49.463	22.110	91.222	11.422	1.225	0.489	19.168
2-3cm	42.487	7.011	4.330	1.736	1.982	575.339	520.482	0.947	0.242	1.046	1.724	2.795	7.106	0.258	15.493	32.699	50.453	21.892	92.255	11.431	1.224	0.489	19.187
3-4cm	40.577	7.043	4.381	1.709	1.950	581.083	508.010	0.598	0.227	1.093	1.685	3.071	7.246	0.251	15.512	34.656	50.030	23.632	93.742	11.558	1.218	0.490	19.166
4-5cm	39.403	7.107	4.440	1.726	1.968	587.115	519.300	0.628	0.230	0.958	1.595	2.686	6.865	0.246	15.135	95.247	49.339	22.909	94.832	11.360	1.222	0.490	19.170
5-6cm	38.219	7.101	4.368	1.719	1.972	579.661	519.143	0.444	0.234	1.067	1.781	2.828	6.481	0.255	15.440	94.151	49.683	20.930	94.193	11.487	1.220	0.490	19.190
6-7cm	36.031	7.059	4.387	1.702	1.944	580.292	512.307	0.737	0.217	1.011	1.635	2.709	7.329	0.243	15.244	43.375	49.514	22.811	93.710	11.719	1.221	0.489	19.179

Table 11: Continued.

Sampling Interval (Down core depth in cm)	Hg (ng/g)	K (%)	Na (%)	Ti (µg/g)	S (µg/g)	P (µg/g)
Station: IONA 8 Replicate: 1						
0-1cm	77.245	1.644	2.714	4254.960	2771.888	827.139
1-2cm	84.148	1.682	2.782	4190.781	2886.232	874.125
2-3cm	74.522	1.581	2.612	4226.860	2700.969	828.266
3-4cm	236.898	1.566	2.569	4191.671	2642.636	781.260
4-5cm	549.222	1.501	2.525	3975.467	2605.859	784.041
5-6cm	70.403	1.500	2.503	3922.541	2577.027	766.203
6-7cm	68.434	1.558	2.420	4201.080	2758.984	788.676
7-8cm	155.380	1.508	2.308	4200.250	2463.889	737.569
8-9cm	64.289	1.615	2.374	4453.583	2500.000	806.194
9-10cm	76.715	1.573	2.365	4292.870	2479.389	773.660
Station: IONA 8 Replicate: 1						
0-1cm	46.126	1.668	2.899	4315.653	2841.833	811.665
1-2cm	84.970	1.654	2.548	4267.348	2892.885	751.167
2-3cm	597.828	1.674	2.727	4292.318	2868.627	755.355
3-4cm	82.694	1.688	2.654	4293.235	2957.500	732.213
4-5cm	98.758	1.605	2.565	4138.784	2526.863	699.616
5-6cm	98.151	1.611	2.442	4273.336	2428.125	702.625
6-7cm	101.758	1.672	2.415	4360.960	2354.789	719.243
7-8cm	97.428	1.748	2.436	4099.442	2423.293	721.492
8-9cm	102.903	1.718	2.414	4233.137	2608.365	743.624
9-10cm	85.212	1.775	2.379	4438.380	2796.067	754.401
Station: IONA 15 Replicate: 1						
0-1cm	37.674	1.581	2.567	4289.926	1512.948	803.299
1-2cm	52.939	1.600	2.623	4181.910	1557.430	773.837
2-3cm	60.707	1.586	2.515	4231.486	1550.000	722.306
3-4cm	55.833	1.600	2.472	4330.795	1525.203	718.197
4-5cm	59.066	1.563	2.370	4048.449	1409.684	689.472
5-6cm	55.357	1.605	2.362	4201.551	1420.588	718.873
6-7cm	53.197	1.571	2.412	4587.842	1430.800	665.826
7-8cm	53.973	1.628	2.356	4219.774	1493.701	705.663
8-9cm	50.194	1.623	2.332	4396.335	1572.908	715.422
9-10cm	59.280	1.610	2.246	4461.294	1431.818	748.496
10+cm	53.761	1.529	2.235	4396.096	1454.902	710.088
Station: IONA 15 Replicate: 2						
0-1cm	81.473	1.566	2.549	4332.673	1424.187	783.431
1-2cm	41.403	1.529	2.463	4204.009	1415.672	750.280
2-3cm	56.282	1.599	2.460	4345.898	1531.076	743.088
3-4cm	69.299	1.578	2.368	4235.799	1489.567	757.130
4-5cm	69.571	1.573	2.420	4417.069	1455.336	758.020
5-6cm	76.789	1.607	2.399	4452.683	1556.175	714.167
6-7cm	93.492	1.592	2.302	3949.403	1522.568	712.693

Table 12: Results of the benthic taxonomic analysis performed on the depth-sectioned grabs taken at station IONA 8 and IONA 15. All coding is as per the system employed by Biological Environmental Services

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 8	**Replicate 1**							
CNHY	0090	0019	*Campanularia groenlandica*	1			1	0-1
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	0-1
MOBI	0462	0060	*Axinopsida serricata*	72	1		73	0-1
MOBI	0472	0160	*Compsomyax subdiaphana*			2	2	0-1
MOBI	0414	0220	*Ennucula tenuis*		1		1	0-1
MOBI	0456	0520	*Macoma calcarea*			2	2	0-1
MOBI	0456	0530	*Macoma carlottensis*		111	75	186	0-1
MOBI	0456	0540	*Macoma elimata*		1		1	0-1
MOBI	0456	0570	*Macoma* sp.			1	1	0-1
MOBI	0472	0747	*Nutricola* sp.	1	12		13	0-1
MOBI	0418	0760	*Pandora bilirata*	1			1	0-1
MOBI	0392	0800	*Parvilucina tenuisculpta*		1		1	0-1
MOBI	0384	0860	*Rochefortia tumida*	1			1	0-1
MOGA	0610	0041	*Alvania compacta*	2			2	0-1
MOGA	0516	0090	*Astyris gausapata*		1		1	0-1
MOGA	0606	0680	*Odostomia* sp.		1		1	0-1
MOSC	0647	0063	*Pulsellum salishorum*	1			1	0-1
NTEA	0148	0170	*Cerebratulus californiensis*		1		1	0-1
POER	0214	0320	*Eteone spilotus*	1			1	0-1
POER	0198	0615	*Lumbrineris cruzensis*	1			1	0-1
POER	0202	0710	*Nephtys cornuta*	3			3	0-1
POER	0198	1040	*Scoletoma luti*	1			1	0-1
POSE	0242	0042	*Ampharete* nr. *acutifrons*	3	1		4	0-1
POSE	0248	0450	*Capitella capitata* complex	4			4	0-1
POSE	0274	0720	*Galathowenia oculata*	3			3	0-1
POSE	0270	1140	*Ophelina acuminata*	2			2	0-1
POSE	0310	1220	*Paraprionospio pinnata*		1		1	0-1
ECOP	1074	0070	*Ophiura* sp.			1	1	1-2
MOBI	0462	0060	*Axinopsida serricata*	24	1		25	1-2
MOBI	0456	0530	*Macoma carlottensis*		45	34	79	1-2
MOBI	0472	0747	*Nutricola* sp.	4			4	1-2
MOBI	0384	0860	*Rochefortia tumida*	1			1	1-2
MOBI	0478	1020	*Yoldia seminuda*			1	1	1-2
MOGA	0610	0041	*Alvania compacta*	4			4	1-2
MOGA	0516	0090	*Astyris gausapata*	1			1	1-2
MOSC	0647	0063	*Pulsellum salishorum*	1			1	1-2
POER	0180	0500	*Glycera nana*	1			1	1-2
POER	0202	0710	*Nephtys cornuta*	1			1	1-2
POSE	0248	0683	*Decamastus* nr. *gracilis*		1		1	1-2
POSE	0270	1140	*Ophelina acuminata*	1			1	1-2
CNHY	0090	0019	*Campanularia groenlandica*	1			1	2-3
MOBI	0462	0060	*Axinopsida serricata*	20	2		22	2-3
MOBI	0456	0520	*Macoma calcarea*			2	2	2-3
MOBI	0456	0530	*Macoma carlottensis*	2	45	11	58	2-3
MOBI	0472	0747	*Nutricola* sp.	2	2		4	2-3
MOBI	0418	0760	*Pandora bilirata*		1		1	2-3
MOBI	0392	0800	*Parvilucina tenuisculpta*		1		1	2-3
MOGA	0610	0041	*Alvania compacta*	3			3	2-3
MOSC	0647	0063	*Pulsellum salishorum*	1			1	2-3
NTEA	0000	0001	Nemertea indet.			1	1	2-3
POER	0214	0360	*Eumida longicornuta*	1			1	2-3
POER	0182	0530	*Glycinde armigera*	1			1	2-3
POER	0202	0710	*Nephtys cornuta*	1			1	2-3
POER	0224	0890	*Pholoe minuta*	1			1	2-3
POSE	0242	0051	*Ampharete* nr. *finmarchica*	2			2	2-3
POSE	0274	0720	*Galathowenia oculata*	1			1	2-3

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 8	Replicate 1							
MOBI	0462	0060	*Axinopsida serricata*	11			11	3-4
MOBI	0456	0520	*Macoma calcarea*			3	3	3-4
MOBI	0456	0530	*Macoma carlottensis*		47	8	55	3-4
MOBI	0472	0747	*Nutricola* sp.		4		4	3-4
MOGA	0528	0250	*Cylichna attonsa*		1		1	3-4
POER	0180	0500	*Glycera nana*	1			1	3-4
POER	0198	0615	*Lumbrineris cruzensis*	1			1	3-4
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	3-4
POSE	0280	1250	*Pectinaria granulata*	1			1	3-4
POSE	0314	1420	*Pista wui*		1		1	3-4
CNHY	0090	0019	*Campanularia groenlandica*	1			1	4-5
MOBI	0462	0060	*Axinopsida serricata*	8			8	4-5
MOBI	0414	0220	*Ennucula tenuis*		3		3	4-5
MOBI	0392	0280	*Lucinoma annulatum*			1	1	4-5
MOBI	0456	0520	*Macoma calcarea*			2	2	4-5
MOBI	0456	0530	*Macoma carlottensis*	1	39	3	43	4-5
MOBI	0472	0747	*Nutricola* sp.	1	3		4	4-5
MOBI	0392	0800	*Parvilucina tenuisculpta*	2			2	4-5
MOGA	0610	0041	*Alvania compacta*	2			2	4-5
MOGA	0528	0250	*Cylichna attonsa*	1			1	4-5
POER	0180	0500	*Glycera nana*		1		1	4-5
POER	0204	0760	*Nereis procera*	1			1	4-5
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	4-5
POSE	0310	1820	*Spiophanes berkeleyorum*	1			1	4-5
CNHY	0090	0019	*Campanularia groenlandica*	1	1		2	5-6
MOBI	0462	0060	*Axinopsida serricata*	3			3	5-6
MOBI	0414	0220	*Ennucula tenuis*	1			1	5-6
MOBI	0456	0520	*Macoma calcarea*			2	2	5-6
MOBI	0456	0530	*Macoma carlottensis*	9	21	2	32	5-6
MOBI	0472	0747	*Nutricola* sp.	1	1		2	5-6
MOBI	0478	1020	*Yoldia seminuda*		1		1	5-6
MOGA	0610	0041	*Alvania compacta*	1			1	5-6
MOGA	0606	0820	*Turbonilla* sp.	1			1	5-6
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1			1	5-6
CNHY	0090	0019	*Campanularia groenlandica*	2			2	6-bot
CROS	0682	0060	*Euphilomedes producta*	1			1	6-bot
MOBI	0462	0060	*Axinopsida serricata*	33			33	6-bot
MOBI	0472	0160	*Compsomyax subdiaphana*			1	1	6-bot
MOBI	0414	0220	*Ennucula tenuis*	1			1	6-bot
MOBI	0456	0530	*Macoma carlottensis*	6	95	23	124	6-bot
MOBI	0456	0540	*Macoma elimata*		4	1	5	6-bot
MOBI	0456	0550	*Macoma nasuta*		1		1	6-bot
MOBI	0472	0747	*Nutricola* sp.	4	16		20	6-bot
MOBI	0392	0800	*Parvilucina tenuisculpta*	2			2	6-bot
MOBI	0384	0860	*Rochefortia tumida*	1			1	6-bot
MOBI	0478	1020	*Yoldia seminuda*	1	2		3	6-bot
MOGA	0610	0041	*Alvania compacta*	6			6	6-bot
MOGA	0516	0090	*Astyris gausapata*		3		3	6-bot
POER	0180	0500	*Glycera nana*	14	5		19	6-bot
POER	0182	0530	*Glycinde armigera*	5			5	6-bot
POER	0198	0615	*Lumbrineris cruzensis*	2	1		3	6-bot
POER	0202	0710	*Nephtys cornuta*	1			1	6-bot
POER	0204	0760	*Nereis procera*	2			2	6-bot
POER	0214	0940	*Phyllodoce groenlandica*	1			1	6-bot
POER	0186	1025	*Podarkeopsis perkinsi*	1			1	6-bot
POER	0198	1040	*Scoletoma luti*	3			3	6-bot
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	6-bot

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 8	**Replicate 1**							
POSE	0252	0122	*Aphelochaeta* sp. 2	5			5	6-bot
POSE	0252	0125	*Aphelochaeta* sp. N-1	1			1	6-bot
POSE	0276	0180	*Aricidea lopezi*	1			1	6-bot
POSE	0248	0450	*Capitella capitata* complex	1			1	6-bot
POSE	0254	0660	*Cossura pygodactylata*	1			1	6-bot
POSE	0248	0683	*Decamastus* nr. *gracilis*	11			11	6-bot
POSE	0310	0697	*Dipolydora cardalia*	1			1	6-bot
POSE	0266	0713	*Euclymene* nr. *zonalis*	2			2	6-bot
POSE	0274	0720	*Galathowenia oculata*	1			1	6-bot
POSE	0248	0750	*Heteromastus filobranchus*	13			13	6-bot
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1			1	6-bot
POSE	0310	1605	*Prionospio (Prionospio) jubata*	6	1		7	6-bot
POSE	0310	1820	*Spiophanes berkeleyorum*	1			1	6-bot
POSE	0312	1860	*Sternaspis* nr. *fossor*	1			1	6-bot
Station IONA 8	**Replicate 2**							
CNHY	0090	0019	*Campanularia groenlandica*	4			4	0-1
MOBI	0414	0020	*Acila castrensis*		1	1	2	0-1
MOBI	0462	0060	*Axinopsida serricata*	52	1		53	0-1
MOBI	0472	0160	*Compsomyax subdiaphana*			3	3	0-1
MOBI	0414	0220	*Ennucula tenuis*		1		1	0-1
MOBI	0392	0280	*Lucinoma annulatum*			2	2	0-1
MOBI	0456	0520	*Macoma calcarea*			3	3	0-1
MOBI	0456	0530	*Macoma carlottensis*		32	11	43	0-1
MOBI	0412	0700	*Nuculana hamata*		1		1	0-1
MOBI	0472	0747	*Nutricola* sp.	4	33		37	0-1
MOBI	0418	0760	*Pandora bilirata*	1			1	0-1
MOBI	0392	0800	*Parvilucina tenuisculpta*		2		2	0-1
MOGA	0516	0090	*Astyris gausapata*	3	6		9	0-1
MOGA	0544	0385	*Eulima* sp.	1			1	0-1
MOGA	0606	0680	*Odostomia* sp.		1		1	0-1
MOGA	0606	0820	*Turbonilla* sp.	2			2	0-1
MOSC	0647	0063	*Pulsellum salishorum*	1			1	0-1
POER	0198	0615	*Lumbrineris cruzensis*	1			1	0-1
POER	0202	0710	*Nephtys cornuta*	1			1	0-1
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	0-1
POSE	0280	1250	*Pectinaria granulata*		1		1	0-1
POSE	0310	1640	*Prionospio (Prionospio) steensi*	1			1	0-1
CNHY	0090	0019	*Campanularia groenlandica*	1			1	1-2
MOBI	0462	0060	*Axinopsida serricata*	14	2		16	1-2
MOBI	0456	0530	*Macoma carlottensis*	14	2		16	1-2
MOBI	0456	0540	*Macoma elimata*		4		4	1-2
MOBI	0478	0585	*Megayoldia martyria*			1	1	1-2
MOBI	0472	0747	*Nutricola* sp.	1	2		3	1-2
MOBI	0384	0860	*Rochefortia tumida*	2			2	1-2
POSE	0310	1605	*Prionospio (Prionospio) jubata*	2			2	1-2
CNHY	0090	0019	*Campanularia groenlandica*	3			3	2-3
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	2-3
MOBI	0462	0060	*Axinopsida serricata*	10			10	2-3
MOBI	0456	0530	*Macoma carlottensis*	2	9	1	12	2-3
MOBI	0456	0540	*Macoma elimata*		1		1	2-3
MOBI	0472	0747	*Nutricola* sp.	1	2		3	2-3
MOBI	0384	0860	*Rochefortia tumida*	1			1	2-3
MOGA	0516	0090	*Astyris gausapata*		1		1	2-3
ECOP	1058	0040	*Amphiodia urtica*	1	1		2	3-4
MOBI	0462	0060	*Axinopsida serricata*	9			9	3-4

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 8	**Replicate 2**							
MOBI	0456	0530	*Macoma carlottensis*	5	9	1	15	3-4
MOBI	0456	0540	*Macoma elimata*		1		1	3-4
MOBI	0478	0585	*Megayoldia martyria*			1	1	3-4
MOBI	0472	0747	*Nutricola* sp.		3		3	3-4
MOBI	0392	0800	*Parvilucina tenuisculpta*	1			1	3-4
MOBI	0478	1020	*Yoldia seminuda*	1			1	3-4
MOGA	0512	0150	*Bittium munitum*	1			1	3-4
NTEA	0000	0001	Nemertea indet.			1	1	3-4
POER	0180	0500	*Glycera nana*	5	1		6	3-4
POER	0182	0530	*Glycinde armigera*	1			1	3-4
POER	0198	0615	*Lumbrineris cruzensis*	1			1	3-4
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	3-4
POSE	0248	0683	*Decamastus* nr. *gracilis*	1			1	3-4
POSE	0248	0750	*Heteromastus filobranchus*	1			1	3-4
POSE	0312	1860	*Sternaspis* nr. *fossor*	1	1		2	3-4
ECHO	1098	0150	*Pentamera pseudocalcigera*	1			1	4-5
MOBI	0462	0060	*Axinopsida serricata*	6	1		7	4-5
MOBI	0456	0530	*Macoma carlottensis*	1	6		7	4-5
MOBI	0472	0747	*Nutricola* sp.	1			1	4-5
MOGA	0606	0820	*Turbonilla* sp.	1			1	4-5
POER	0180	0500	*Glycera nana*	1			1	4-5
POER	0182	0530	*Glycinde armigera*	1			1	4-5
POER	0198	0615	*Lumbrineris cruzensis*	1			1	4-5
POER	0198	1040	*Scoletoma luti*	1			1	4-5
POSE	0280	1240	*Pectinaria californiensis*	1			1	4-5
CNHY	0090	0019	*Campanularia groenlandica*	1			1	5-6
MOBI	0462	0060	*Axinopsida serricata*	4			4	5-6
MOBI	0392	0280	*Lucinoma annulatum*			1	1	5-6
MOBI	0456	0530	*Macoma carlottensis*		2	1	3	5-6
MOBI	0472	0747	*Nutricola* sp.	1			1	5-6
MOBI	0384	0860	*Rochefortia tumida*	1			1	5-6
POSE	0248	0683	*Decamastus* nr. *gracilis*	1			1	5-6
POSE	0276	0850	*Levinsenia gracilis*	1			1	5-6
POSE	0248	0950	*Mediomastus* spp.		1		1	5-6
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1			1	5-6
MOBI	0462	0060	*Axinopsida serricata*	1			1	6-7
MOBI	0456	0530	*Macoma carlottensis*		1		1	6-7
MOBI	0456	0540	*Macoma elimata*		1		1	6-7
MOBI	0472	0747	*Nutricola* sp.	1			1	6-7
MOGA	0516	0090	*Astyris gausapata*			1	1	6-7
POER	0180	0500	*Glycera nana*	2			2	6-7
POER	0198	1040	*Scoletoma luti*	3			3	6-7
POSE	0266	0713	*Euclymene* nr. *zonalis*	2			2	6-7
MOBI	0462	0060	*Axinopsida serricata*	2			2	7-8
MOGA	0516	0090	*Astyris gausapata*		1		1	7-8
POER	0180	0500	*Glycera nana*	5			5	7-8
POER	0182	0530	*Glycinde armigera*	1			1	7-8
POER	0198	0615	*Lumbrineris cruzensis*	1			1	7-8
POSE	0248	0450	*Capitella capitata* complex		1		1	7-8
POSE	0248	0683	*Decamastus* nr. *gracilis*	8			8	7-8
POSE	0266	0713	*Euclymene* nr. *zonalis*	1			1	7-8
POSE	0248	0750	*Heteromastus filobranchus*	2			2	7-8
POSE	0276	0850	*Levinsenia gracilis*	2			2	7-8
POSE	0310	1220	*Paraprionospio pinnata*	1			1	7-8
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1			1	7-8
CNHY	0090	0019	*Campanularia groenlandica*	4			4	8-bot
MOBI	0462	0060	*Axinopsida serricata*	90	2		92	8-bot

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 8	**Replicate 2**							
MOBI	0414	0220	*Ennucula tenuis*		1		1	8-bot
MOBI	0392	0280	*Lucinoma annulatum*			1	1	8-bot
MOBI	0456	0520	*Macoma calcarea*			2	2	8-bot
MOBI	0456	0530	*Macoma carlottensis*	2	47	9	58	8-bot
MOBI	0456	0540	*Macoma elimata*		3	3	6	8-bot
MOBI	0472	0747	*Nutricola* sp.	5	22		27	8-bot
MOBI	0418	0760	*Pandora bilirata*		1		1	8-bot
MOBI	0392	0800	*Parvilucina tenuisculpta*	1			1	8-bot
MOBI	0478	1020	*Yoldia seminuda*		1	1	2	8-bot
MOGA	0516	0090	*Astyris gausapata*		3		3	8-bot
MOGA	0512	0150	*Bittium munitum*	2			2	8-bot
MOGA	0606	0680	*Odostomia* sp.		1		1	8-bot
MOGA	0606	0820	*Turbonilla* sp.	1			1	8-bot
NTEA	0156	0210	*Tubulanus polymorphus*	2			2	8-bot
POER	0214	0300	*Eteone longa* complex	1			1	8-bot
POER	0180	0500	*Glycera nana*	6			6	8-bot
POER	0182	0530	*Glycinde armigera*	1			1	8-bot
POER	0198	0615	*Lumbrineris cruzensis*	2			2	8-bot
POER	0204	0760	*Nereis procera*	2			2	8-bot
POER	0198	0780	*Ninoe gemmea*	1			1	8-bot
POER	0224	0890	*Pholoe minuta*	1			1	8-bot
POER	0224	0895	*Pholoe* sp. N-1	1			1	8-bot
POER	0198	1040	*Scoletoma luti*	2			2	8-bot
POSE	0252	0122	*Aphelochaeta* sp. 2	2			2	8-bot
POSE	0248	0383	*Barantolla* nr. *americana*	3			3	8-bot
POSE	0248	0450	*Capitella capitata* complex	1			1	8-bot
POSE	0248	0680	*Decamastus gracilis*	15			15	8-bot
POSE	0266	0713	*Euclymene* nr. *zonalis*	3			3	8-bot
POSE	0248	0750	*Heteromastus filobranchus*	13	2		15	8-bot
POSE	0248	0950	*Mediomastus* spp.	3			3	8-bot
POSE	0310	1220	*Paraprionospio pinnata*	1			1	8-bot
POSE	0280	1250	*Pectinaria granulata*	1			1	8-bot
POSE	0314	1420	*Pista wui*	1			1	8-bot
POSE	0310	1610	*Prionospio (Minuspio) lighti*	5			5	8-bot
POSE	0310	1605	*Prionospio (Prionospio) jubata*	3			3	8-bot
POSE	0310	1640	*Prionospio (Prionospio) steensi*	1			1	8-bot
POSE	0310	1820	*Spiophanes berkeleyorum*	1			1	8-bot
POSE	0312	1860	*Sternaspis* nr. *fossor*	2			2	8-bot
Station IONA 15	**Replicate 1**							
CNHY	0090	0019	*Campanularia groenlandica*	6			6	0-1
CRAM	0844	0600	*Heterophoxus affinis*	1	1		2	0-1
CRCU	0700	0055	*Diastylis alaskensis*	1			1	0-1
CRCU	0704	0125	*Eudorellopsis integra*	1			1	0-1
CROS	0682	0055	*Euphilomedes carcharodonta*	1			1	0-1
CROS	0682	0060	*Euphilomedes producta*	11			11	0-1
ECOP	1058	0040	*Amphiodia urtica*		1		1	0-1
ECOP	0000	0001	Ophiuroidea indet.			1	1	0-1
MOBI	0462	0060	*Axinopsida serricata*	69	47		116	0-1
MOBI	0456	0530	*Macoma carlottensis*		64	32	96	0-1
MOBI	0456	0540	*Macoma elimata*			4	4	0-1
MOBI	0472	0747	*Nutricola* sp.	2	12		14	0-1
MOBI	0418	0760	*Pandora bilirata*	1			1	0-1
MOBI	0478	1020	*Yoldia seminuda*		1		1	0-1
MOGA	0528	0245	*Cylichna alba*		2		2	0-1
MOGA	0606	0680	*Odostomia* sp.	1			1	0-1

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	Replicate 1							
MOSC	0647	0063	*Pulsellum salishorum*	4	1		5	0-1
NTEA	0000	0001	Nemertea indet.			9	9	0-1
NTEA	0154	0260	*Tetrastemma* sp.			1	1	0-1
POER	0198	0615	*Lumbrineris cruzensis*		1		1	0-1
POER	0202	0710	*Nephtys cornuta*	2			2	0-1
POER	0224	0900	*Pholoe* spp.	1			1	0-1
POER	0214	0940	*Phyllodoce groenlandica*		1		1	0-1
POER	0214	0960	*Phyllodoce* spp.			1	1	0-1
POSE	0242	0042	*Ampharete* nr. *acutifrons*	4			4	0-1
POSE	0260	0430	*Brada* spp.		2		2	0-1
POSE	0274	0720	*Galathowenia oculata*	11			11	0-1
POSE	0310	1220	*Paraprionospio pinnata*		1		1	0-1
POSE	0280	1240	*Pectinaria californiensis*		1		1	0-1
CROS	0682	0060	*Euphilomedes producta*	6			6	1-2
ECHO	1098	0150	*Pentamera pseudocalcigera*			1	1	1-2
MOBI	0462	0060	*Axinopsida serricata*	35	21		56	1-2
MOBI	0000	0001	Bivalvia indet.	1			1	1-2
MOBI	0456	0530	*Macoma carlottensis*		34	5	39	1-2
MOBI	0456	0540	*Macoma elimata*			1	1	1-2
MOBI	0472	0747	*Nutricola* sp.		1		1	1-2
MOBI	0478	1015	*Yoldia hyperborea*		1		1	1-2
MOGA	0606	0680	*Odostomia* sp.		1		1	1-2
MOSC	0647	0063	*Pulsellum salishorum*	3	1		4	1-2
MOSC	0648	0080	*Rhabdus rectius*			1	1	1-2
POER	0228	0460	*Exogone molesta*	1			1	1-2
POER	0198	0615	*Lumbrineris cruzensis*	1			1	1-2
POER	0202	0710	*Nephtys cornuta*	4			4	1-2
POER	0226	1080	*Sphaerodoropsis sphaerulifer*	1			1	1-2
POSE	0242	0042	*Ampharete* nr. *acutifrons*	2	2		4	1-2
POSE	0274	0720	*Galathowenia oculata*	12			12	1-2
POSE	0280	1240	*Pectinaria californiensis*	1	1		2	1-2
POSE	0310	1820	*Spiophanes berkeleyorum*		1		1	1-2
POSE	0312	1860	*Sternaspis* nr. *fossor*			1	1	1-2
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	2-3
CRCU	0704	0100	*Eudorella pacifica*	1			1	2-3
CROS	0682	0060	*Euphilomedes producta*	2			2	2-3
MOBI	0462	0060	*Axinopsida serricata*	15	9		24	2-3
MOBI	0456	0530	*Macoma carlottensis*		35	7	42	2-3
MOBI	0456	0570	*Macoma* sp.			2	2	2-3
NTEA	0000	0001	Nemertea indet.			1	1	2-3
POER	0202	0710	*Nephtys cornuta*	1			1	2-3
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	2-3
POSE	0260	0420	*Brada sachalina*	1			1	2-3
POSE	0260	0430	*Brada* spp.		1		1	2-3
POSE	0274	0720	*Galathowenia oculata*	4			4	2-3
POSE	0248	0950	*Mediomastus* spp.	1			1	2-3
POSE	0280	1250	*Pectinaria granulata*	1			1	2-3
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1			1	2-3
CRAM	0844	0600	*Heterophoxus affinis*	1	1		2	3-4
CRAM	0844	1515	*Rhepoxynius barnardi*	3			3	3-4
CRAM	0832	1620	*Westwoodilla caecula*	1			1	3-4
CROS	0682	0060	*Euphilomedes producta*	1			1	3-4
MOAP	0338	0030	*Chaetoderma argenteum*	1			1	3-4
MOBI	0462	0060	*Axinopsida serricata*	7	10		17	3-4
MOBI	0456	0530	*Macoma carlottensis*		24	2	26	3-4
MOBI	0478	1020	*Yoldia seminuda*			1	1	3-4

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	Replicate 1							
NTEA	0000	0004	Anopla sp. C (SCAMIT)	1			1	3-4
NTEA	0148	0170	*Cerebratulus californiensis*		1		1	3-4
POER	0198	0615	*Lumbrineris cruzensis*	1			1	3-4
POER	0202	0710	*Nephtys cornuta*	2			2	3-4
POER	0224	0895	*Pholoe* sp. N-1	1	1		2	3-4
POER	0198	1040	*Scoletoma luti*	1			1	3-4
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1	2		3	3-4
POSE	0260	0420	*Brada sachalina*	1			1	3-4
POSE	0274	0720	*Galathowenia oculata*	7			7	3-4
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1			1	3-4
POSE	0312	1860	*Sternaspis* nr. *fossor*		1		1	3-4
CRAM	0844	0600	*Heterophoxus affinis*	1	1		2	4-5
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	4-5
CRTA	0708	0015	*Araphura breviaria*	1			1	4-5
ECOP	1058	0040	*Amphiodia urtica*	2	1		3	4-5
MOBI	0462	0060	*Axinopsida serricata*		4		4	4-5
MOBI	0414	0220	*Ennucula tenuis*	1	1		2	4-5
MOBI	0456	0530	*Macoma carlottensis*		28	3	31	4-5
MOBI	0456	0540	*Macoma elimata*		1	1	2	4-5
MOBI	0384	0860	*Rochefortia tumida*	1			1	4-5
MOBI	0478	1020	*Yoldia seminuda*		1		1	4-5
POER	0182	0530	*Glycinde armigera*		1		1	4-5
POER	0202	0710	*Nephtys cornuta*	1			1	4-5
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	4-5
POSE	0274	0720	*Galathowenia oculata*	1			1	4-5
POSE	0312	1860	*Sternaspis* nr. *fossor*		2		2	4-5
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	5-6
CRTA	0708	0015	*Araphura breviaria*	1			1	5-6
ECOP	1058	0040	*Amphiodia urtica*	1			1	5-6
MOAP	0338	0030	*Chaetoderma argenteum*		1		1	5-6
MOBI	0462	0060	*Axinopsida serricata*	1	2		3	5-6
MOBI	0456	0530	*Macoma carlottensis*	1	19	1	21	5-6
MOBI	0456	0570	*Macoma* sp.			2	2	5-6
MOBI	0384	0860	*Rochefortia tumida*		1		1	5-6
MOBI	0478	1020	*Yoldia seminuda*		3		3	5-6
POER	0214	0300	*Eteone longa* complex	1			1	5-6
POER	0224	0895	*Pholoe* sp. N-1		1		1	5-6
POSE	0242	0042	*Ampharete* nr. *acutifrons*	4			4	5-6
POSE	0248	0683	*Decamastus* nr. *gracilis*	1			1	5-6
POSE	0276	0850	*Levinsenia gracilis*	1			1	5-6
POSE	0314	1420	*Pista wui*	1			1	5-6
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1			1	5-6
POSE	0310	1605	*Prionospio (Prionospio) jubata*	2			2	5-6
POSE	0312	1860	*Sternaspis* nr. *fossor*		2		2	5-6
POSE	0318	1990	*Trochochaeta multisetosa*	1			1	5-6
CNHY	0090	0019	*Campanularia groenlandica*	2			2	6-7
ECOP	1058	0040	*Amphiodia urtica*	2			2	6-7
MOBI	0462	0060	*Axinopsida serricata*		2		2	6-7
MOBI	0414	0220	*Ennucula tenuis*	1			1	6-7
MOBI	0456	0530	*Macoma carlottensis*		17		17	6-7
MOBI	0456	0540	*Macoma elimata*		1	1	2	6-7
MOBI	0478	1020	*Yoldia seminuda*	1	1		2	6-7
NTEA	0156	0210	*Tubulanus polymorphus*	2			2	6-7
POER	0180	0500	*Glycera nana*	1			1	6-7
POER	0182	0530	*Glycinde armigera*	1			1	6-7
POSE	0248	0683	*Decamastus* nr. *gracilis*	1			1	6-7
POSE	0310	0697	*Dipolydora cardalia*	1			1	6-7

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	Replicate 1							
POSE	0248	0950	*Mediomastus* spp.		1		1	6-7
POSE	0310	1220	*Paraprionospio pinnata*	1			1	6-7
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1	1		2	6-7
POSE	0312	1860	*Sternaspis* nr. *fossor*	1	1		2	6-7
CRAM	0844	1515	*Rhepoxynius barnardi*	3			3	7-8
ECOP	1058	0040	*Amphiodia urtica*	1	1		2	7-8
MOBI	0414	0220	*Ennucula tenuis*	1			1	7-8
MOBI	0456	0530	*Macoma carlottensis*	4	4		8	7-8
MOBI	0456	0540	*Macoma elimata*		3	1	4	7-8
MOBI	0472	0747	*Nutricola* sp.		1		1	7-8
MOBI	0478	1020	*Yoldia seminuda*		1		1	7-8
POER	0180	0500	*Glycera nana*	6			6	7-8
POER	0182	0530	*Glycinde armigera*	1			1	7-8
POER	0224	0895	*Pholoe* sp. N-1	1			1	7-8
POER	0198	1040	*Scoletoma luti*	3			3	7-8
POSE	0248	0683	*Decamastus* nr. *gracilis*	1	1		2	7-8
POSE	0266	0713	*Euclymene* nr. *zonalis*	1			1	7-8
POSE	0266	0710	Euclymeninae indet.	1			1	7-8
POSE	0310	0800	*Laonice cirrata*	1			1	7-8
POSE	0276	0850	*Levinsenia gracilis*	1			1	7-8
POSE	0310	1220	*Paraprionospio pinnata*	1			1	7-8
POSE	0312	1860	*Sternaspis* nr. *fossor*	1			1	7-8
MOBI	0462	0060	*Axinopsida serricata*		1		1	8-9
MOBI	0456	0530	*Macoma carlottensis*	5	2		7	8-9
MOBI	0456	0540	*Macoma elimata*		1	1	2	8-9
MOSC	0648	0080	*Rhabdus rectius*	1			1	8-9
POER	0214	0320	*Eteone spilotus*	1			1	8-9
POER	0180	0500	*Glycera nana*	6			6	8-9
POER	0182	0530	*Glycinde armigera*	2			2	8-9
POER	0198	0615	*Lumbrineris cruzensis*	2			2	8-9
POSE	0248	0683	*Decamastus* nr. *gracilis*	12	2		14	8-9
POSE	0310	0697	*Dipolydora cardalia*	1			1	8-9
POSE	0276	0850	*Levinsenia gracilis*	1			1	8-9
POSE	0248	0950	*Mediomastus* spp.		1		1	8-9
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1			1	8-9
POSE	0272	1747	*Scoloplos* nr. *acmeceps*	1			1	8-9
POER	0214	0300	*Eteone longa* complex	1			1	9-10
POER	0180	0500	*Glycera nana*	5			5	9-10
POER	0198	1040	*Scoletoma luti*	1			1	9-10
POSE	0248	0383	*Barantolla* nr. *americana*	1			1	9-10
POSE	0248	0680	*Decamastus gracilis*	12			12	9-10
POSE	0248	0750	*Heteromastus filobranchus*		1		1	9-10
POSE	0272	0820	*Leitoscoloplos pugettensis*	1			1	9-10
POSE	0266	1540	*Praxillella gracilis*	2			2	9-10
POSE	0266	1550	*Praxillella pacifica*	1			1	9-10
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1			1	9-10
POSE	0312	1860	*Sternaspis* nr. *fossor*	1			1	9-10
ANOL	1136	1136	Tubificidae indet.	1			1	10-bot
CNHY	0090	0019	*Campanularia groenlandica*	3			3	10-bot
CRAM	0844	0600	*Heterophoxus affinis*		1		1	10-bot
CRAM	0844	1515	*Rhepoxynius barnardi*	2			2	10-bot
CRDE	0932	0230	*Pinnixa occidentalis*	1	4		5	10-bot
CROS	0682	0060	*Euphilomedes producta*	9			9	10-bot
CRTA	0708	0015	*Araphura breviaria*	1			1	10-bot
ECOP	1058	0040	*Amphiodia urtica*	1	3		4	10-bot
ECOP	1074	0058	*Ophiura leptoctenia*		1		1	10-bot
MOBI	0414	0020	*Acila castrensis*		1		1	10-bot

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	**Replicate 1**							
MOBI	0462	0040	*Adontorhina cyclia*	1			1	10-bot
MOBI	0462	0060	*Axinopsida serricata*	69	43		112	10-bot
MOBI	0456	0530	*Macoma carlottensis*	8	88	24	120	10-bot
MOBI	0456	0540	*Macoma elimata*		4	5	9	10-bot
MOBI	0478	0585	*Megayoldia martyria*		2	1	3	10-bot
MOBI	0472	0747	*Nutricola* sp.		5		5	10-bot
MOBI	0418	0760	*Pandora bilirata*	3			3	10-bot
MOBI	0392	0800	*Parvilucina tenuisculpta*		1		1	10-bot
MOBI	0478	1020	*Yoldia seminuda*	1	3		4	10-bot
MOGA	0512	0150	*Bittium munitum*	1	2		3	10-bot
MOGA	0528	0250	*Cylichna attonsa*	1			1	10-bot
MOSC	0647	0063	*Pulsellum salishorum*	3			3	10-bot
NTEA	0000	0001	Nemertea indet.			14	14	10-bot
NTEA	0156	0210	*Tubulanus polymorphus*	1			1	10-bot
POER	0198	0280	*Eranno bicirrata*	1			1	10-bot
POER	0214	0300	*Eteone longa* complex	1			1	10-bot
POER	0180	0500	*Glycera nana*	4			4	10-bot
POER	0182	0530	*Glycinde armigera*			1	1	10-bot
POER	0182	0575	*Goniada brunnea*	1			1	10-bot
POER	0198	0615	*Lumbrineris cruzensis*	1	1		2	10-bot
POER	0220	0665	*Malmgreniella bansei*	2			2	10-bot
POER	0198	0780	*Ninoe gemmea*	1			1	10-bot
POER	0208	0830	*Onuphis iridescens*	2			2	10-bot
POER	0224	0900	*Pholoe* spp.		1		1	10-bot
POER	0198	1040	*Scoletoma luti*	1			1	10-bot
POER	0220	1200	*Tenonia priops*	1			1	10-bot
POSE	0242	0042	*Ampharete* nr. *acutifrons*	3			3	10-bot
POSE	0314	0340	*Artacama coniferi*	1			1	10-bot
POSE	0248	0383	*Barantolla* nr. *americana*	1			1	10-bot
POSE	0248	0680	*Decamastus gracilis*	18			18	10-bot
POSE	0248	0683	*Decamastus* nr. *gracilis*	3			3	10-bot
POSE	0266	0710	Euclymeninae indet.	1			1	10-bot
POSE	0274	0720	*Galathowenia oculata*	7			7	10-bot
POSE	0248	0750	*Heteromastus filobranchus*	5			5	10-bot
POSE	0266	0920	*Maldane sarsi*	1			1	10-bot
POSE	0280	1240	*Pectinaria californiensis*		1		1	10-bot
POSE	0266	1550	*Praxillella pacifica*	1	2		3	10-bot
POSE	0310	1610	*Prionospio (Minuspio) lighti*	5			5	10-bot
POSE	0310	1605	*Prionospio (Prionospio) jubata*	6			6	10-bot
POSE	0272	1747	*Scoloplos* nr. *acmeceps*	1			1	10-bot
SIPN	0330	0020	*Thysanocardia nigra*	1	2		3	10-bot
Station 15 (IONA)	**Replicate 2**							
CRAM	0832	1102	*Monoculodes brevirostris*	1			1	0-1
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	0-1
CRCU	0704	0100	*Eudorella pacifica*	1			1	0-1
CROS	0682	0060	*Euphilomedes producta*	4			4	0-1
MOBI	0462	0060	*Axinopsida serricata*	18	14		32	0-1
MOBI	0456	0530	*Macoma carlottensis*		24	6	30	0-1
MOBI	0472	0747	*Nutricola* sp.		2		2	0-1
MOBI	0478	1015	*Yoldia hyperborea*			1	1	0-1
MOSC	0647	0063	*Pulsellum salishorum*	1			1	0-1
NTEA	0148	0170	*Cerebratulus californiensis*		1		1	0-1
PLTY	0128	0128	Leptoplanidae indet.			2	2	0-1
POER	0220	0480	*Gattyana treadwelli*	1			1	0-1
POER	0202	0710	*Nephtys cornuta*	1			1	0-1

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	Replicate 2							
POSE	0242	0042	*Ampharete* nr. *acutifrons*		2	1	3	0-1
POSE	0274	0720	*Galathowenia oculata*	8	1		9	0-1
POSE	0310	1220	*Paraprionospio pinnata*		1		1	0-1
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1			1	0-1
POSE	0312	1860	*Sternaspis* nr. *fossor*		1		1	0-1
CRAM	0844	0600	*Heterophoxus affinis*		3		3	1-2
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	1-2
CROS	0682	0055	*Euphilomedes carcharodonta*	1			1	1-2
ECOP	1058	0040	*Amphiodia urtica*		2	1	3	1-2
MOBI	0462	0060	*Axinopsida serricata*	28	13		41	1-2
MOBI	0456	0530	*Macoma carlottensis*		67	4	71	1-2
MOBI	0456	0570	*Macoma* sp.			2	2	1-2
MOGA	0528	0250	*Cylichna attonsa*		1		1	1-2
MOSC	0647	0063	*Pulsellum salishorum*	1			1	1-2
MOSC	0648	0080	*Rhabdus rectius*	1			1	1-2
POER	0180	0500	*Glycera nana*	1			1	1-2
POER	0198	0615	*Lumbrineris cruzensis*		1		1	1-2
POER	0202	0710	*Nephtys cornuta*	4			4	1-2
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	1-2
POSE	0260	0420	*Brada sachalina*		1		1	1-2
POSE	0248	0683	*Decamastus* nr. *gracilis*		1		1	1-2
POSE	0274	0720	*Galathowenia oculata*	9	1		10	1-2
POSE	0310	0800	*Laonice cirrata*	1			1	1-2
POSE	0248	0950	*Mediomastus* spp.		1		1	1-2
POSE	0310	1220	*Paraprionospio pinnata*		3		3	1-2
CRAM	0844	0600	*Heterophoxus affinis*		1		1	2-3
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	2-3
CRCU	0704	0120	*Eudorellopsis longirostris*	1			1	2-3
CROS	0682	0060	*Euphilomedes producta*	2			2	2-3
ECHO	1092	0015	*Chirodota albatrossii*	1			1	2-3
MOBI	0462	0060	*Axinopsida serricata*	29	23		52	2-3
MOBI	0456	0520	*Macoma calcarea*			5	5	2-3
MOBI	0456	0530	*Macoma carlottensis*	1	76	9	86	2-3
MOBI	0456	0570	*Macoma* sp.			4	4	2-3
MOSC	0647	0063	*Pulsellum salishorum*	1			1	2-3
NTEA	0140	0160	*Amphiporus* sp.		2		2	2-3
POER	0182	0530	*Glycinde armigera*	3			3	2-3
POER	0198	0615	*Lumbrineris cruzensis*	1			1	2-3
POER	0202	0710	*Nephtys cornuta*	4			4	2-3
POER	0224	0895	*Pholoe* sp. N-1		2		2	2-3
POSE	0248	0683	*Decamastus* nr. *gracilis*		3	1	4	2-3
POSE	0274	0720	*Galathowenia oculata*	10	3		13	2-3
POSE	0280	1240	*Pectinaria californiensis*	1			1	2-3
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1			1	2-3
CRAM	0844	0600	*Heterophoxus affinis*	1			1	3-4
CRAM	0844	1515	*Rhepoxynius barnardi*	4	1		5	3-4
CROS	0682	0060	*Euphilomedes producta*	1			1	3-4
ECOP	1058	0040	*Amphiodia urtica*		1	1	2	3-4
MOBI	0462	0060	*Axinopsida serricata*	10	15		25	3-4
MOBI	0456	0530	*Macoma carlottensis*		56	9	65	3-4
MOBI	0456	0540	*Macoma elimata*		2	1	3	3-4
MOGA	0528	0250	*Cylichna attonsa*	1			1	3-4
NTEA	0156	0210	*Tubulanus polymorphus*	1			1	3-4
POER	0182	0530	*Glycinde armigera*	1			1	3-4
POER	0198	0615	*Lumbrineris cruzensis*	1			1	3-4
POER	0220	0666	*Malmgreniella berkeleyorum*	1			1	3-4
POER	0202	0710	*Nephtys cornuta*	1			1	3-4

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	Replicate 2							
POER	0224	0895	*Pholoe* sp. N-1	1			1	3-4
POER	0214	0940	*Phyllodoce groenlandica*	1			1	3-4
POER	0198	1040	*Scoletoma luti*	1			1	3-4
POSE	0266	0710	Euclymeninae indet.	1			1	3-4
POSE	0274	0720	*Galathowenia oculata*	10			10	3-4
POSE	0272	0820	*Leitoscoloplos pugettensis*	1			1	3-4
POSE	0276	0850	*Levinsenia gracilis*	1			1	3-4
POSE	0310	1605	*Prionospio (Prionospio) jubata*	3			3	3-4
SIPN	0330	0020	*Thysanocardia nigra*		1		1	3-4
CRAM	0844	0600	*Heterophoxus affinis*	1	1		2	4-5
CRAM	0844	1515	*Rhepoxynius barnardi*	2			2	4-5
CROS	0682	0060	*Euphilomedes producta*	1			1	4-5
ECOP	1058	0040	*Amphiodia urtica*	1	1		2	4-5
MOBI	0414	0020	*Acila castrensis*		1		1	4-5
MOBI	0462	0060	*Axinopsida serricata*	9	5		14	4-5
MOBI	0456	0530	*Macoma carlottensis*		19		19	4-5
MOBI	0456	0540	*Macoma elimata*			2	2	4-5
NTEA	0156	0210	*Tubulanus polymorphus*	1			1	4-5
POER	0180	0500	*Glycera nana*	1			1	4-5
POER	0202	0720	*Nephtys ferruginea*	1			1	4-5
POER	0198	1040	*Scoletoma luti*	1			1	4-5
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1	1		2	4-5
POSE	0276	0180	*Aricidea lopezi*	1			1	4-5
POSE	0252	0510	*Chaetozone* spp.		1		1	4-5
POSE	0248	0683	*Decamastus* nr. *gracilis*	3	1		4	4-5
POSE	0274	0720	*Galathowenia oculata*	10			10	4-5
POSE	0276	0850	*Levinsenia gracilis*	1			1	4-5
POSE	0280	1240	*Pectinaria californiensis*		1		1	4-5
POSE	0310	1605	*Prionospio (Prionospio) jubata*	5			5	4-5
POSE	0272	1747	*Scoloplos* nr. *acmeceps*	1			1	4-5
POSE	0312	1860	*Sternaspis* nr. *fossor*	2			2	4-5
CRAM	0844	0600	*Heterophoxus affinis*	1	1		2	5-6
CRAM	0844	1515	*Rhepoxynius barnardi*	1			1	5-6
CRCU	0700	0060	*Diastylis pellucida*	1			1	5-6
ECOP	1058	0040	*Amphiodia urtica*	3			3	5-6
MOAP	0338	0030	*Chaetoderma argenteum*		1		1	5-6
MOBI	0462	0060	*Axinopsida serricata*	4	1		5	5-6
MOBI	0414	0220	*Ennucula tenuis*	1			1	5-6
MOBI	0456	0530	*Macoma carlottensis*	1		1	2	5-6
MOBI	0456	0540	*Macoma elimata*		1		1	5-6
POER	0214	0320	*Eteone spilotus*	1			1	5-6
POER	0180	0500	*Glycera nana*	1			1	5-6
POER	0182	0530	*Glycinde armigera*	1			1	5-6
POER	0198	0615	*Lumbrineris cruzensis*	2			2	5-6
POER	0208	0840	*Onuphis* spp.	1			1	5-6
POER	0214	0940	*Phyllodoce groenlandica*	1			1	5-6
POER	0198	1040	*Scoletoma luti*	1	1		2	5-6
POSE	0276	0180	*Aricidea lopezi*	1			1	5-6
POSE	0248	0683	*Decamastus* nr. *gracilis*	6			6	5-6
POSE	0276	0850	*Levinsenia gracilis*	2			2	5-6
POSE	0248	0945	*Mediomastus ambiseta*	1			1	5-6
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1			1	5-6
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1			1	5-6
CRAM	0798	0500	*Eusirus columbianus*	1			1	6-bot
CRAM	0844	0600	*Heterophoxus affinis*		1		1	6-bot
CRAM	0848	1340	*Pleusymtes subglaber*	1			1	6-bot
CRAM	0832	1620	*Westwoodilla caecula*	1			1	6-bot

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	**Replicate 2**							
CROS	0682	0060	*Euphilomedes producta*	3			3	6-bot
ECHO	1096	0125	*Molpadia intermedia*	1			1	6-bot
ECOP	1058	0040	*Amphiodia urtica*	2	6		8	6-bot
MOAP	0338	0030	*Chaetoderma argenteum*		1		1	6-bot
MOBI	0462	0060	*Axinopsida serricata*	28	24		52	6-bot
MOBI	0414	0220	*Ennucula tenuis*	2			2	6-bot
MOBI	0456	0530	*Macoma carlottensis*	2	82	8	92	6-bot
MOBI	0456	0540	*Macoma elimata*	2	1	3	6	6-bot
MOBI	0472	0747	*Nutricola* sp.		1		1	6-bot
MOBI	0384	0860	*Rochefortia tumida*	1			1	6-bot
MOBI	0478	1020	*Yoldia seminuda*	1	1		2	6-bot
MOSC	0647	0063	*Pulsellum salishorum*	2			2	6-bot
MOSC	0648	0080	*Rhabdus rectius*	2			2	6-bot
NTEA	0156	0210	*Tubulanus polymorphus*	2			2	6-bot
POER	0214	0320	*Eteone spilotus*	3			3	6-bot
POER	0180	0500	*Glycera nana*	8			8	6-bot
POER	0182	0530	*Glycinde armigera*	7			7	6-bot
POER	0198	0615	*Lumbrineris cruzensis*	1			1	6-bot
POER	0202	0710	*Nephtys cornuta*	1			1	6-bot
POER	0198	0780	*Ninoe gemmea*	1			1	6-bot
POER	0224	0895	*Pholoe* sp. N-1	2			2	6-bot
POER	0224	0900	*Pholoe* spp.		1		1	6-bot
POER	0214	0940	*Phyllodoce groenlandica*	2			2	6-bot
POER	0198	1040	*Scoletoma luti*	3	1		4	6-bot
POSE	0242	0042	*Ampharete* nr. *acutifrons*	1			1	6-bot
POSE	0252	0125	*Aphelochaeta* sp. N-1	1			1	6-bot
POSE	0252	0495	*Chaetozone commonalis*	1			1	6-bot
POSE	0248	0683	*Decamastus* nr. *gracilis*	39	2		41	6-bot
POSE	0274	0720	*Galathowenia oculata*	7			7	6-bot
POSE	0248	0750	*Heteromastus filobranchus*	4			4	6-bot
POSE	0310	0800	*Laonice cirrata*	1			1	6-bot
POSE	0276	0850	*Levinsenia gracilis*	9			9	6-bot
POSE	0248	0945	*Mediomastus ambiseta*	1			1	6-bot
POSE	0248	0950	*Mediomastus* spp.	20			20	6-bot
POSE	0251	1342	*Phyllochaetopterus pottsi*	1			1	6-bot
POSE	0310	1610	*Prionospio (Minuspio) lighti*	3	1		4	6-bot
POSE	0310	1605	*Prionospio (Prionospio) jubata*	5			5	6-bot
POSE	0272	1747	*Scoloplos* nr. *acmeceps*	1			1	6-bot
POSE	0312	1860	*Sternaspis* nr. *fossor*	1			1	6-bot
POSE	0318	1990	*Trochochaeta multisetosa*	1			1	6-bot
SIPN	0330	0020	*Thysanocardia nigra*		1		1	6-bot

Table 13: Results of the benthic taxonomic analysis from grabs taken at the GVRD core locations. All coding is as per the system employed by Biological Environmental Services.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD-1								
CHAC	0673	0673	*Halacaridae indet.*	1	0	0	1	1
ECHO	1092	0015	*Chirodota albatrossii*	4	0	0	4	1
MOAP	0338	0050	*Falcidens longus*	2	0	0	2	1
POER	0202	0710	*Nephtys cornuta*	2	0	0	2	1
POER	0198	1040	*Scoletoma luti*	2	0	0	2	1
POSE	0276	0180	*Aricidea lopezi*	1	0	0	1	1
POSE	0316	1905	*Terebellides kobei*	1	0	0	1	1
CNAN	0082	0250	*Virgularia agassizii*	1	0	0	1	2
ECHO	1092	0015	*Chirodota albatrossii*	1	0	0	1	2
MOAP	0338	0050	*Falcidens longus*	1	0	0	1	2
POER	0220	0034	*Bylgides macrolepidus*	2	0	0	2	2
POER	0182	0530	*Glycinde armigera*	1	0	0	1	2
POER	0198	0615	*Lumbrineris cruzensis*	1	0	0	1	2
POER	0198	1040	*Scoletoma luti*	1	0	0	1	2
POSE	0276	0180	*Aricidea lopezi*	1	0	0	1	2
POSE	0310	0700	*Dipolydora socialis*	0	1	0	1	2
POSE	0266	1540	*Praxillella gracilis*	1	0	0	1	2
POSE	0310	1605	*Prionospio jubata*	1	0	0	1	2
POSE	0316	2000	*Trichobranchus glacialis*	1	0	0	1	2
BRYO	0968	0051	*Caulibugula californica*	4	0	0	4	3
BRYO	1012	0270	*Triticella pedicellata*	1	0	0	1	3
ECHO	1092	0015	*Chirodota albatrossii*	2	0	0	2	3
MOAP	0338	0030	*Chaetoderma argenteum*	1	0	0	1	3
POER	0220	0666	*Malmgreniella berkeleyorum*	1	0	0	1	3
POER	0186	1025	*Podarkeopsis perkinsi*	1	0	0	1	3
POER	0198	1040	*Scoletoma luti*	3	0	0	3	3
POSE	0310	0700	*Dipolydora socialis*	0	1	0	1	3
POSE	0316	2000	*Trichobranchus glacialis*	1	0	0	1	3
GVRD 2								
CRAM	0762	0140	*Ampelisca unsocalae*	2	1	0	3	1
CRAM	0832	0285	*Bathymedon sp.*	1	0	0	1	1
CRAM	0844	0600	*Heterophoxus affinis*	1	0	0	1	1
CRAM	0844	0600	*Heterophoxus affinis*	2	1	0	3	1
CRAM	0844	1234	*Paraphoxus gracilis*	2	0	0	2	1
CRAM	0810	1440	*Protomedeia grandimana*	0	1	0	1	1
CRCU	0700	0060	*Diastylis pellucida*	1	0	0	1	1
CRCU	0704	0100	*Eudorella pacifica*	1	0	0	1	1
CROS	0682	0060	*Euphilomedes producta*	1	0	0	1	1
ECEC	1082	0050	*Brisaster latifrons*	1	0	0	1	1
ECHO	1092	0015	*Chirodota albatrossii*	2	2	0	4	1
ECOP	1074	0058	*Ophiura leptoctenia*	3	2	0	5	1
MOAP	0338	0030	*Chaetoderma argenteum*	1	0	3	4	1
MOAP	0338	0030	*Chaetoderma argenteum*	1	1	0	2	1
MOBI	0462	0060	*Axinopsida serricata*	1	2	0	3	1
MOBI	0462	0060	*Axinopsida serricata*	11	17	0	28	1
MOBI	0356	0200	*Cyclocardia ventricosa*	0	1	0	1	1
MOBI	0414	0220	*Ennucula tenuis*	0	1	0	1	1
MOBI	0456	0530	*Macoma carlottensis*	3	3	1	7	1
MOBI	0456	0540	*Macoma elimata*	0	2	0	2	1
MOBI	0456	0540	*Macoma elimata*	0	0	2	2	1
MOBI	0472	0747	*Nutricola tantilla*	2	0	0	2	1
MOBI	0472	0747	*Nutricola tantilla*	1	2	0	3	1

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 2								
MOBI	0462	0990	*Thyasira flexuosa*	1	1	0	2	1
MOBI	0478	1020	*Yoldia seminuda*	1	0	0	1	1
MOBI	0478	1020	*Yoldia seminuda*	1	1	0	2	1
MOGA	0610	0041	*Alvania compacta*	2	0	0	2	1
MOGA	0610	0041	*Alvania compacta*	21	0	0	21	1
MOGA	0528	0250	*Cylichna attonsa*	3	2	0	5	1
MOGA	0606	0680	*Odostomia sp.*	1	0	0	1	1
MOSC	0647	0063	*Pulsellum salishorum*	1	0	0	1	1
MOSC	0647	0063	*Pulsellum salishorum*	3	0	0	3	1
POER	0206	0095	*Drilonereis longa*	1	0	0	1	1
POER	0198	0280	*Errano bicirrata*	0	1	0	1	1
POER	0180	0500	*Glycera nana*	1	0	0	1	1
POER	0180	0500	*Glycera nana*	1	0	0	1	1
POER	0182	0530	*Glycinde armigera*	1	0	0	1	1
POER	0182	0530	*Glycinde armigera*	1	0	0	1	1
POER	0182	0575	*Goniada brunnea*	1	0	0	1	1
POER	0198	0615	*Lumbrineris cruzensis*	9	0	0	9	1
POER	0220	0679	*Malmgreniella nr. berkeleyorum*	2	0	0	2	1
POER	0202	0720	*Nephtys ferruginea*	1	0	0	1	1
POER	0202	0725	*Nephtys punctata*	1	0	0	1	1
POER	0202	0725	*Nephtys punctata*	1	0	0	1	1
POER	0208	0830	*Onuphis iridescens*	3	0	0	3	1
POER	0186	1025	*Podarkeopsis perkinsi*	1	0	0	1	1
POER	0198	1040	*Scoletoma luti*	13	4	0	17	1
POER	0198	1040	*Scoletoma luti*	6	0	0	6	1
POER	0228	1225	*Typosyllis heterochaeta*	1	0	0	1	1
POSE	0242	0074	*Amphicteis scaphobranchiata*	1	0	0	1	1
POSE	0310	0697	*Dipolydora cardalia*	13	1	0	14	1
POSE	0274	0720	*Galathowenia oculata*	5	0	0	5	1
POSE	0274	0720	*Galathowenia oculata*	5	2	0	7	1
POSE	0248	0750	*Heteromastus filobranchus*	4	0	0	4	1
POSE	0248	0750	*Heteromastus filobranchus*	2	0	0	2	1
POSE	0314	0776	*Lanassa gracilis*	1	0	0	1	1
POSE	0266	0920	*Maldane sarsi*	88	0	0	88	1
POSE	0266	0920	*Maldane sarsi*	13	0	0	13	1
POSE	0248	0945	*Mediomastus ambiseta*	1	0	0	1	1
POSE	0248	0948	*Mediomastus californiensis*	1	0	0	1	1
POSE	0266	0987	*Microclymene nr. caudata*	9	0	0	9	1
POSE	0310	1220	*Paraprionospio pinnata*	1	0	0	1	1
POSE	0314	1420	*Pista wui*	1	0	0	1	1
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1	0	0	1	1
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1	0	0	1	1
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1	0	0	1	1
POSE	0266	1660	*Rhodine bitorquata*	4	0	0	4	1
POSE	0266	1660	*Rhodine bitorquata*	2	0	0	2	1
POSE	0310	1820	*Spiophanes berkeleyorum*	2	0	0	2	1
POSE	0312	1860	*Sternaspis nr. fossor*	3	2	0	5	1
POSE	0316	1900	*Terebellides californica*	1	0	0	1	1
POSE	0316	1924	*Imamura)*	2	0	0	2	1
POSE	0318	1990	*Trochochaeta multisetosa*	1	0	0	1	1
POSE	0318	1990	*Trochochaeta multisetosa*	1	0	0	1	1
CNHY	0088	0160	*Perigonimus repens*	1	0	0	1	2
CRAM	0762	0140	*Ampelisca unsocalae*	0	1	0	1	2
CRAM	0832	0340	*Deflexilodes similis*	1	0	0	1	2
CRAM	0844	0600	*Heterophoxus affinis*	2	1	0	3	2

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 2								
CRAM	0844	0600	*Heterophoxus affinis*	4	0	0	4	2
CRAM	0844	1234	*Paraphoxus gracilis*	17	0	0	17	2
CRAM	0862	1565	*Syrrhoe longifrons*	1	0	0	1	2
CRCU	0704	0100	*Eudorella pacifica*	1	0	0	1	2
CRIS	0736	0020	*Gnathia sp.*	1	0	0	1	2
CROS	0682	0110	*Scleroconcha trituberculata*	2	0	0	2	2
CRTA	0712	0040	*Leptognathia gracilis*	2	1	0	3	2
ECHO	1092	0015	*Chirodota albatrossii*	1	2	0	3	2
ECHO	1096	0125	*Molpadia intermedia*	1	0	0	1	2
ECOP	1074	0058	*Ophiura leptoctenia*	0	1	0	1	2
ECOP	1074	0070	*Ophiura sp.*	0	0	1	1	2
MOAP	0338	0030	*Chaetoderma argenteum*	2	7	0	9	2
MOAP	0338	0030	*Chaetoderma argenteum*	1	1	0	2	2
MOBI	0462	0040	*Adontorhina cyclia*	3	0	0	3	2
MOBI	0462	0060	*Axinopsida serricata*	3	2	0	5	2
MOBI	0462	0060	*Axinopsida serricata*	30	33	0	63	2
MOBI	0366	0073	*Cardiomya planetica*	1	0	0	1	2
MOBI	0472	0160	*Compsomyax subdiaphana*	0	0	2	2	2
MOBI	0356	0200	*Cyclocardia ventricosa*	0	2	1	3	2
MOBI	0414	0220	*Ennucula tenuis*	0	1	0	1	2
MOBI	0384	0384	*Lasaeidae indet.*	0	1	0	1	2
MOBI	0456	0530	*Macoma carlottensis*	5	3	0	8	2
MOBI	0456	0540	*Macoma elimata*	3	1	0	4	2
MOBI	0456	0570	*Macoma sp.*	0	0	1	1	2
MOBI	0456	0570	*Macoma sp.*	0	0	1	1	2
MOBI	0478	0590	*Megayoldia sp.*	0	0	1	1	2
MOBI	0412	0700	*Nuculana hamata*	1	2	0	3	2
MOBI	0472	0747	*Nutricola tantilla*	9	10	0	19	2
MOBI	0462	0990	*Thyasira flexuosa*	1	2	0	3	2
MOBI	0478	1020	*Yoldia seminuda*	1	1	0	2	2
MOGA	0528	0020	*Acteocina culcitella*	1	0	0	1	2
MOGA	0610	0041	*Alvania compacta*	2	1	0	3	2
MOGA	0610	0041	*Alvania compacta*	31	0	0	31	2
MOGA	0528	0245	*Cylichna alba*	0	1	0	1	2
MOGA	0528	0250	*Cylichna attonsa*	0	1	0	1	2
MOGA	0518	0672	*Oenopota turricula*	0	1	0	1	2
MOSC	0647	0063	*Pulsellum salishorum*	5	0	0	5	2
NTEA	0148	0170	*Cerebratulus californiensis*	1	0	0	1	2
NTEA	0000	0011	*Enopla sp. A (SCAMIT)*	0	1	0	1	2
NTEA	0156	0210	*Tubulanus polymorphus*	0	0	1	1	2
POER	0214	0295	*Eteone californica*	1	0	0	1	2
POER	0228	0450	*Exogone lourei*	1	0	0	1	2
POER	0180	0500	*Glycera nana*	2	1	0	3	2
POER	0180	0500	*Glycera nana*	1	0	0	1	2
POER	0182	0530	*Glycinde armigera*	4	0	0	4	2
POER	0182	0530	*Glycinde armigera*	1	0	0	1	2
POER	0198	0615	*Lumbrineris cruzensis*	43	4	0	47	2
POER	0198	0615	*Lumbrineris cruzensis*	1	0	0	1	2
POER	0220	0679	*Malmgreniella nr. berkeleyorum*	1	0	0	1	2
POER	0202	0710	*Nephtys cornuta*	1	0	0	1	2
POER	0202	0725	*Nephtys punctata*	1	2	0	3	2
POER	0208	0830	*Onuphis iridescens*	11	0	0	11	2
POER	0208	0831	*Onuphis nr. iridescens*	0	3	0	3	2
POER	0208	0831	*Onuphis nr. iridescens*	1	0	0	1	2
POER	0186	1025	*Podarkeopsis perkinsi*	1	0	0	1	2

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 2								
POER	0198	1040	*Scoletoma luti*	26	10	2	38	2
POER	0198	1040	*Scoletoma luti*	3	1	0	4	2
POER	0228	1225	*Typosyllis heterochaeta*	1	0	0	1	2
POSE	0242	0074	*Amphicteis scaphobranchiata*	1	0	0	1	2
POSE	0242	0080	*Anobothrus gracilis*	1	0	0	1	2
POSE	0252	0120	*Aphelochaeta spp.*	0	1	0	1	2
POSE	0276	0180	*Aricidea lopezi*	1	0	0	1	2
POSE	0276	0180	*Aricidea lopezi*	1	0	0	1	2
POSE	0314	0340	*Artacama coniferi*	1	0	0	1	2
POSE	0248	0383	*Barantolla nr. americana*	1	0	0	1	2
POSE	0248	0383	*Barantolla nr. americana*	1	1	0	2	2
POSE	0252	0495	*Chaetozone commonalis*	2	0	0	2	2
POSE	0252	0495	*Chaetozone commonalis*	1	0	0	1	2
POSE	0310	0697	*Dipolydora cardalia*	1	0	0	1	2
POSE	0310	0697	*Dipolydora cardalia*	6	0	0	6	2
POSE	0310	1470	*Dipolydora caulleryi*	1	0	0	1	2
POSE	0266	0713	*Euclymene nr. zonalis*	2	0	0	2	2
POSE	0274	0720	*Galathowenia oculata*	17	4	0	21	2
POSE	0274	0720	*Galathowenia oculata*	5	0	0	5	2
POSE	0248	0750	*Heteromastus filobranchus*	8	0	0	8	2
POSE	0276	0850	*Levinsenia gracilis*	8	0	0	8	2
POSE	0276	0850	*Levinsenia gracilis*	1	0	0	1	2
POSE	0266	0920	*Maldane sarsi*	419	0	0	419	2
POSE	0266	0920	*Maldane sarsi*	7	1	0	8	2
POSE	0248	0945	*Mediomastus ambiseta*	19	0	0	19	2
POSE	0242	0989	*Melinna heterodonta*	2	0	0	2	2
POSE	0242	0989	*Melinna heterodonta*	1	0	0	1	2
POSE	0266	0987	*Microclymene nr. caudata*	14	0	0	14	2
POSE	0270	1140	*Ophelina acuminata*	1	0	0	1	2
POSE	0270	1145	*Ophelina breviata*	0	1	0	1	2
POSE	0310	1220	*Paraprionospio pinnata*	1	0	0	1	2
POSE	0314	1420	*Pista wui*	1	0	0	1	2
POSE	0266	1540	*Praxillella gracilis*	1	0	0	1	2
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1	0	0	1	2
POSE	0310	1605	*Prionospio (Prionospio) jubata*	7	0	0	7	2
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1	0	0	1	2
POSE	0266	1660	*Rhodine bitorquata*	21	0	0	21	2
POSE	0266	1660	*Rhodine bitorquata*	1	0	0	1	2
POSE	0272	1740	*Scoloplos acmeceps*	1	0	0	1	2
POSE	0310	1820	*Spiophanes berkeleyorum*	2	0	0	2	2
POSE	0312	1860	*Sternaspis nr. fossor*	4	0	0	4	2
POSE	0316	1900	*Terebellides californica*	1	0	0	1	2
POSE	0316	1910	*Terebellides reishi*	1	0	0	1	2
POSE	0316	1924	*Imamura)*	2	2	1	5	2
POSE	0316	1924	*Imamura)*	4	0	0	4	2
POSE	0270	1980	*Travisia pupa*	1	0	0	1	2
POSE	0316	2000	*Trichobranchus glacialis*	1	0	0	1	2
POSE	0316	2000	*Trichobranchus glacialis*	1	0	0	1	2
POSE	0318	1990	*Trochochaeta multisetosa*	2	0	0	2	2
CNHY	0090	0020	*Campanularia sp.*	4	0	0	4	3
CRAM	0812	0470	*Ericthonius rubricornis*	1	0	0	1	3
CRAM	0844	0600	*Heterophoxus affinis*	2	2	0	4	3
CRAM	0844	0600	*Heterophoxus affinis*	7	0	0	7	3
CRAM	0832	1108	*Monoculodes perditus*	2	0	0	2	3
CRAM	0844	1234	*Paraphoxus gracilis*	5	0	0	5	3

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 2								
CRAM	0862	1565	*Syrrhoe longifrons*	1	0	0	1	3
CRCU	0704	0170	*Leucon sp.*	1	0	0	1	3
CRTA	0712	0040	*Leptognathia gracilis*	1	0	0	1	3
ECEC	1082	0050	*Brisaster latifrons*	1	0	0	1	3
ECHO	1092	0015	*Chirodota albatrossii*	9	1	0	10	3
ECHO	1096	0125	*Molpadia intermedia*	2	0	0	2	3
ECHO	1098	0150	*Pentamera pseudocalcigera*	0	1	0	1	3
ECHO	1098	0150	*Pentamera pseudocalcigera*	0	1	0	1	3
ECOP	1074	0058	*Ophiura leptoctenia*	1	3	0	4	3
ECOP	1074	0070	*Ophiura sp.*	0	0	1	1	3
HEMI	1126	0010	*Saccoglossus spp.*	2	0	0	2	3
MOAP	0338	0030	*Chaetoderma argenteum*	1	9	0	10	3
MOAP	0338	0030	*Chaetoderma argenteum*	1	0	1	2	3
MOBI	0414	0020	*Acila castrensis*	0	0	1	1	3
MOBI	0462	0040	*Adontorhina cyclia*	2	0	0	2	3
MOBI	0462	0040	*Adontorhina cyclia*	2	0	0	2	3
MOBI	0462	0060	*Axinopsida serricata*	2	2	0	4	3
MOBI	0462	0060	*Axinopsida serricata*	42	57	0	99	3
MOBI	0472	0160	*Compsomyax subdiaphana*	0	3	0	3	3
MOBI	0356	0200	*Cyclocardia ventricosa*	0	5	1	6	3
MOBI	0384	0384	*Lasaeidae indet.*	2	0	0	2	3
MOBI	0456	0530	*Macoma carlottensis*	5	6	0	11	3
MOBI	0456	0540	*Macoma elimata*	3	1	0	4	3
MOBI	0456	0550	*Macoma nasuta*	0	1	0	1	3
MOBI	0456	0570	*Macoma sp.*	0	0	2	2	3
MOBI	0456	0570	*Macoma sp.*	0	0	5	5	3
MOBI	0472	0747	*Nutricola tantilla*	5	1	0	6	3
MOBI	0472	0747	*Nutricola tantilla*	10	1	0	11	3
MOBI	0462	0990	*Thyasira flexuosa*	1	0	0	1	3
MOBI	0478	1015	*Yoldia hyperborea*	0	1	0	1	3
MOBI	0478	1020	*Yoldia seminuda*	0	0	1	1	3
MOGA	0610	0041	*Alvania compacta*	5	0	0	5	3
MOGA	0610	0041	*Alvania compacta*	10	1	0	11	3
MOGA	0528	0250	*Cylichna attonsa*	5	2	0	7	3
MOGA	0528	0250	*Cylichna attonsa*	1	0	0	1	3
MOGA	0606	0680	*Odostomia sp.*	1	0	0	1	3
MOGA	0518	0663	*Oenopota elegans*	1	0	0	1	3
MOGA	0518	0668	*Oenopota harpularia*	1	0	0	1	3
MOSC	0647	0063	*Pulsellum salishorum*	4	0	0	4	3
NTEA	0148	0170	*Cerebratulus californiensis*	1	0	0	1	3
NTEA	0156	0210	*Tubulanus polymorphus*	0	0	1	1	3
POER	0206	0095	*Drilonereis longa*	1	0	0	1	3
POER	0198	0285	*Errano sp.*	0	1	0	1	3
POER	0214	0320	*Eteone spilotus*	1	0	0	1	3
POER	0228	0450	*Exogone lourei*	4	0	0	4	3
POER	0180	0500	*Glycera nana*	4	0	0	4	3
POER	0182	0530	*Glycinde armigera*	1	0	0	1	3
POER	0220	0591	*Hesperonoe laevis*	2	0	0	2	3
POER	0198	0615	*Lumbrineris cruzensis*	10	1	0	11	3
POER	0198	0615	*Lumbrineris cruzensis*	7	0	0	7	3
POER	0220	0679	*Malmgreniella nr. berkeleyorum*	1	0	0	1	3
POER	0220	0675	*Malmgreniella scriptoria*	2	0	0	2	3
POER	0202	0710	*Nephtys cornuta*	2	0	0	2	3
POER	0202	0720	*Nephtys ferruginea*	1	0	0	1	3
POER	0202	0725	*Nephtys punctata*	2	0	0	2	3

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 2								
POER	0208	0830	*Onuphis iridescens*	6	0	0	6	3
POER	0208	0830	*Onuphis iridescens*	2	0	0	2	3
POER	0208	0831	*Onuphis nr. iridescens*	3	1	0	4	3
POER	0186	1025	*Podarkeopsis perkinsi*	1	0	0	1	3
POER	0198	1040	*Scoletoma luti*	17	4	2	23	3
POER	0198	1040	*Scoletoma luti*	5	7	1	13	3
POSE	0242	0020	*Amage anops*	0	1	0	1	3
POSE	0252	0120	*Aphelochaeta spp.*	1	0	0	1	3
POSE	0248	0383	*Barantolla nr. americana*	1	0	0	1	3
POSE	0260	0420	*Brada sachalina*	1	0	0	1	3
POSE	0252	0495	*Chaetozone commonalis*	1	0	0	1	3
POSE	0310	0697	*Dipolydora cardalia*	5	0	0	5	3
POSE	0274	0720	*Galathowenia oculata*	14	5	0	19	3
POSE	0274	0720	*Galathowenia oculata*	17	3	0	20	3
POSE	0248	0750	*Heteromastus filobranchus*	5	0	0	5	3
POSE	0314	0776	*Lanassa gracilis*	1	1	0	2	3
POSE	0310	0805	*Laonice spp.*	1	0	0	1	3
POSE	0276	0850	*Levinsenia gracilis*	1	0	0	1	3
POSE	0276	0850	*Levinsenia gracilis*	1	0	0	1	3
POSE	0266	0920	*Maldane sarsi*	92	0	0	92	3
POSE	0266	0920	*Maldane sarsi*	30	0	0	30	3
POSE	0248	0945	*Mediomastus ambiseta*	2	0	0	2	3
POSE	0248	0945	*Mediomastus ambiseta*	1	0	0	1	3
POSE	0242	0989	*Melinna heterodonta*	1	0	0	1	3
POSE	0266	0987	*Microclymene nr. caudata*	1	0	0	1	3
POSE	0266	0987	*Microclymene nr. caudata*	15	7	0	22	3
POSE	0250	1345	*Phyllochaetopterus spp.*	0	1	0	1	3
POSE	0314	1440	*Polycirrus californicus*	0	1	0	1	3
POSE	0266	1540	*Praxillella gracilis*	1	0	0	1	3
POSE	0310	1610	*Prionospio (Minuspio) lighti*	0	1	0	1	3
POSE	0310	1605	*Prionospio (Prionospio) jubata*	4	0	0	4	3
POSE	0310	1605	*Prionospio (Prionospio) jubata*	6	0	0	6	3
POSE	0310	1630	*Prionospio spp.*	1	0	0	1	3
POSE	0266	1660	*Rhodine bitorquata*	4	0	0	4	3
POSE	0266	1660	*Rhodine bitorquata*	2	0	0	2	3
POSE	0312	1860	*Sternaspis nr. fossor*	1	0	0	1	3
POSE	0312	1860	*Sternaspis nr. fossor*	3	1	0	4	3
POSE	0316	1900	*Terebellides californica*	1	0	0	1	3
POSE	0316	1910	*Terebellides reishi*	1	0	0	1	3
POSE	0316	1924	*Imamura)*	2	1	0	3	3
POSE	0316	1924	*Imamura)*	2	0	0	2	3
POSE	0270	1980	*Travisia pupa*	1	0	0	1	3
POSE	0318	1990	*Trochochaeta multisetosa*	1	0	0	1	3
GVRD-5								
CRAM	0844	0600	*Heterophoxus affinis*	0	2	0	2	1
ECEC	1082	0046	*Brisaster acutifrons*	4	3	1	8	1
ECHO	1092	0015	*Chirodota albatrossii*	5	0	0	5	1
ECHO	1096	0125	*Molpadia intermedia*	3	0	1	4	1
ECOP	1058	0051	*Amphioplus pugetana*	1	1	0	2	1
EURA	0323	0010	*Arhynchite pugettensis*	1	0	0	1	1
MOAP	0338	0030	*Chaetoderma argenteum*	1	1	0	2	1
MOAP	0338	0050	*Falcidens longus*	0	1	0	1	1
MOAP	0340	0060	*Limifossor sp.*	1	0	0	1	1

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 5								
MOBI	0462	0060	*Axinopsida serricata*	0	1	0	1	1
MOBI	0478	0590	*Megayoldia spp.*	0	0	1	1	1
MOSC	0646	0050	*Polyschides tolmiei*	2	0	0	2	1
MOSC	0647	0063	*Pulsellum salishorum*	1	0	0	1	1
NTEA	0148	0170	*Cerebratulus californiensis*	0	1	0	1	1
POER	0180	0500	*Glycera nana*	1	0	0	1	1
POER	0182	0530	*Glycinde armigera*	0	2	0	2	1
POER	0220	0582	*Hesperonoe complanata*	1	0	0	1	1
POER	0220	0675	*Malmgreniella scriptoria*	4	0	0	4	1
POER	0202	0710	*Nephtys cornuta*	1	0	0	1	1
POER	0224	0900	*Pholoe spp.*	1	0	0	1	1
POER	0198	1040	*Scoletoma luti*	0	1	0	1	1
POSE	0260	0420	*Brada sachalina*	1	0	0	1	1
POSE	0252	0252	*Cirratulidae indet.*	1	0	0	1	1
POSE	0310	0702	*Dipolydora spp.*	0	1	0	1	1
POSE	0266	0710	*Euclymeninae indet.*	0	1	0	1	1
POSE	0274	0720	*Galathowenia oculata*	8	1	0	9	1
POSE	0248	0750	*Heteromastus filobranchus*	1	0	0	1	1
POSE	0266	0920	*Maldane sarsi*	5	0	0	5	1
POSE	0266	0987	*Microclymene nr. caudata*	0	2	0	2	1
POSE	0252	0997	*Monticellina secunda*	0	1	0	1	1
POSE	0260	1328	*Pherusa neopapillata*	1	0	0	1	1
POSE	0314	1420	*Pista wui*	0	1	0	1	1
POSE	0310	1835	*Spiophanes fimbriata*	3	0	0	3	1
POSE	0312	1860	*Sternaspis nr. fossor*	1	1	0	2	1
SIPN	0330	0080	*Nephasoma diaphanes*	0	1	0	1	1
SIPN	0330	0020	*Thysanocardia nigra*	0	1	0	1	1
CHPY	0668	0026	*Anoplodactylus viridintestinalis*	1	0	0	1	2
CRAM	0844	0590	*Harpiniopsis fulgens*	1	0	0	1	2
CRAM	0844	0600	*Heterophoxus affinis*	2	1	0	3	2
ECEC	1082	0046	*Brisaster acutifrons*	0	2	0	2	2
ECHO	1092	0015	*Chirodota albatrossii*	2	1	0	3	2
ECHO	1096	0125	*Molpadia intermedia*	1	1	0	2	2
ECOP	1074	0058	*Ophiura leptoctenia*	2	0	0	2	2
MOAP	0340	0060	*Limifossor sp.*	2	0	0	2	2
MOBI	0462	0060	*Axinopsida serricata*	0	1	0	1	2
MOBI	0478	0590	*Megayoldia spp.*	0	0	2	2	2
MOBI	0478	0595	*Megayoldia thraciaeformis*	1	0	0	1	2
MOSC	0646	0050	*Polyschides tolmiei*	1	3	0	4	2
MOSC	0647	0063	*Pulsellum salishorum*	1	0	0	1	2
MOSC	0648	0080	*Rhabdus rectius*	1	1	0	2	2
NTEA	0154	0260	*Tetrastemma sp.*	0	1	0	1	2
POER	0216	0866	*Ancistrosyllis groenlandica*	2	0	0	2	2
POER	0228	0450	*Exogone lourei*	2	0	1	3	2
POER	0220	0480	*Gattyana treadwelli*	1	0	0	1	2
POER	0180	0500	*Glycera nana*	1	0	0	1	2
POER	0198	0615	*Lumbrineris cruzensis*	1	0	0	1	2
POER	0224	0895	*Pholoe sp. N-1 (Ruff)*	2	0	0	2	2
POER	0198	1040	*Scoletoma luti*	0	1	0	1	2
POSE	0314	0078	*Amphitritinae indet.*	0	0	2	2	2
POSE	0242	0080	*Anobothrus gracilis*	1	0	0	1	2
POSE	0252	0122	*Aphelochaeta sp. 2*	1	0	0	1	2
POSE	0276	0180	*Aricidea lopezi*	1	0	0	1	2
POSE	0310	0702	*Dipolydora spp.*	0	1	0	1	2
POSE	0300	0709	*Euchone spp.*	0	1	0	1	2

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD-5								
POSE	0266	0710	*Euclymeninae indet.*	0	5	0	5	2
POSE	0274	0720	*Galathowenia oculata*	17	5	0	22	2
POSE	0276	0850	*Levinsenia gracilis*	2	0	0	2	2
POSE	0266	0920	*Maldane sarsi*	3	1	0	4	2
POSE	0248	0948	*Mediomastus californiensis*	1	0	0	1	2
POSE	0242	0990	*Melinna elisabethae*	0	1	0	1	2
POSE	0266	0987	*Microclymene nr. caudata*	0	1	1	2	2
POSE	0280	1240	*Pectinaria californiensis*	1	0	0	1	2
POSE	0310	1835	*Spiophanes fimbriata*	3	0	0	3	2
POSE	0312	1860	*Sternaspis nr. fossor*	1	0	0	1	2
SIPN	0330	0080	*Nephasoma diaphanes*	4	1	0	5	2
CRAM	0844	0600	*Heterophoxus affinis*	0	1	0	1	3
CRCU	0700	0075	*Diastylis umatillensis*	1	0	0	1	3
CRIS	0748	0145	*Baeonectes improvisus*	1	0	0	1	3
ECEC	1082	0046	*Brisaster acutifrons*	3	3	0	6	3
ECHO	1092	0015	*Chirodota albatrossii*	4	1	0	5	3
ECHO	1096	0125	*Molpadia intermedia*	1	1	2	4	3
ECOP	1074	0058	*Ophiura leptoctenia*	0	1	0	1	3
EURA	0323	0010	*Arhynchite pugettensis*	0	1	0	1	3
EURA	0322	0030	*Nellobia eusoma*	1	0	0	1	3
MOAP	0340	0061	*Limifossor cf. fratula*	1	0	0	1	3
MOBI	0478	0595	*Megayoldia thraciaeformis*	1	1	0	2	3
MOBI	0384	0675	*Neaeromya rugifera*	0	1	1	2	3
MOGA	0528	0250	*Cylichna attonsa*	2	0	0	2	3
MOSC	0646	0050	*Polyschides tolmiei*	1	0	0	1	3
POER	0216	0866	*Ancistrosyllis groenlandica*	11	0	0	11	3
POER	0182	0530	*Glycinde armigera*	0	1	0	1	3
POER	0198	0615	*Lumbrineris cruzensis*	1	0	0	1	3
POER	0220	0675	*Malmgreniella scriptoria*	2	0	0	2	3
POER	0202	0725	*Nephtys punctata*	2	0	0	2	3
POER	0208	0830	*Onuphis iridescens*	2	0	0	2	3
POER	0186	1025	*Podarkeopsis perkinsi*	1	0	0	1	3
POER	0198	1040	*Scoletoma luti*	2	0	0	2	3
POSE	0276	0185	*Aricidea simplex*	0	1	0	1	3
POSE	0260	0420	*Brada sachalina*	0	1	0	1	3
POSE	0252	0510	*Chaetozone spp.*	0	1	0	1	3
POSE	0274	0720	*Galathowenia oculata*	9	1	0	10	3
POSE	0266	0920	*Maldane sarsi*	3	0	0	3	3
POSE	0242	0990	*Melinna elisabethae*	0	1	0	1	3
POSE	0266	0987	*Microclymene nr. caudata*	1	4	0	5	3
POSE	0310	1610	*Prionospio (Minuspio) lighti*	1	0	0	1	3
POSE	0310	1835	*Spiophanes fimbriata*	3	1	0	4	3
POSE	0312	1860	*Sternaspis nr. fossor*	0	1	1	2	3
POSE	0270	1980	*Travisia pupa*	1	0	0	1	3
SIPN	0330	0080	*Nephasoma diaphanes*	3	0	0	3	3
GVRD-6								
CRAM	0844	0590	*Harpiniopsis fulgens*	1	0	0	1	1
CRAM	0844	0600	*Heterophoxus affinis*	6	7	0	13	1
CRAM	0826	1155	*Orchomene cf. pinguis*	1	0	0	1	1
CRCU	0700	0060	*Diastylis pellucida*	1	0	0	1	1
CRCU	0704	0125	*Eudorellopsis integra*	177	0	0	177	1
CRDE	0898	0266	*Lebbeus sp.*	0	0	1	1	1
CRDE	0892	0135	*Munida quadrispina*	0	0	2	2	1

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 6								
CRDE	0932	0240	*Pinnixa sp.*	0	1	2	3	1
CRIS	0750	0141	*Pleurogonium sp.*	1	0	0	1	1
CROS	0674	0020	*Bathyleberis sp.*	9	0	0	9	1
CROS	0682	0060	*Euphilomedes producta*	61	0	0	61	1
ECOP	1058	0030	*Amphiodia sp.*	0	0	1	1	1
ECOP	1058	0040	*Amphiodia urtica*	0	1	0	1	1
ECOP	1074	0058	*Ophiura leptoctenia*	2	0	0	2	1
ECOP	0000	0001	*Ophiuroidea indet.*	0	0	1	1	1
EURA	0322	0030	*Nellobia eusoma*	1	0	0	1	1
MOAP	0338	0030	*Chaetoderma argenteum*	0	4	0	4	1
MOAP	0338	0050	*Falcidens longus*	0	1	0	1	1
MOBI	0462	0060	*Axinopsida serricata*	0	5	0	5	1
MOBI	0456	0520	*Macoma calcarea*	1	0	0	1	1
MOBI	0456	0530	*Macoma carlottensis*	112	21	30	163	1
MOBI	0456	0570	*Macoma spp.*	0	0	1	1	1
MOBI	0478	0595	*Megayoldia thraciaeformis*	0	4	1	5	1
MOBI	0392	0800	*Parvilucina tenuisculpta*	0	1	0	1	1
MOBI	0478	1015	*Yoldia hyperborea*	0	1	2	3	1
MOBI	0478	1020	*Yoldia seminuda*	1	1	0	2	1
MOGA	0516	0090	*Astyris gausapata*	1	0	0	1	1
MOGA	0584	0375	*Cryptonatica affinis*	0	1	3	4	1
MOGA	0528	0250	*Cylichna attonsa*	8	17	0	25	1
MOSC	0647	0063	*Pulsellum salishorum*	11	0	0	11	1
MOSC	0648	0080	*Rhabdus rectius*	0	0	1	1	1
NTEA	0148	0193	*Micrura nr. pardalis*	1	0	0	1	1
NTEA	0156	0210	*Tubulanus polymorphus*	1	0	0	1	1
PHOR	0950	0049	*Phoronis psammophila*	0	1	0	1	1
POER	0180	0500	*Glycera nana*	5	0	0	5	1
POER	0202	0710	*Nephtys cornuta*	1	0	0	1	1
POER	0198	0780	*Ninoe gemmea*	2	0	0	2	1
POER	0224	0890	*Pholoe minuta*	4	1	0	5	1
POER	0224	0895	*Pholoe sp. N-1 (Ruff)*	12	0	0	12	1
POER	0214	0960	*Phyllodoce spp.*	0	1	0	1	1
POER	0186	1025	*Podarkeopsis perkinsi*	1	0	0	1	1
POER	0198	1040	*Scoletoma luti*	7	1	0	8	1
POSE	0242	0042	*Ampharete nr. acutifrons*	4	0	0	4	1
POSE	0252	0120	*Aphelochaeta spp.*	0	2	0	2	1
POSE	0260	0430	*Brada spp.*	0	0	1	1	1
POSE	0252	0510	*Chaetozone spp.*	0	0	1	1	1
POSE	0254	0646	*Cossura bansei*	2	0	0	2	1
POSE	0254	0660	*Cossura pygodactylata*	0	1	0	1	1
POSE	0248	0683	*Decamastus nr. gracilis*	0	1	0	1	1
POSE	0266	0710	*Euclymeninae indet.*	1	0	0	1	1
POSE	0274	0720	*Galathowenia oculata*	37	4	0	41	1
POSE	0248	0750	*Heteromastus filobranchus*	0	0	2	2	1
POSE	0310	0800	*Laonice cirrata*	1	0	0	1	1
POSE	0276	0850	*Levinsenia gracilis*	2	0	0	2	1
POSE	0248	0945	*Mediomastus ambiseta*	8	0	0	8	1
POSE	0248	0948	*Mediomastus californiensis*	6	1	0	7	1
POSE	0280	1240	*Pectinaria californiensis*	4	0	4	8	1
POSE	0310	1610	*Prionospio (Minuspio) lighti*	34	4	0	38	1
POSE	0312	1860	*Sternaspis nr. fossor*	2	4	1	7	1
POSE	0270	1980	*Travisia pupa*	1	0	0	1	1
CNHY	0088	0160	*Perigonimus repens*	1	0	0	1	2
CRAM	0762	0090	*Ampelisca hancocki*	1	0	0	1	2

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD-6								
CRAM	0844	0590	*Harpiniopsis fulgens*	2	0	0	2	2
CRAM	0844	0600	*Heterophoxus affinis*	3	7	0	10	2
CRAM	0844	1515	*Rhepoxynius barnardi*	2	0	0	2	2
CRCU	0700	0060	*Diastylis pellucida*	5	2	0	7	2
CRCU	0704	0125	*Eudorellopsis integra*	253	2	0	255	2
CRCU	0704	0175	*Leucon magnadentata*	1	0	0	1	2
CRDE	0892	0135	*Munida quadrispina*	0	0	1	1	2
CROS	0674	0020	*Bathyleberis sp.*	8	0	0	8	2
CROS	0682	0060	*Euphilomedes producta*	31	0	0	31	2
ECHO	1096	0125	*Molpadia intermedia*	1	0	0	1	2
ECOP	1074	0058	*Ophiura leptoctenia*	1	0	0	1	2
MOAP	0338	0030	*Chaetoderma argenteum*	0	4	0	4	2
MOBI	0462	0060	*Axinopsida serricata*	0	1	0	1	2
MOBI	0456	0530	*Macoma carlottensis*	65	15	16	96	2
MOBI	0456	0540	*Macoma elimata*	1	0	1	2	2
MOBI	0478	0590	*Megayoldia spp.*	0	0	2	2	2
MOBI	0478	0595	*Megayoldia thraciaeformis*	1	2	1	4	2
MOBI	0478	1020	*Yoldia seminuda*	5	0	0	5	2
MOGA	0584	0375	*Cryptonatica affinis*	0	3	0	3	2
MOGA	0528	0250	*Cylichna attonsa*	3	11	0	14	2
MOGA	0558	0285	*Haminoea virescens*	1	0	0	1	2
MOGA	0606	0680	*Odostomia sp.*	2	0	0	2	2
MOSC	0646	0050	*Polyschides tolmiei*	7	0	0	7	2
NTEA	0154	0260	*Tetrastemma sp.*	0	1	0	1	2
NTEA	0156	0210	*Tubulanus polymorphus*	2	1	0	3	2
POER	0180	0500	*Glycera nana*	10	0	0	10	2
POER	0182	0530	*Glycinde armigera*	0	1	0	1	2
POER	0198	0780	*Ninoe gemmea*	1	0	0	1	2
POER	0224	0895	*Pholoe sp. N-1 (Ruff)*	6	0	0	6	2
POER	0198	1040	*Scoletoma luti*	6	1	0	7	2
POSE	0242	0042	*Ampharete nr. acutifrons*	11	0	0	11	2
POSE	0252	0120	*Aphelochaeta spp.*	0	1	0	1	2
POSE	0248	0383	*Barantolla nr. americana*	1	0	0	1	2
POSE	0254	0646	*Cossura bansei*	1	0	0	1	2
POSE	0310	0702	*Dipolydora spp.*	0	1	0	1	2
POSE	0274	0720	*Galathowenia oculata*	30	0	0	30	2
POSE	0248	0750	*Heteromastus filobranchus*	3	0	0	3	2
POSE	0276	0850	*Levinsenia gracilis*	4	0	0	4	2
POSE	0248	0945	*Mediomastus ambiseta*	5	1	0	6	2
POSE	0248	0948	*Mediomastus californiensis*	9	0	0	9	2
POSE	0310	1610	*Prionospio (Minuspio) lighti*	5	0	0	5	2
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1	0	0	1	2
POSE	0312	1860	*Sternaspis nr. fossor*	4	1	1	6	2
CRAM	0792	0585	*Guernea reduncans*	2	0	0	2	3
CRAM	0844	0590	*Harpiniopsis fulgens*	1	0	0	1	3
CRAM	0844	0600	*Heterophoxus affinis*	4	5	0	9	3
CRAM	0844	1515	*Rhepoxynius barnardi*	1	0	0	1	3
CRCU	0700	0060	*Diastylis pellucida*	1	0	0	1	3
CRCU	0704	0125	*Eudorellopsis integra*	199	4	0	203	3
CRCU	0704	0175	*Leucon magnadentata*	2	0	0	2	3
CRDE	0932	0230	*Pinnixa occidentalis complex*	0	1	0	1	3
CROS	0674	0020	*Bathyleberis sp.*	1	0	0	1	3
CROS	0682	0060	*Euphilomedes producta*	28	0	0	28	3
ECEC	1082	0046	*Brisaster acutifrons*	2	0	0	2	3
ECHO	1096	0125	*Molpadia intermedia*	2	1	0	3	3

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD-6								
ECHO	1098	0150	*Pentamera pseudocalcigera*	0	0	1	1	3
ECOP	1058	0040	*Amphiodia urtica*	0	1	0	1	3
MOAP	0338	0030	*Chaetoderma argenteum*	1	2	1	4	3
MOAP	0338	0050	*Falcidens longus*	1	0	0	1	3
MOBI	0462	0040	*Adontorhina cyclia*	1	0	0	1	3
MOBI	0456	0530	*Macoma carlottensis*	57	7	11	75	3
MOBI	0456	0540	*Macoma elimata*	0	1	0	1	3
MOBI	0478	0595	*Megayoldia thraciaeformis*	2	2	1	5	3
MOBI	0384	0675	*Neaeromya rugifera*	0	1	3	4	3
MOBI	0478	1020	*Yoldia seminuda*	3	1	0	4	3
MOGA	0584	0375	*Cryptonatica affinis*	0	2	1	3	3
MOGA	0528	0250	*Cylichna attonsa*	12	23	0	35	3
MOGA	0606	0680	*Odostomia sp.*	1	0	0	1	3
MOSC	0647	0063	*Pulsellum salishorum*	12	0	0	12	3
MOSC	0648	0080	*Rhabdus rectius*	0	1	1	2	3
PHOR	0950	0049	*Phoronis psammophila*	0	1	0	1	3
POER	0216	0866	*Ancistrosyllis groenlandica*	2	0	0	2	3
POER	0220	0482	*Gattyana spp.*	0	1	0	1	3
POER	0180	0500	*Glycera nana*	7	0	0	7	3
POER	0182	0530	*Glycinde armigera*	3	0	0	3	3
POER	0220	0675	*Malmgreniella scriptoria*	2	1	0	3	3
POER	0202	0710	*Nephtys cornuta*	1	0	0	1	3
POER	0198	0780	*Ninoe gemmea*	2	0	0	2	3
POER	0208	0830	*Onuphis iridescens*	1	0	0	1	3
POER	0172	0875	*Parougia caeca*	1	0	0	1	3
POER	0224	0895	*Pholoe sp. N-1 (Ruff)*	6	0	0	6	3
POER	0198	1040	*Scoletoma luti*	7	0	1	8	3
POSE	0242	0042	*Ampharete nr. acutifrons*	3	0	1	4	3
POSE	0276	0180	*Aricidea lopezi*	1	0	0	1	3
POSE	0260	0420	*Brada sachalina*	2	0	0	2	3
POSE	0254	0646	*Cossura bansei*	1	0	0	1	3
POSE	0248	0683	*Decamastus nr. gracilis*	0	1	0	1	3
POSE	0274	0720	*Galathowenia oculata*	34	1	0	35	3
POSE	0248	0750	*Heteromastus filobranchus*	0	1	0	1	3
POSE	0276	0850	*Levinsenia gracilis*	5	0	0	5	3
POSE	0248	0945	*Mediomastus ambiseta*	3	0	0	3	3
POSE	0248	0948	*Mediomastus californiensis*	3	0	0	3	3
POSE	0280	1240	*Pectinaria californiensis*	0	0	1	1	3
POSE	0310	1610	*Prionospio (Minuspio) lighti*	4	0	0	4	3
POSE	0310	1605	*Prionospio (Prionospio) jubata*	1	0	0	1	3
POSE	0312	1860	*Sternaspis nr. fossor*	6	0	0	6	3
GVRD-7								
BRYO	1016	0027	*Bowerbankia gracilis*	1	0	0	1	1
BRYO	1012	0270	*Triticella pedicellata*	1	0	0	1	1
CRAM	0844	0600	*Heterophoxus affinis*	1	0	0	1	1
CRDE	0932	0230	*Pinnixa occidentalis*	1	1	0	2	1
CRIS	0750	0140	*Pleurogonium rubicundum*	1	0	0	1	1
CROS	0682	0060	*Euphilomedes producta*	3	0	0	3	1
ECHO	1092	0015	*Chirodota albatrossii*	11	1	0	12	1
ECHO	1096	0125	*Molpadia intermedia*	0	1	0	1	1
EURA	0323	0010	*Arhynchite pugettensis*	1	1	0	2	1
MOAP	0338	0030	*Chaetoderma argenteum*	2	1	0	3	1

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 7								
MOAP	0338	0050	*Falcidens longus*	1	0	0	1	1
MOBI	0462	0060	*Axinopsida serricata*	0	2	0	2	1
MOBI	0456	0530	*Macoma carlottensis*	0	6	9	15	1
MOBI	0456	0540	*Macoma elimata*	3	0	0	3	1
MOBI	0450	0900	*Solemya reidi*	1	3	0	4	1
MOBI	0478	1020	*Yoldia seminuda*	0	1	0	1	1
MOGA	0516	0090	*Astyris gausapata*	2	0	0	2	1
MOSC	0647	0063	*Pulsellum salishorum*	4	0	0	4	1
MOSC	0648	0080	*Rhabdus rectius*	0	0	1	1	1
NTEA	0156	0168	*Carinomella sp.*	0	1	0	1	1
NTEA	0148	0170	*Cerebratulus californiensis*	0	0	2	2	1
POER	0180	0500	*Glycera nana*	2	0	0	2	1
POER	0182	0530	*Glycinde armigera*	1	0	0	1	1
POER	0198	0615	*Lumbrineris cruzensis*	1	0	0	1	1
POER	0220	0666	*Malmgreniella berkeleyorum*	1	0	0	1	1
POER	0208	0831	*Onuphis nr. iridescens*	1	0	0	1	1
POER	0224	0900	*Pholoe spp.*	1	0	0	1	1
POER	0214	0960	*Phyllodoce spp.*	0	1	0	1	1
POER	0198	1040	*Scoletoma luti*	16	2	0	18	1
POSE	0242	0042	*Ampharete nr. acutifrons*	8	1	0	9	1
POSE	0252	0122	*Aphelochaeta sp. 2 (Ruff)*	1	0	0	1	1
POSE	0252	0495	*Chaetozone commonalis*	1	1	0	2	1
POSE	0254	0646	*Cossura bansei*	1	0	0	1	1
POSE	0248	0683	*Decamastus nr. gracilis*	1	0	0	1	1
POSE	0310	0700	*Dipolydora socialis*	7	6	2	15	1
POSE	0274	0720	*Galathowenia oculata*	32	3	0	35	1
POSE	0310	0800	*Laonice cirrata*	1	0	0	1	1
POSE	0276	0850	*Levinsenia gracilis*	2	0	0	2	1
POSE	0266	0920	*Maldane sarsi*	1	0	0	1	1
POSE	0248	0945	*Mediomastus ambiseta*	8	0	0	8	1
POSE	0248	0948	*Mediomastus californiensis*	10	2	0	12	1
POSE	0248	0950	*Mediomastus spp.*	8	0	0	8	1
POSE	0266	0987	*Microclymene nr. caudata*	0	5	1	6	1
POSE	0252	0995	*Monticellina serratiseta*	2	0	0	2	1
POSE	0274	1000	*Myriochele olgae*	1	0	0	1	1
POSE	0266	1050	*Nicomache personata*	34	0	0	34	1
POSE	0274	1163	*Owenia nr. johnsoni*	2	1	0	3	1
POSE	0280	1240	*Pectinaria californiensis*	3	0	0	3	1
POSE	0266	1540	*Praxillella gracilis*	0	1	0	1	1
POSE	0310	1610	*Prionospio lighti*	19	5	0	24	1
POSE	0310	1820	*Spiophanes berkeleyorum*	1	1	0	2	1
POSE	0312	1860	*Sternaspis nr. fossor*	1	0	1	2	1
POSE	0318	1990	*Trochochaeta multisetosa*	1	0	0	1	1
BRYO	1012	0270	*Triticella pedicellata*	1	0	0	1	2
CNHY	0088	0160	*Perigonimus repens*	2	0	0	2	2
CRAM	0844	0600	*Heterophoxus affinis*	1	0	0	1	2
CRCU	0700	0060	*Diastylis pellucida*	0	2	0	2	2
CRCU	0704	0125	*Eudorellopsis integra*	1	0	0	1	2
CRDE	0932	0230	*Pinnixa occidentalis*	0	0	1	1	2
CROS	0674	0020	*Bathyleberis sp.*	1	0	0	1	2
CROS	0682	0060	*Euphilomedes producta*	18	0	0	18	2
CROS	0682	0110	*Scleroconcha trituberculata*	1	0	0	1	2
ECEC	1082	0050	*Brisaster latifrons*	1	1	0	2	2
ECHO	1092	0015	*Chirodota albatrossii*	14	2	0	16	2
ECHO	1108	0100	*Leptosynapta transgressor*	2	6	0	8	2

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD-7								
ECHO	1096	0125	*Molpadia intermedia*	2	0	0	2	2
ECOP	1058	0040	*Amphiodia urtica*	0	1	0	1	2
ECOP	1074	0058	*Ophiura leptoctenia*	0	1	0	1	2
MOAP	0338	0030	*Chaetoderma argenteum*	2	0	0	2	2
MOBI	0462	0060	*Axinopsida serricata*	0	3	0	3	2
MOBI	0456	0530	*Macoma carlottensis*	1	12	15	28	2
MOBI	0456	0540	*Macoma elimata*	1	0	0	1	2
MOBI	0456	0542	*Macoma golkovi*	1	0	0	1	2
MOBI	0384	0675	*Neaeromya rugifera*	0	3	0	3	2
MOBI	0384	0860	*Rochefortia tumida*	1	0	0	1	2
MOBI	0450	0900	*Solemya reidi*	0	1	0	1	2
MOBI	0478	1020	*Yoldia seminuda*	3	0	0	3	2
MOGA	0518	0672	*Oenopota turricula*	1	0	0	1	2
MOSC	0647	0063	*Pulsellum salishorum*	2	0	0	2	2
MOSC	0648	0080	*Rhabdus rectius*	0	0	1	1	2
NTEA	0148	0170	*Cerebratulus californiensis*	0	1	0	1	2
POER	0198	0870	*Cenogenus simpla*	1	0	0	1	2
POER	0214	0365	*Eumida spp.*	1	0	0	1	2
POER	0180	0500	*Glycera nana*	1	1	0	2	2
POER	0182	0530	*Glycinde armigera*	2	1	0	3	2
POER	0198	0615	*Lumbrineris cruzensis*	2	0	0	2	2
POER	0220	0666	*Malmgreniella berkeleyorum*	3	0	0	3	2
POER	0202	0710	*Nephtys cornuta*	1	0	0	1	2
POER	0208	0830	*Onuphis iridescens*	2	0	0	2	2
POER	0208	0831	*Onuphis nr. iridescens*	3	0	0	3	2
POER	0208	0840	*Onuphis sp.*	0	0	1	1	2
POER	0224	0895	*Pholoe sp. N-1*	2	0	0	2	2
POER	0186	1025	*Podarkeopsis perkinsi*	0	1	0	1	2
POER	0198	1040	*Scoletoma luti*	22	0	0	22	2
POSE	0242	0042	*Ampharete nr. acutifrons*	8	3	0	11	2
POSE	0252	0120	*Aphelochaeta spp.*	2	0	0	2	2
POSE	0252	0495	*Chaetozone commonalis*	2	0	0	2	2
POSE	0310	0700	*Dipolydora socialis*	1	16	0	17	2
POSE	0266	0713	*Euclymene nr. zonalis*	0	1	0	1	2
POSE	0266	0710	*Euclymeninae indet.*	0	1	0	1	2
POSE	0274	0720	*Galathowenia oculata*	10	1	0	11	2
POSE	0276	0850	*Levinsenia gracilis*	1	0	0	1	2
POSE	0266	0920	*Maldane sarsi*	2	0	0	2	2
POSE	0248	0945	*Mediomastus ambiseta*	1	0	0	1	2
POSE	0248	0950	*Mediomastus spp.*	2	0	0	2	2
POSE	0266	0987	*Microclymene nr. caudata*	0	0	1	1	2
POSE	0270	1144	*Ophelina spp.*	0	1	0	1	2
POSE	0280	1240	*Pectinaria californiensis*	3	0	0	3	2
POSE	0310	1610	*Prionospio lighti*	1	0	0	1	2
POSE	0310	1820	*Spiophanes berkeleyorum*	2	2	0	4	2
POSE	0312	1860	*Sternaspis nr. fossor*	1	0	2	3	2
POSE	0316	1905	*Terebellides kobei*	1	0	0	1	2
BRYO	1012	0270	*Triticella pedicellata*	1	0	0	1	3
CNHY	0088	0160	*Perigonimus repens*	3	0	0	3	3
CRAM	0762	0140	*Ampelisca unsocalae*	0	1	0	1	3
CRAM	0844	0600	*Heterophoxus affinis*	2	0	0	2	3
CRCU	0704	0125	*Eudorellopsis integra*	1	0	0	1	3
CRDE	0932	0230	*Pinnixa occidentalis*	0	1	0	1	3
CROS	0682	0060	*Euphilomedes producta*	7	1	0	8	3
CRTA	0712	0040	*Leptognathia gracilis*	1	0	0	1	3

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD-7								
ECHO	1092	0015	*Chirodota albatrossii*	11	16	0	27	3
ECHO	1108	0100	*Leptosynapta transgressor*	0	2	0	2	3
ECOP	1058	0040	*Amphiodia urtica*	0	1	0	1	3
ECOP	1074	0070	*Ophiura sp.*	0	0	1	1	3
MOBI	0462	0060	*Axinopsida serricata*	0	2	0	2	3
MOBI	0462	0165	*Conchocele bisecta*	0	2	1	3	3
MOBI	0456	0530	*Macoma carlottensis*	2	22	9	33	3
MOBI	0456	0540	*Macoma elimata*	1	1	0	2	3
MOBI	0478	0585	*Megayoldia martyria*	0	0	3	3	3
MOBI	0384	0675	*Neaeromya rugifera*	0	5	0	5	3
MOBI	0392	0800	*Parvilucina tenuisculpta*	1	0	0	1	3
MOBI	0450	0900	*Solemya reidi*	0	2	1	3	3
MOBI	0478	1020	*Yoldia seminuda*	1	0	0	1	3
MOGA	0516	0090	*Astyris gausapata*	1	0	0	1	3
MOGA	0584	0380	*Euspira pallida*	0	0	1	1	3
MOGA	0634	0706	*Ophiodermella inermis*	1	0	0	1	3
MOSC	0647	0063	*Pulsellum salishorum*	3	0	0	3	3
POER	0220	0034	*Bylgides macrolepidus*	2	0	0	2	3
POER	0214	0320	*Eteone spilotus*	2	0	0	2	3
POER	0180	0500	*Glycera nana*	3	0	0	3	3
POER	0182	0530	*Glycinde armigera*	1	0	0	1	3
POER	0198	0615	*Lumbrineris cruzensis*	2	0	0	2	3
POER	0220	0666	*Malmgreniella berkeleyorum*	4	0	0	4	3
POER	0202	0710	*Nephtys cornuta*	2	0	0	2	3
POER	0198	1040	*Scoletoma luti*	21	2	0	23	3
POSE	0242	0042	*Ampharete nr. acutifrons*	5	2	0	7	3
POSE	0252	0120	*Aphelochaeta spp.*	1	0	0	1	3
POSE	0248	0383	*Barantolla nr. americana*	1	0	0	1	3
POSE	0252	0495	*Chaetozone commonalis*	1	1	0	2	3
POSE	0310	0700	*Dipolydora socialis*	4	1	0	5	3
POSE	0266	0713	*Euclymene nr. zonalis*	1	0	0	1	3
POSE	0266	0710	*Euclymeninae indet.*	0	1	0	1	3
POSE	0274	0720	*Galathowenia oculata*	7	0	0	7	3
POSE	0276	0850	*Levinsenia gracilis*	2	0	0	2	3
POSE	0248	0945	*Mediomastus ambiseta*	3	0	0	3	3
POSE	0248	0948	*Mediomastus californiensis*	19	0	0	19	3
POSE	0248	0950	*Mediomastus spp.*	8	0	1	9	3
POSE	0266	0987	*Microclymene nr. caudata*	0	2	0	2	3
POSE	0252	0995	*Monticellina serratiseta*	2	0	0	2	3
POSE	0251	1342	*Phyllochaetopterus pottsi*	1	0	0	1	3
POSE	0314	1440	*Polycirrus californicus*	0	0	1	1	3
POSE	0310	1610	*Prionospio lighti*	2	1	0	3	3
POSE	0310	1820	*Spiophanes berkeleyorum*	3	2	0	5	3
POSE	0312	1860	*Sternaspis nr. fossor*	1	0	0	1	3
POSE	0318	1990	*Trochochaeta multisetosa*	1	0	0	1	3

Table 14: Results of the benthic foraminifera and thecamoebian taxonomy and counts. Blank cells indicate a count of zero. Taxonomy follows Loeblich and Tappan, 1961.

		Foraminifera												Thecamoebians										
	Sample	Foraminiferal lining	*?Hemisphaerammina bradyi*	*Miliammina fusca*	*Cuneata arctica*	*Leptohalysis catella*	*Haplophragmoides manilaensis*	*Adercotryma glomerata*	*Spiroplectammina biformis*	*Jadammina macrescens*	*Trochammina inflata*	*Verneuilinulla advena*	**Total**	*Arcella vulgaris*	*Arcella* sp.	*Centropyxis aculeata*	*Centropyxis constricta*	*Difflugia ampullula*	*Difflugia oblonga*	*Pontigulasia constricta*	*Heleopera sphagni*	*Cyclopyxis arcelloides*	*Phryganella acropodia*	**Total**
GVRD-3	0-1 cm								7	1	1		9		1	6						4		11
	1-2 cm		84						7				91		1									1
	2-3 cm								4				4	1	6									7
	3-4 cm								17				17		1	8						8		17
	4-5 cm								11				11		5			1	1					7
	5-6 cm								14			1	15		2	5								7
	6-7 cm					12			19			4	35			11								11
	7-8 cm					3			18			3	24			7								7
	8-9 cm				2	9			17				28		2	42								44
	9-10 cm					3			10				13		2	12								14
	10-12 cm	5			4	5			29				38			8						2		10
	12-14 cm				2	5			20			2	29		1	3								4
	14-16 cm				1	3			21			1	26		1	2								3
	16-18 cm			1		12	1	1	12			1	28			9		2				4		15
	18-20 cm	3			3	15		1	26	1	2		48			14						5		19
	20-25 cm					18			25			1	44			20								20
	25-30 cm				1	6		4	17			2	30		1	6			1					8
	30-35 cm					7		5	18				30		1	6						3		10
	35-40 cm	5			1	9		10	31		2		53		2	207						5	3	217
	40-45 cm	5				13		3	12			1	29			7	1	2		2		5		17

		Foraminifera												Thecamoebians										
	Sample	Foraminiferal lining	*?Hemisphaerammina bradyi*	*Miliammina fusca*	*Cuneata arctica*	*Leptohalysis catella*	*Haplophragmoides manilaensis*	*Adercotryma glomerata*	*Spiroplectammina biformis*	*Trochammina macrescens*	*Trochammina inflata*	*Verneuilinulla advena*	**Total**	*Arcella vulgaris*	*Arcella* sp.	*Centropyxis aculeata*	*Centropyxis constricta*	*Difflugia ampullula*	*Difflugia oblonga*	*Pontigulasia constricta*	*Heleopera sphagni*	*Cyclopyxis arcelloides*	*Phryganella acropodia*	**Total**
GVRD-4	0-1 cm								3				3			15		2				3		20
	1-2 cm												0		2	9						12		23
	2-3 cm	2				5					1		6		3	6		2				5		16
	3-4 cm							1					1			6	1		1		1	7		16
	4-5 cm	3				3						4	7			7				1		6		14
	5-6 cm					2	1	1		1			5			5						5		10
	6-7 cm												0			3						8		11
	7-8 cm					2							2			5		1				4		10
	8-9 cm					2					1		3			13						10		23
	9-10 cm												0			7				2		2		11
	10-12 cm	1							3				3			11						5		16
	12-14 cm	1							1				1			5						5		10
	14-16 cm					2			3				5		1	9				1		4		15
	16-18 cm			1		6			6		1		14			3		1				3		7
	18-20 cm	2		2					5				7			10		1				4		15
	20-25 cm	1		2					2			1	5			5			1			7		13
	25-30 cm	1							4		1		5			17				1		5		23
	30-35 cm					2			6		1		9			8			3	1		3		15