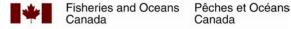
The Strait of Georgia Ambient Monitoring Program Phase I, 2002-2007: Sediment and Benthos.

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2008

Canadian Data Report of Fisheries and Aquatic Sciences 1208





Canadian Data Report of Fisheries and Aquatic Sciences

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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 ²¹⁰Pb and ²²⁶Ra, 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.dfompo.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 ²¹⁰Pb Dating

Subsamples for each core depth were sent to Flett Research Ltd. in Winnipeg, Canada for analysis of ²¹⁰Pb and ²²⁶Ra. ²¹⁰Pb was measured in all sections of each core (~22 samples/core), following the procedure of Eakins and Morrison (1978), while that of ²²⁶Ra was determined at three depths (top, middle, bottom) in each core, from the ingrowth of ²²²Rn 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 \pm 30%; precision of duplicates in a batch \pm 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 $\pm 1.6\%$, 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 0.1m² 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

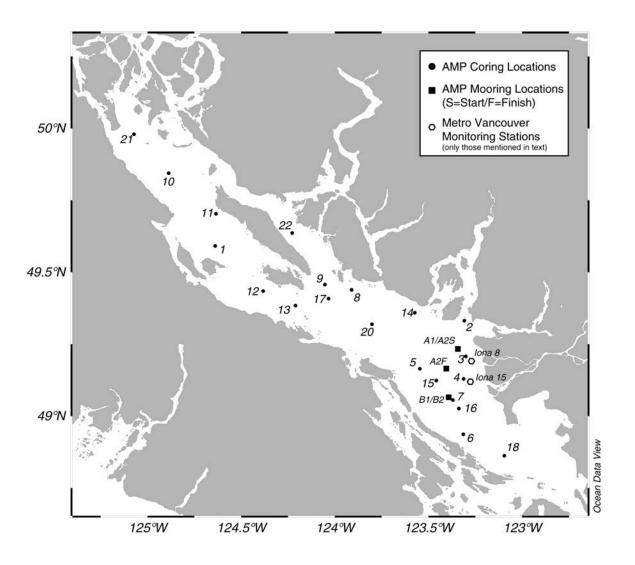
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Figure 1: Strait of Georgia Ambient Monitoring Program station map.



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

Core Description	on GVRD 1	Possibility of some compaction due to sitting overnight	
Date	June 19, 2003	1	
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	on 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 <i>Axinopsida</i> 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, <i>M. elminata</i>
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, <i>Yoldia</i> thraciaeformis, 1 pair valves, <i>Yoldia seminuda</i> , 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 Descripti	on GVRD 3
Date	December 19, 2002
Cruise No.	2002-41
Event No.	38
Core Length	47 cm

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	on 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 Descripti	on 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	"	"	II .	Absent

Core Descripti	on GVRD 5		
Cruise No.	2002-41	Latitude	49 09
Date	December 20, 2002	Longitude	123 32
Event No.	76	Water Depth	388
Core Length	52 cm	<u> </u>	

Core Depth (cm)	IMIUNSEII COIOUR SCAIEL MUNSEII COIOUR 1		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	"	II .	"	Absent
12-14	"	"	"	Absent
14-16	"	"	"	Absent
16-18	"	"	"	Absent
18-20	"	"	"	Absent
20-25	"	"	"	Absent
25-30	"	"	"	Absent
30-35	"	"	"	Absent

Core Description	on GVRD 6
Cruise No.	2003-24
te	June 18, 2003
Event No.	44
Core Length	45 cm

l	Core Depth (cm) Munsell Colour Scale		Munsell Colour	Description/Comments	Bivalves Collected
	0-1	5Y 5/2	dark olive drav	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 Descripti	on 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	plack to dark olive bioturbated	
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, <i>Macoma</i> (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	on GVRD 7
ate	December 6, 2003
Cruise No.	2003-41
Event No.	Not Taken
Core Length	45 cm

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	"	II .	"	"
3-4	"	II .	п	"
4-5	"	"	п	"
5-6	"	"	п	"
6-7	"	II .	п	"
7-8	"	II .	"	"
8-9	"	II .	"	"
9-10	"	II .	п	"
10-12	"	II	п	"
12-14	"	II	п	"
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		
Date	July 8, 2007		
Event No.	NA		
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	"	II .	as above
8-9	"	II.	as above
9-10	"	"	as above
10-12	"	"	dark olive gray with black mottling, somewhat less consolidated
12-14	"	II.	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	on 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	<u> </u>	

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 Descripti	on GVRD 9	1	
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	on GVRD 10		
Cruise No.	BEAM 2007-01	Latitude	49 50.6
Date	July 9, 2007	Longitude	124 53.:
Event No.	NA	Water Depth	310 n
Core Length	52 cm	<u> </u>	

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 Descripti	on GVRD 11
Cruise No.	BEAM 2007-01
Date	July 11, 2007
Event No.	NA
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	on GVRD 12
Cruise No.	BEAM 2007-01
Date	July 11, 2007
Event No.	NA
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	on 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	on GVRD 13		
Cruise No.	BEAM 2007-01	Latitude	49 23.05
ate	July 12, 2007	Longitude	124 12.61
Event No.	NA	Water Depth	326 m
Core Length	39 cm	<u>-</u>	

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
7-0			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
10-10			no more worm tubes
18-20	"	"	no comments
20-25	"	"	no comments
25.20	"		bivalve shell fragements, clay look
25-30			consistency
30-35	"	"	no comments

Table 1: Continued.

Core Description	on GVRD 14
Cruise No.	BEAM 2007-01
Date	July 13, 2007
Event No.	NA
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 Descripti	on GVRD 15
Cruise No.	BEAM 2007-01
Date	July 14, 2007
Event No.	NA
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 Descripti		
Cruise No.	2007-58]
Date	November 6, 2007	
Event No.	Not Recorded	
Core Length	23 cm	•

Latitude	49 01.605
Longitude	123 20.237
Water Depth	210 m

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; <i>Macoma spp</i> . valves, strong carbonate smell
4-5	5Y 2/2	black	as above, <i>Macoma spp</i> . 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 Descripti	on GVRD 17
Cruise No.	2007-58
Date	November 6, 2007
Event No.	Not Recorded
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 Descripti	on GVRD 18
Cruise No.	2007-67
Date	November 29, 2007
Event No.	Not Recorded
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
11-12			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	on GVRD 19
Cruise No.	2007-58
Date	November 6, 2007
Event No.	Not Recorded
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	on 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 Descripti	on GVRD 20		
Cruise No.	2007-67	Latitude	49 19.10
Date	November 29, 2007	Longitude	123 48.0
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	"	II .	no comments
9-10	"	II .	no comments
10-12	"	II .	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	"	II .	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 Descripti	on GVRD 21		
Cruise No.	2007-67	Latitude	49 5
Date	December 1, 2007	Longitude	125 0
Event No.	Not Taken	Water Depth	260
Core Length	45.3 cm	<u> </u>	

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	n n	"	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	II .	"	no comments
6-7	II .	"	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	II .	II .	no comments
18-20	II .	"	Increased consolidation
20-25	11	"	sulphidic
25-30	II .	"	no comments
30-35	"	"	sediments dry and sulphidic
35-40	"	"	no comments

Core Descripti	on GVRD 22		
Cruise No.	2007-67	Latitude	49
Date	December 1, 2007	Longitude	124
Event No.	Not Taken	Water Depth	3.
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
7-0			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	on 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 ²¹⁰Pb anaylsis.

Error Po 210 +/- 1 S.D. (DPM/g)		0.4024	0.4132	0.4349	0.4416	0.3923	0.4461	0.4288	0.3912	0.3886	0.3406	0.3136	0.2743	0.2796	
Po-210 Error Po Total 210 +/- 1 Activity S.D. (DPM/g) (Salt corrected)	L	10.3601	11.7914	10.8282	9.8603	9.7819	10.4828	9.0898	8.3108	8.0742	5.6461	5.3217	3.7121	3.5651	
Spike Activity (DPM/ ml)	1	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	
Spike Size (ml)	3	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
Count Time (sec)		30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	
Weight of Sample Counted-Salt (g)		0.430	0.487	0.493	0.459	0.439	0.467	0.466	0.494	0.475	0.493	0.480	0.475	0.471	-
Weight of Sample Counted (g)		0.497	0.559	0.562	0.517	0.496	0.523	0.522	0.553	0.531	0.548	0.530	0.524	0.520	-
Po-210 counts less detector back- ground		721.00	883.00	670.00	556.00	673.00	598.00	488.00	492.00	467.00	303.00	313.00	203.00	181.00	
Detector Po-210 Back- Ground Counts	i.	3 2	2	3	12	4	4	4	2	3	2	3	4	4	-
Po-210 counts	0	726	888	673	268	229	602	492	497	470	308	316	207	185	
Po-209 Po-210 Detector Po-210 Weight of counts Po-210 Counts Sample		2778	2645	2160	2113	2698	2104	1985	2065	2098	1876	2112	1986	1857	
Detector Po-209 Back- Ground Counts	c	∞ σ	13		11	4	12	11	8	6	13	- 2	4	11	
Po-209 counts		2786	2658	2167	2124	2702	2116	1996	2073	2107	1889	2119	1990	1868	
Plot-point of cumulative mass in current section (q/cm2)		0.11	0.62	0.85	1.11	1.37	1.63	1.90	2.17	2.45	2.88	3.47	4.08	4.70	
Cumulative Plot-point Mass to of Bottom of cumulative Current mass in Section current (g/cm2) section (g/cm2)	c c	0.22	0.73	26.0	1.24	1.49	1.77	2.04	2.31	2.59	3.16	3.78	4.39	5.01	
Mass in extrapolate section (g/cm2)	c	0.22	0.23	0.24	0.26	0.26	0.27	0.27	0.27	0.28	0.58	0.61	0.62	0.62	
Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	9	0.19	0.20	0.21	0.23	0.23	0.24	0.24	0.24	0.25	0.26	0.28	0.28	0.28	
	9	1.10	1.13	1.18	1.30	1.26	1.34	1.34	1.34	1.36	1.42	1.50	1.52	1.52	
Weight of wet sample (g)	C L	5.58	5.56	5.59	5.70	99.5	5.71	5.72	5.71	5.72	5.76	5.81	5.86	5.83	ĺ
Volume of wet sample (ml)	0	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	ĺ
Extrapolated Lower ection Depth (cm)		- 6	l 60	4	2	9	7	8	6	10	12	14	16	18	
Lower Extrapolated Extrapolated Volume Weight of Weight of Depth Upper Lower of wet dry Section Depth Section Depth sample sample sample (cm) (cm) (g) (g) (g)	- «	0 +	2	3	4	2	9	7	8	6	10	12	14	16	
	,	1	ı e	4	2	9	7	8	6	10	12	14	16	18	
		0 +	5	3	4	2	9	7	8	6	10	12	14	16	
Core Depth (cm) Upper	Core 1	0-1	2-3	34	4-5	2-6	2-9	7-8	6-8	9-10	10-12	12-14	14-16	16-18	
-			_	_	_	_	_	_	_	_	_	_	_	_	L

0.6595	0.6973	0.7872	0.5928	0.5104	0.6763	0.7854	0.5166	0.7544	0.6366	0.7092	0.6712	0.5171	0.4976	0.4831	0.3478	0.3314	0.2675	0.2626	0.2794	0.2550	0.4128
9:0038	10.6942	10.6498	9.6143	8.7987	9.6561	9.5468	9.2340	9.4368	10.3956	8.6480	8.5909	6.3841	4.1615	3.8105	3.9044	2.1519	2.4486	2.2749	2.1813	2.0310	2.6580
17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57	17.57
1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000
0.539	0.566	0.487	0.519	0.559	0.520	0.507	0.514	0.537	0.505	0.523	0.535	0.495	0.499	0.549	0.514	0.565	0.540	0.498	0.560	0.555	0.540
0.572	0.594	0.509	0.537	0.582	0.542	0.528	0.535	0.553	0.525	0.542	0.552	0.508	0.516	0.567	0.532	0.585	0.560	0.516	0.580	0.575	0.559
247.00	255.00	217.00	284.00	328.00	229.00	164.00	344.00	173.00	288.00	180.00	179.00	174.00	86.00	73.00	139.00	63.00	00.96	85.00	70.00	92.00	25.00
4	3	13	3	2	2	4	3	4	3	13	3	2	2	4	3	13	4	3	3	13	2
251	258	230	287	335	236	168	347	177	291	193	182	181	93	22	142	9/	100	88	73	105	62
800	728	724	985	1154	789	586	1254	591	949	689	674	954	716	604	1198	897	1256	1298	991	1366	663
7	2	14	2	8	7	8	5	7	2	14	2	8	7	8	2	14	7	2	2	14	8
807	733	738	066	1162	967	594	1259	298	954	703	629	962	723	612	1203	911	1263	1303	966	1380	671
0.23	0.75	1.34	1.99	2.67	3.30	3.93	4.57	5.23	5.89	6.92	8.38	10.02	11.62	13.11	15.69	19.28	22.79	26.31	29.94	22.79	29 94
74.0	1.04	1.63	2.36	2.99	3.61	4.24	4.89	99'9	6.22	19'1	9.16	10.89	12.36	13.87	17.50	21.05	24.52	28.09	31.78	24.52	31 78
0.47	0.57	09:0	0.72	0.63	0.63	0.63	0.65	29.0	99.0	1.39	1.55	1.73	1.47	1.51	3.63	3.55	3.47	3.57	3.68	3.57	3.68
0.44	0.54	0.57	0.70	0.61	09.0	0.61	0.62	0.65	0.64	29.0	0.75	0.84	0.71	0.73	0.70	69.0	29.0	69.0	0.71	69.0	0.74
2.30	2.80	2.94	3.55	3.11	3.08	3.11	3.17	3.31	3.25	3.41	3.80	4.26	3.62	3.72	3.58	3.49	3.42	3.51	3.63	3.42	3 63
6.39	92.9	6.84	7.17	6.88	68.9	6.85	96.9	6.24	7.01	7.10	7.35	79.7	7.13	7.32	7.20	71.17	7.10	7.22	7.35	7.10	7.35
4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
1.0	2.0	3.0	4.0	5.0	0.9	7.0	8.0	0.6	10.0	12.0	14.0	16.0	18.0	20.0	25.0	30.0	35.0	40.0	45	35.0	45
0	1	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	30	40
1	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	45	32	45
0	1	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	30	40
0-1	1-2	2-3	34	4-5	2-6	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-45	35-40 Duplicate	40-45 Duplicate

		_	_	_	_	_	_	_	_	_	_
0.2432	0.2450	0.2793	0.2441	0.2277	0.2475	0.2843	0.2711	0.1801	0.3226	0.2255	0.2713
3.6604	3.1087	3.7304	3.3139	3.3086	3.1740	3.9095	2.8987	2.2055	2.7452	2.5453	2.5245
17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62
1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000
0.523	0.503	0.503	0.518	0.502	0.517	0.507	0.532	0.554	0.537	0.509	0.526
0.543	0.519	0.518	0.532	0.515	0.528	0.519	0.543	0.564	0.546	0.519	0.536
250.00	178.00	214.00	203.00	239.00	189.00	210.00	128.00	168.00	98.00	142.00	105.00
4	3	13	3	4	4	4	3	4	13	3	2
254	181	227	506	246	196	214	131	172	111	145	112
2261	1972	1977	2048	2491	1994	1835	1439	2383	1151	1898	1369
7	2	14	2	8	7	8	2	7	14	2	8
2268	1977	1991	2053	2499	2001	1843	1444	2390	1165	1903	1377
0.35	1.07	1.84	2.66	3.53	4.49	5.47	6.44	7.49	8.62	10.33	12.52
69.0	1.45	2.23	3.09	3.98	5.01	5.94	6.95	8.03	9.22	11.45	13.59
69.0	97.0	0.78	0.85	0.89	1.03	0.93	1.00	1.09	1.18	2.23	2.14
69.0	92'0	0.78	0.85	68.0	1.03	0.93	1.00	1.09	1.18	1.12	1.07
3.54	3.85	3.96	4.32	4.49	5.17	4.71	5.05	5.44	5.92	5.59	5.36
7.43	7.43	7.50	7.71	7.83	8.33	7.97	8.26	8.43	8.76	8.78	8.29
4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
1	2	3	4	2	9	7	80	6	10	12	14
0	1	2	3	4	2	9	7	80	6	10	12
1	2	3	4	2	9	7	8	6	10	12	14
0	1	2	3	4	2	9	7	8	6	10	12
0-1	1-2	2-3	3-4	4-5	2-6	2-9	8-2	8-9	9-10	10-12	12-14
L	<u>L</u>	L	L	L	L	L	L	L	L	L	L

Table 2: Continued.

Error Po 210 +/- 1 S.D. (DPM/g)	0.2485	0.2550	0.2266	0.2220	0.1886	0.1767	0.1927	0.2112	0.2420	0.1857	0.2153	0.2149		0.2123	0.2062	0.2476	0.2494	0.2525	0.2530	0.2234	0.2627	0.2066
Po-210 E Total Activity (DPM/g) (salt corrected)	H	-	2.3927	Н	Н	1.7782	1.8587	-	H	-	-	Н		2.6460	Н	3.0281	Н	2.8096	Н	2.6571	Н	H
Spike Activity (DPM/ml)	H	17.62		17.62	_	17.62	17.62	17.62	17.62	17.62	17.62	17.62		17.62	_		_	-	H	17.62	17.62	Н
Spike Size (ml)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02		1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1 02
Count Time (sec)	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000		30000	30000	30000	30000	30000	30000	30000	30000	30000
Weight of Sample Counted- Salt (g)	0.499	0.496	002:0	0.494	0.519	0.521	0.509	0.539	0.446	0.535	0.543	0.518		0.512	0.527	0.503	0.497	0.533	0.512	0.508	0.526	0.510
Weight of Sample Counted (g)	605.0	909.0	0.512	0.505	0.531	0.532	0.520	0.551	0.456	0.545	0.555	0.530		0.525	0.541	0.516	609.0	0.546	0.524			_
Po-210 counts less detector back- ground	134.00	105.00	125.00	102.00	135.00	114.00	112.00	00'22	194.00	179.00	81.00	86.00		189.00	217.00	173.00	134.00	140.00	130.00	159.00	143.00	21800
Po-210 Detector counts Po-210 Back- Ground Counts		4	3	4	3	3	2	3	3	2	2	4		13	3	2	2	4	3	4	13	c
Po-210	141	109	128	106	138	117	119	80	197	186	88	06		202	220	180	141	144	133	163	156	221
Defector Po.209 Po.210 Detector Po.209 Counts Po.809 Back Counts Ground Back Ground Back Ground Co.800 Ground Groun	1759	1507	1809	1714	2174	2133	2049	1434	2350	2505	1493	1559		2416	2462	1968	1760	1620	1614	2040	1686	2546
Detector Po-209 Back- Ground Counts		80	2	2	2	2		2	2	80	80			14	2	80	7	80	9		14	S
Po-209 counts	1766	1515	1814	1721	2179	2138	2056	1439	2355	2513	1501	1566		2430	2467	1976	1767	1628	1619	2047	1700	2551
Plot-point of cumulative mass in current section (q/cm2)	14.60	16.62	18.55	21.86	26.60	31.45	36.49	41.46	5.47	7.49	31.45	41.46		0.44	1.32	2.18	3.07	3.97	4.88	5.84	6.85	7.86
umulative Mass to tottom of Current Section (g/cm2)		17.62	19.49	24.24	28.95	33.95	39.02	43.90	5.94	8.03	33.95	43.90		68.0	1.75	2.62	3.52	4.42	5.34	6.34	7.35	8.38
t./ Mass in C. c. extrapolated 3) section B ot (g/cm2) ed)	2.03	2.01	1.87	4.75	4.72	2:00	5.07	4.88	0.93	1.09	2:00	4.88		68.0	98.0	0.87	06:0	0.91	0.92	1.00	1.00	1 03
Dry W Wet co (g/cm) (33 pt) correct	1.01	1.00	0.93	0.95	0.94	1.00	1.01	86.0	0.93	1.09	1.00	96.0		68.0	98.0	0.87	06.0	0.91	0.92	1.00	1.00	1 03
Weight of Weight of wet dry sample (g) (g)	5.09	5.04	4.70	4.78	4.75	5.02	5.09	4.91	4.71	5.44	5.02	4.91		4.47	4.34	4.40	4.53	4.58	4.61	5.04	5.05	5 17
Weight of wet sample (g)	8.23	8.17	96'2	96'2	8.01	8.26	8.22	8.15	79.7	8.43	8.26	8.15		77.7	7.75	77.7	78.7	7.91	7.91	8.23	8.19	8 19
Volume of wet sample (ml)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92		4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4 92
Extrapolated Lower Section Depth (cm)	16	18	20	25	30	35	40	45		6	35	45		-	2	3	4	2	9	7	8	6
Extrapolated Extrapolated Upper Lower Section Depth Section Depth (cm)	14	16	18	20	25	30	35	40	9	8	30	40		0	1	2	3	4	5	9	7	œ
Lower Depth	16	18	20	25	30	35	40	45	7	6	35	45		1	2	3	4	2	9	7	8	6
Upper Depth	14	16	18	20	25	30	35	40	9	8	30	40		0	1	2	3	4	2	9	7	œ
Core Depth (cm)	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-45	6-7 Duplicate	8-9 Duplicate	30-35 Duplicate	40-45 Duplicate	Core 4	0-1	1-2	2-3	3-4	4-5	9-9	2-9	8-2	8-9

1																																									
	0.2494	0.2525	0.2530	0.2234	0.2627	0.2066	0.2101	0.2595	0.2292	0.2685	0.2569	0.2366	0.2252	0.2240	0.2436	0.2445	0.2303		0.4861	0.5370	0.4661	0.5138	0.4736	0.4704	0.4134	0.5205	0.3833	0.3800	0.4797	0.3924	0.4383	0.4279	0.5068	0.5007	0.4311	0.4710	0.3497	0.3803	0.3942	0.4458	0000
	2.6559	2.8096	2.7273	2.6571	2.7937	2.9089	2.5214	2.9089	3.0068	2.6290	2.7872	3.1708	2.7552	2.8434	3.1369	2.6246	3.1587		12.1615	13.6212	14.3495	11.6213	13.5478	12.6281	12.0776	10.0398	12.1489	12.1686	11.4153	11.0809	11.2549	10.0451	9.3440	10.5190	7.2439	6.8263	6.7329	4.8132	5.2453	6.3089	0000
	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62		17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	000
4 5 4 <td>1.02</td> <td></td> <td>1.01</td> <td>, 0 ,</td>	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02		1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	, 0 ,
	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000		30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	00000
4 5 4 5 4	0.497	0.533	0.512	0.508	0.526	0.510	0.548	0.502	0.541	0.488	0.501	0.512	0.486	0.493	0.485	0.514	0.547		0.503	0.496	0.484	0.498	0.482	0.497	0.498	0.480	0.496	0.524	0.510	0.500	0.479	0.497	0.489	0.520	0.539	0.508	0.545	0.516	0.506	0.501	000
4 4	0.509	0.546	0.524	0.519	0.537	0.520	0.559	0.511	0.551	0.498	0.510	0.521	0.494	0.502	0.494	0.523	0.557		0.543	0.532	0.517	0.531	0.518	0.528	0.528	905.0	0.523	0.551	0.534	0.521	0.504	0.521	0.514	0.545	0.573	0.508	0.545	0.516	0.506	0.501	0000
4 4 3 4	134.00	140.00	130.00	159.00	143.00	218.00	167.00	142.00	190.00	110.00	148.00	198.00	173.00	180.00	185.00	136.00	207.00		649.00	00'599	00'966	530.00	852.00	752.00	882.00	387.00	1037.00	1056.00	605.00	842.00	00.689	578.00	356.00	458.00	297.00	221.00	404.00	177.00	189.00	211.00	00,10
3 4	7	4	3	4	13	3	7	4	3	4	13	3	7	4	4	7	3		4	3	13	3	7	7	4	3	4	3	13	13	7	7	4	3	4	3	13	7	4	3	
3 4	141	144	133	163	156	221	174	146	193	114	191	201	180	184	189	143	210		653	899	1009	233	698	692	988	068	1041	1059	618	855	969	285	360	461	301	224	417	184	193	214	1100
3 4 4 4 4 4 4 6 4 6 7 7 4 4 7 1 4 7 1 4 1 0 9 2 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 9 1 1 0 8 9 6 4 2 6 1 1 1 0 8 9 6 4 2 8 1 1 1 0 8 9 6 4 2 8 1 1 1 0 8 9 9 8 9 9 8 4 4 2 8 1 1 1 0 8 9 9 8 4 8 6 6 1 0 9 1 1 0 9 1 1	1760	1620	1614	2040	1686	2546	2093	1686	2024	1485	1838	2115	2240	2224	2108	1746	2075		1721	1607	2351	1504	2126	1975	2422	1334	2858	2758	1738	2554	2127	1934	1298	1399	1253	1116	1928	1248	1247	1169	0,0,
3 4 3 4	7	8	2	7	14	2	8	8	2	7	14	2	8	8	7	7	2		7	2	14	2	8	7	8	2	7	2	14	14	8	7	8	2	7	2	14	8	8	2	
3 4 4 4 4 22 787 458 0.90 0.90 0.85 6	1767	1628	1619	2047	1700	2551	2101	1694	2029	1492	1852	2120	2248	2232	2115	1753	2080		1728	1612	2365	1509	2134	1982	2430	1339	2865	2763	1752	2568	2135	1941	1306	1404	1260	1121	1942	1256	1255	1174	,
3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 6	3.07	3.97	4.88	5.84	6.85	7.86	8.90	10.50	12.64	14.74	16.83	18.98	22.88	28.45	33.85	22.88	28.45		0.18	0.55	0.94	1.36	1.76	2.18	2.63	3.11	3.61	4.13	4.94	6.05	7.14	8.20	9.28	11.16	13.64	16.60	19.91	22.84	25.79	19.91	01 00
3 4 4 4 4 4 4 92 7.87 4.58 0.90 6 6 6 6 6 6 4.92 7.91 4.61 0.90 7 8 6 6 6 6 6 6 6 1.00 8 9 8 9 8.492 8.19 5.25 1.00 10 10 9 10 4.92 8.37 5.25 1.00 10 10 9 10 4.92 8.37 5.25 1.00 10 10 9 10 4.92 8.37 5.37 1.00 10 10 9 10 4.92 8.37 5.37 1.00 11 14 12 14 4.92 8.37 5.37 1.00 12 14 16 4.92 8.37 5.34 1.00 18 10 10 4.92	3.52	4.42	5.34	6.34	7.35	8.38	9.42	11.57	13.72	15.76	17.89	20.06	25.70	31.20	36.49	25.70	31.20		0.36	0.74	1.14	1.57	1.96	2.40	2.86	3.36	3.86	4.40	5.48	6.62	7.65	8.74	9.81	12.50	14.79	18.41	21.41	24.27	27.31	21.41	
3 4 3 4 492 787 458 5 6 6 6 6 492 791 458 6 7 6 7 6 791 468 7 6 6 6 6 6 6 6 6 8 9 6 7 6 82 819 606 10 9 10 9 10 482 819 606 10 10 9 10 482 819 606 10 9 10 482 819 606 10 11 14 482 819 606 10 12 14 482 819 619 11 14 16 18 492 819 619 10 18 16 14 482 819 619 610 20 25 20	0.90	0.91	0.92	1.00	1.00	1.03	1.05	2.14	2.15	2.04	2.13	2.17	5.64	5.50	5.29	5.64	5.50		0.36	0.38	0.41	0.42	0.39	0.45	0.46	0.49	0.50	0.54	1.09	1.14	1.03	1.09	1.07	2.69	2.28	3.63	3.00	2.86	3.04	3.00	
3 4 3 4 4.92 7.91 6 6 6 6 6 4.92 7.91 6 6 6 6 7 4.92 7.91 7 6 7 6 7 4.92 7.91 8 9 8 9 4.92 8.19 10 12 10 4.92 8.19 10 12 10 4.92 8.19 10 12 10 4.92 8.19 10 12 10 4.92 8.10 11 12 14 4.92 8.10 14 16 14 4.92 8.40 16 18 16 10 4.92 8.40 16 19 1 1 4.92 8.40 16 10 1 1 4.92 8.40 16 20 25 30 4.92 8.40 </td <td>0.90</td> <td>0.91</td> <td>0.92</td> <td>1.00</td> <td>1.00</td> <td>1.03</td> <td>1.05</td> <td>1.07</td> <td>1.08</td> <td>1.02</td> <td>1.07</td> <td>1.08</td> <td>1.13</td> <td>1.10</td> <td>1.06</td> <td>1.13</td> <td>1.10</td> <td></td> <td>0.36</td> <td>0.38</td> <td>0.41</td> <td>0.42</td> <td>0.39</td> <td>0.45</td> <td>0.46</td> <td>0.49</td> <td>0.50</td> <td>0.54</td> <td>0.54</td> <td>0.57</td> <td>0.51</td> <td>0.55</td> <td>0.54</td> <td>0.54</td> <td>0.46</td> <td>0.73</td> <td>09.0</td> <td>0.57</td> <td>0.61</td> <td>09.0</td> <td>, 00</td>	0.90	0.91	0.92	1.00	1.00	1.03	1.05	1.07	1.08	1.02	1.07	1.08	1.13	1.10	1.06	1.13	1.10		0.36	0.38	0.41	0.42	0.39	0.45	0.46	0.49	0.50	0.54	0.54	0.57	0.51	0.55	0.54	0.54	0.46	0.73	09.0	0.57	0.61	09.0	, 00
3 4 3 4 4 4 4 4 9 4 9 4 9 6 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 7 6 9 7 6 9 7 6 9 7 6 9 7 6 9 7 6 9 7 6 9 7 6 9 8 9 8 9 9 8 9 9 8 9 9 8 9	4.53	4.58	4.61	5.04	5.05	5.17	5.25	5.37	5.39	5.12	5.34	5.44	5.65	5.51	5.31	5.65	5.51		1.91	2.00	2.13	2.22	2.05	2.33	2.40	2.56	2.59	2.80	2.80	2.92	2.66	2.82	2.77	2.78	2.39	3.57	2.95	2.81	2.99	2.95	000
3 4 3 4 4 4 4 4 4 9 4 4 9 6	7.87	7.91	7.91	8.23	8.19	8.19	8.32	8.37	8.40	8.20	8.36	8.44	8.54	8.46	8.34	8.54	8.46		6.12	6.13	6.29	98.9	6.39	6.45	6.49	6.54	6.57	6.88	6.70	6.73	6.43	6.65	6.74	08.9	69.9	6.74	6.74	9.76	8.78	6.74	010
3 4 5 4 3 4 5 4 4 3 6 6 6 6 6 6 8 9 10 9 7 6 7 6 7 7 6 7 7 6 7 7 6 6 7 6 6 7 6 6 7 6	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92		4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	
2 4 4 6 6 6 6 7 7 7 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	25	30		1	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	45	20	40	-
8 4 4 9 9 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	20	25		0	-	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	45	35	
	4	2	9		8	6	10	12	14	16	18	20	25	30	35	25	30		1	2	3	4	2	9		8	6	10	12	14	16	18	20	25	30	35	40	45	20	40	-
26.26 Duplicate Core 5 Core 6 Core 6 Core 5 Core 6 Core 6 Core 6 Core 7 Core 7 Core 6 Core 6 Core 5 Core 6 Core 6 Core 6 Core 7 Core 6 Core 6 Core 6 Core 6 Core 6 Core 6 Core 7 Core 6 Core 7 Core 6 Core 6 Core 6 Core 7 Core 6 Core 6 Core 6 Core 6 Core 7 Core 7 Core 7 Core 6 Core 7 Core 7 Core 6 Core 7 Core 6 Core 7 Core 6 Core 7 Core	3	4	2	9		8	6	10	12	14	16	18	20	25	30	20	25		0	1	2	3	4	2	9		8	6	10	12	14	16	18	20	25	30	35	40	45	32	
	3-4	4-5	2-6	2-9	7-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	20-25 Duplicate	25-30 Duplicate	Core 5	0-1	1-2	2-3	3-4	4-5	2-6	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-45	45-50	35-40 Duplicate	

Table 2: Continued.

Error Po 210 +/- 1 S.D. (DPM/g)	0.7788	0.6828	0.6983	0.7453	0.9051	0.8230	0.6264	1.0589	0.8789	0.9180	0.7694	0.7906	0.7704	0.7716	0.6911	0.7344	0.7309	1.0272	0.7444	0.7184	0.7448	_	0.3733	0.3406	0.3295	0.2874	0.3577	0.3269	0.2594	0.2509	0.1617	0.1763	0.1311	0.1635	0.1757	0.1395	0.1428	0.1382	0.1514	0.0987	0.1659	0.2402	0.1106		000	0.1960
Po-210 Total Activity (DPM/g) (salt	23.1367	20.7084	22.7069	24.4871	21.8624	22.4433	21.3682	22.9177	21.9036	21.3111	23.9793	19.7067	19.8776	20.6853	19.6409	17.2455	17.6883	19.0931	18.5177	18.9960	14.5094		7.4779	6.8807	6.0603	4.9210	5.5223	4.1903	5.0180	3.1022	1.7152	1.9432	1.3669	2.1820	2.1486	2.0409	2.3033	0.770	1 0769	0.7788	1.8208	2.1954	0.6888			10.6583
Spike Activity (DPM/ ml)	17.57	17.57	17.57	17.57	17.57	+	17.57	+	17.57	╁	┢	17.57	+	Н	17.57	17.57	17.57	17.57	17.57	17.57	17.57		19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.55	19.53	19.53	19.53	19.53			20.05
	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51		ŀ	0.51
Count Time (sec)	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000		30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000		00000	00009
Weight of Sample Counted- Salt (g)	0.514	0.542	0.526	0.556	0.531	0.540	0.568	0.575	0.564	0.498	0.502	0.485	0.579	0.535	0.519	0.503	0.509	0.513	0.514	0.533	0.509		0.486	0.544	0.608	0.652	0.588	0.557	0,589	0.577	0.629	0.500	0.641	0.555	0.590	0.822	0.800	0.489	0.567	0.27	0.717	0.470	0.601		017	1.172
Weight of Sample Counted (g)	0.514	0.542	0.526	0.556	0.531	0.540	0.568	0.575	0.564	0.498	0.502	0.485	0.579	0.535	0.519	0.503	0.509	0.513	0.514	0.533	0.509		0.502	0.559	0.620	0.663	0.600	0.568	0.599	0.586	0.638	0.508	0.652	0.565	0.601	0.838	0.810	100.0	0.300	0.22	0.729	0.479	0.615		010	1.256
Po-210 V counts less detector back- ground	948.00	981.00	1131.00	1148.00	640.00	794.00	1238.00	503.00	664.00	579.00	1032.00	664.00	711.00	769.00	859.00	592.00	744.00	351.00	409.00	646.00	695.00		424.00	416.00	346.00	301.00	248.00	225.00	380.00	174.00	120.00	129.00	118.00	184.00	159.00	220.00	768.00	24.00	26.00	27.00	128.00	103.00	47.00		,000	3031.61
Detector Po-210 Back- Ground Counts	2	3	2	3	12	4	4 ,	4 0,	4	İ	Ħ	4	1	2	3	2	12	4	4	3	4		12	4	4	4 1	o c	0 10	0 60	12	4	4	2	ကျ	c c	n •	4 4	4 4	t (ם עכ	4	12	2		Γ	53
Po-210	953	984	1136	1151	652	798	1242	200	899	584	1035	899	715	774	862	597	756	355	413	649	669		436	420	350	305	253	230	383	186	124	133	123	187	164	273	717	88	- 20	26	132	115	52		0000	3086
Po-209 counts less detector back- ground	1375	1510	1638	1460	954	1135	1/66	1.00	920	945	1485	1204	1069	1203	1460	1182	1326	640	950	1186	1245		1167	1112	939	939	164	910	1287	972	1112	1328	1348	1520	1255	1312	1454	1420	911	1296	980	666	1136		out o	2459
Detector Po-209 e Back- Ground Counts	8	6	13	7	11	4 5	7.7	= =	_ 4	. &	6	12	11	8	6	13	11	4	12	7	4		11	4	12	7	∞ α	9 67	2	- 11	4	12	8	o :	13	,	4 (71	σ	. 2	11	11	· &		00	77 62
Po-209 counts	1383	1519	1651	1467	965	1139	8//1	2/0	935	953	1494	1216	1080	1211	1469	1195	1337	644	962	1193	1249		1178	1116	951	950	7//	925	1294	983	1116	1340	1356	1529	1268	1319	1458	1432	920	1309	991	1010	1144			2481
Plot-point of cumulative mass in current section (g/cm2)	0.20	0.65	1.20	1.82	2.52	3.28	4.05	4.82	5.02	7.81	9.60	11.41	13.23	15.01	18.23	23.03	27.69	32.21	36.87	23.03	27.69		0.37	1.15	2.06	3.11	4.17	9.19	7.31	8.46	9.70	11.51	13.84	16.05	18.18	20.27	23.76	28.40	37.25	41 09	11.51	20.27	32.86	-	0	132
Cumulative Mass to Bottom of c Current Section (g/cm2)	0.36	0.49	0.55	0.64	0.72	0.75	0.75	0.74	0.84	0.89	98.0	06.0	0.87	98.0	0.91	96.0	98.0	0.90	0.92	96.0	98.0		0.73	1.56	2.56	3.66	4.6/	9.76	7.86	9.07	10.34	12.69	14.98	17.13	19.22	21.32	26.20	30.60	30.11	42.80	12.69	21.32	35.11			1.15
n ited	0.39	0.51	0.59	99.0	0.74	0.77	0.78	0.77	0.86	1.82	1.76	1.85	1.79	1.77	4.67	4.92	4.41	4.63	4.68	4.92	4.41		0.73	0.83	1.00	1.10	1.01	1.04	1.10	1.21	1.27	2.35	2.29	2.15	2.10	2.09	4.88	4.40	4.31	3.42	2.35	2.09	4.51	•		1.15
.: () (d)	0.36	0.49	0.55	0.64	0.72	0.75	0.75	0.74	0.84	0.89	98.0	06.0	0.87	98.0	0.91	96.0	98.0	06:0	0.92	96.0	98.0		0.73	0.83	1.00	1.10	1.01	105	1.10	1.21	1.27	1.18	1.15	1.07	1.05	1.05	0.98	88.0	0.90	0.85	1.18	1.05	06.0	-	000	0.38
of e	1.93	2.53	2.88	3.25	3.65	3.79	3.83	3.78	4.24	4.48	4.34	4.55	4.41	4.36	4.60	4.84	4.34	4.56	4.61	4.84	4.34		3.72	4.20	5.02	5.49	5.08	5.27	5.52	6.03	6.34	5.88	5.74	5.38	5.25	27.2	4.90	4.44	434	4.32	5.88	5.25	4.54		,	176
Weight of V	6.10	6.50	7.50	68.9	7.25	7.39	7.41	7.50	7.61	7.70	7.70	7.70	69.2	7.70	7.80	7.97	7.65	7.73	7.82	7.97	7.65		7.32	7.66	7.94	8.38	71.0	8.36	8.45	8.78	8.97	8.69	8.80	8.30	8.23	8.34	1.74	7.79	7.68	7.65	8.69	8.34	7.73		000	0.32
Volume Volume of wet sample (ml)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92		4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4 92	4.92	4.92	4.92		000	97.0
	1	2	3	4	2	1 0	,	∞ σ	10	12	14	16	18	20	25	30	35	40	45	30	35		1	2	3	4 ı	2	0 /	. 00	6	10	12	14	16	18	20	52	30	33	44	12	20	35			n e
Extrapolated Extrapolated Upper Lower Section Depth Section Depth (cm)	0	1	2	3	4 -	2	10	\	0 0	10	12	14	16	18	20	25	30	35	40	25	30		0	1	2	е .	4	0	2	. 80	6	10	12	14	91	8 6	20	52	35	40	10	18	30	1		0 6
Lower E	1	2	3	4	2	1 02	_ 0	10 C	10	12	14	16	18	20	25	30	35	40	45	30	32		_	2	3	4 r	c c	0 /	. 8	6	10	12	14	16	18	20	22	30	33	44	12	20	35			5
Upper Depth	0	1	2	3	4 1	2	9 1	, 0	0 0	10	12	14	16	18	20	25	30	32	40	25	30	Ī	0	1	2	е,	4 1	ი ფ	_	. &	6	10	12	14	9 9	20 00	70	52	35	80	10	18	30		,	7 0
	0-1	1-2	2-3	3-4	4-5	2-0	0-1	φ, ο	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-45	25-30 Duplicate	30-35 Duplicate	Core 7	0-1	1-2	2-3	34	t-4	2-9	7-8	6-8	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	35.40	40-44	10-12 Duplicate	18-20 Duplicate	30-35 Duplicate	e di c	0 0 0 0	2-3

0.1080	0.1.00	0.2262	0.2176	0.2185	0.2443	0.2577	0.2307	0.2150	0.1863	0.1917	0.1538	0.1191	0.1356	0.1132	0.0918
10.6593	0.000	10.8568	11.3958	11.3556	10.5846	10.5000	9.5908	9.2370	8.5813	7.0185	4.7500	3.4329	2.7891	2.3295	1.6144
30.05	20.00	19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.95
0.51	0.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
00008	00000	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
4 4 7 2	1.172	1.011	1.013	1.139	1.096	1.017	1.159	1.109	1.066	1.226	1.161	1.103	1.153	1.146	1.146
1 256	2007	1.099	1.097	1.221	1.176	1.090	1.235	1.187	1.134	1.315	1.235	1.173	1.228	1.214	1.201
3031 61	10.1505	2376.00	2788.77	2744.57	1913.68	1693.50	1760.52	1883.24	2162.43	1404.89	22.066	876.09	454.72	456.88	342.10
23	23	23	8	6	8		9		2	23	8	6	8		9
3000	2000	2427	2828	2781	1943	1721	1787	1914	2198	1449	1022	915	481	486	372
2450	2409	2193	2446	2149	1670	1606	1604	1861	2395	1654	1820	2343	1432	1733	1872
CC	77	22	7	25	23	19	16	21	17	22	7	25	23	19	16
2404	2+01	2215	2453	2174	1693	1625	1620	1882	2412	1676	1827	2368	1455	1752	1888
900	0.90	1.32	1.65	2.02	2.40	2.79	3.20	3.61	4.23	5.05	5.86	6.72	7.58	9.13	11.58
1 15	1.13	1.48	1.83	2.21	2.60	2.99	3.41	3.81	4.66	5.43	6.29	7.15	8.00	10.27	12.89
1 15	1.10	0.33	0.34	0.39	0.38	0.39	0.42	0.40	98.0	0.77	98.0	98.0	0.84	2.27	2.62
85 U	0.00	0.33	0.34	66.0	0.38	66.0	0.42	0.40	0.43	0.38	0.43	0.43	0.42	0.45	0.52
0.11	0.1	1.76	1.84	2.04	2.03	2.06	2.20	2.10	2.24	2.03	2.26	2.26	2.21	2.37	2.71
65.0	0.02	6.04	60.9	6.18	6.20	6.23	6.30	6.27	6.34	6.22	6.35	6.34	6.30	6.39	6.44
96.0	0.50	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
c	0	4	2	9	7	8	6	10	12	14	16	18	20	25	30
_	0	က	4	2	9	7	8	6	10	12	14	16	18	20	25
c	0	4	2	9	7	8	6	10	12	14	16	18	20	22	30
c	7	က	4	2	9	7	8	6	10	12	14	16	18	20	25
2.0	5-3	8 4	4-5	9-9	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30

Table 2: Continued.

Error Po 210 +/- 1 S.D. (DPM/g)	0.0859	0.0750	00000	0.0090	0.1268		0.2461	0.2246	0.2188	0.2443	0.2189	0.2228	0.1997	0.2300	0.3834	0.1643	0.1701	0.1956	0.2277	0.1331	0.1605	0.0827	0.2192	0.3254	000	0.2523	0.2698	0.2429	0.2410	0.2248	0.1916	0.1629	0.1793	0.1510	0.1463	0.0893	0.0888	0.0836	0.0691	0.0030	0.1254	0.0855		0.2303	0.2330	0.2230	0.2245	0.3868	0.2534	0.2183
Po-210 Total Activity (DPM/g) (salt corrected)	1.2275	1.2431	1.1028	1.0309	4.8170		15.4800	14.3642	13.5289	12.7733	11.8601	11.1800	10.9946	8.4800	7.5700	7.0007	5.7304	4.8962	3.2431	2.0204	2.1761	1.6030	7 1303	7.1383	0044	13.1815	12.7746	12.9325	12.5624	10.6/19	9.1436	7.5788	6.4088	4.5762	3.1200	1.7300	1.4426	0.9700	0.7768	0.8640	3.1052	1.1587		13.3688	14.3490	14.1704	13.8595	14.1520	13.4601	13.1730
Spike Activity (DPM/ ml)	19.95	19.90	19.95	19.90	19.95		19.95	19.95	19.95	19.95	19.95	19.95	19.95	19.90	19.94	19.94	19.94	19.94	19.94	19.94	19.94	20.05	19.94	19.94	7	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.92	19.94	19.94	19.94	19.94	19.94	19.94	19.94		+	+	19.94	H	19.94	19.94	19.94
	0.51	0.0	0.51	0.0	0.50		0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.0	0.51	0.51	0.51	10.51	1001	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5085	0.5082	0.5082		0.5082	0.5082	0.5082	0.5082	0.5082	0.5082	0.5082
					00009		00009	00009	00009	00009	00009	00009	00009	90000	00009	00009	00009	00009	00009	90000	00009	00009	00009	90009	00000	00009	00009	00009	00009	90000	00009	00009	00009	00009	90000	00009	00009	00009	00009	90000	00009	00009		00009	00000	00009	00009	00009	00009	90000
Weignt of Sample Counted- Saft (g)	1.200	100	1.188	1.133	1.312		1.113	1.098	1.142	1.131	1.128	1.189	1.204	1.152	1.195	1.136	1.151	1.125	1.196	1.149	1.147	1.257	1.238	1.104	4 0 4 1	1.017	1.102	1.121	1.146	1.151	1.109	1.223	1.098	1.095	1.151	1.149	1.182	1.103	1.116	1.180	1.125	1.110		1.042	1.181	1.217	1.267	1.200	1.287	1.361
Sample Counted (g)	1.270	1.222	1.258	1.221	1.395		1.203	1.185	1.228	1.219	1.208	1.273	1.283	1 284	1.283	1.207	1.231	1.206	1.283	1 245	1.223	1.335	1.325	1.239	707	1.164	1.226	1.254	1.279	1.274	1.226	1.350	1.211	1.200	1 176	1.261	1.281	1.207	1.216	1 228	1.236	1.214		1.188	1.319	1.348	1.405	1.332	1.424	1.495
counts less detector back-					2052.47 1517.79		3995.08	4168.90	3871.65	2773.23	2978.27	2554.21	3073.03	1537 41	410.15	1862.76	1172.08	654.66	220.66	304 47	230.10	414.34	2895.23	502.14	00.444	3203.33	2276.70	2872.91	2756.80	1450 69	2321.85	2212.56	1316.38	955.87	485.84	408.91	322.12	165.70	159.74	221.41	646.53	237.39		3417.64	3560 15	4082.74	3849.97	1362.74	2852.94	3712.53
Po-210 Back- Ground Counts	T	Ť	xo c	T	23		2	23	0 0	8	7	9 1	7	0 80	8	6	8	7	9	٠ ـ	23	ω.	1 00		d	D 00	7	9	7	23	8	6	8	7	2 /	. 2	23	8	o 0	2 /	2	23		∞ σ		T	9	7	20	23
counts	262	- t	207	2000	1573		4030	4226	3913	2806	3014	2585	3110	1580	424	1902	1203	229	234	444	265		2929		0407	3242	2305	2905	2789	1490	2360	2253	1349	988	212	441	370	194	193	256	677	284		3457	3595	4120	3884	1380	2879	3762
counts less detector back- ground	1611	2/12	1942	2232	2313		2336	2663	2526	1934	2243	1936	2340	1530	457	2361	1790	1198	1300	1399	926	2082	2012	410	0000	2362	1640	2009	1941	1889	2322	2421	1896	1935	1797	2086	1916	1563	1868	2202	1875	1871		2485	2128	2398	2221	813	1669	2098
Po-209 Back- Ground	21	<u> </u>	/	67	22		17	22	25	23	19	16	21	71	7	25	23	19	16	17	22	7	23	5	L	23 52	19	16	21	77	7	25	23	19	21	17	22	7	52	19	17	22		7	23	19	16	21	17	22
counts	1632	2109	1949	1000	2408		2353	2685	2551	1957	2262	1952	2361	1552	464	2386	1813	1217	1420	1420	951	2089	2035	933	0.550	2385	1659	2025	1962	1906	2329	2446	1919	1954	1818	2103	1938	1570	1893	2225	1892	1893		2492	2151	2417	2237	834	1686	0717
cumulative mass in current section (q/cm2)	14.06	10.30	18.08	0.12	5.86		0.88	1.23	1.97	2.34	2.71	3.10	3.51	4.17	5.74	6.56	7.39	8.76	10.69	14.62	16.63	18.77	3.10	4. 4.	700	0.53	0.78	1.03	1.28	1.55	2.08	2.36	2.79	3.37	3.90	5.14	6.26	7.86	9.41	12.14	3.96	7.86		0.32	62.0	1.05	1.33	1.59	1.86	2.15
Mass to Bottom of c Current Section (g/cm2)	15.23	17.04	19.83	22.10	6.29		1.05	1.41	2.16	2.52	2.91	3.30	3.72	10.4	6.13	6.99	7.79	9.73	11.66	13.00	17.67	19.86	3.30	6.13	4	0.65	0.91	1.16	1.41	1.68	2.22	2.50	3.07	3.67	4.25	5.43	7.10	8.62	10.21	13.83	4.25	8.62		0.43	0.07	1.19	1.46	1.73	2.00	2.29
extrapolated section B (g/cm2)	2.34	2.3	2.29	2.33	0.86		1.05	0.36	0.30	0.36	0.38	0.40	0.42	0.09	0.77	0.87	0.80	1.93	1.93	1 94	2.08	2.18	0.40	0.77	9	0.42	0.26	0.25	0.26	0.27	0.28	0.28	0.57	0.60	0.59	0.59	1.66	1.53	1.58	1.00	0.59	1.53		0.43	0.25	0.27	0.27	0.27	0.27	67.0
:: t d)	0.47	0.40	0.46	74.0	0.43		0.35	0.36	0.30	0.36	0.38	0.40	0.42	0.45	0.38	0.43	0.40	0.39	0.39	0.40	0.42	0.44	0.40	0.38		0.23	0.26	0.25	0.26	0.27	0.28	0.28	0.28	0.30	67.0	0.30	0.33	0.31	0.32	3.5	0.29	0.31		0.21	0.25	0.27	0.27	0.27	0.27	0.29
	H	+	+	+	2.26				1.96							2.27	2.10	2.04	2.04	2.05	2.19	2.28	2.08	2.03	L	1.1/	+		_	+	+		Н	+	+	+	Н	\dashv	+	+	+	H		+	+		Н	Н	+	+
5 0	H	+	+	+	6.35		6.09	6.09	6.15	6.15	6.09	6.23	6.29	0.30	6.22	6.34	6.22	6.22	6.21	6.24	6.31	6.31	6.23	9.77	ŀ	5.72	+	Н	+	$^{+}$	+	-	H	+	+	+	H	H	+	+	t	H		+	+	5.83	H	H	+	+
o o	П	Ť	T	Ť	4.92		4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	ŀ	4.92	╁	H	+	+	+	H	H	+	+	╁	Н	\dashv	+	+	+			+		4.92	H	H	+	+
	35	ş ţ	45	8 4	16		3.0	0.4	0.0	7.0	8.0	0.6	10.0	12.0	16.0	18.0	20.0	25.0	30.0	35.0	45.0	50.0	9.0	16.0	c	3 8	9 4	5	9	/ 8	0 0	10	12	41	18	20	25	30	35	40	16	30		2 °	0 4	2	9	7	ω (D :
ared er Depth)	30	200	40	1 42	14		0	m 4	t 10	9	7	80 0	D C	10	14	16	18	20	25	35	40	45	ω τ	4		0 0	3 1	4	2	9 1	- 80	6	10	12	4 14	18	20	25	30	35	14	25		0	4 63	0 4	2	9	7	20
h h	35	4	6 6	8	16		8	4 4	0 0	7	80	6	10	14	16	18	20	25	30	200	45	20	D 4	91	c	3 8	4	2	9 1	- α	0 0	10	12	4 5	9 8	20	25	30	35	45	16	30		2 6	0 4	5	9	7	∞ α	ກ :
<u>.</u> -	30	200	40	1 42	14		2	8	4 10	9	7	ω σ	D (10	14	16	18	20	30	35	40	45	80 \$	4	,	- 2	1 E	4	2	9 2	- 80	6	10	12	4 14	18	20	25	30	33	14	25		- 0	4 65	0 4	2	9	7	×
	30-35	22-40	40-44	40-20	7-8 Duplicate 14-16 Duplicate	Core 9	2-3	34	2 4-9	2-9	7-8	8-9	9-10	12-12	14-16	16-18	18-20	20-25	25-30	35.40	40-44	45-50	8-9 Duplicate	14-16 Duplicate	Core 10	2-3	3.4	4-5	2-6	/-9 2-8	9-8	9-10	10-12	12-14	16-18	18-20	20-25	25-30	30-35	35-40	14-16 Duplicate	25-30 Duplicate	Core 11	1-2	3 45	4-5	2-6	6-7	7-8	5-0 0

Table 2: Continued.

Error Po 210 +/- 1 S.D. (DPM/g)	0.1917	0.1675	0.2141	0.1609	0.1824	0.1378	0.1461	0.1124	0.0944	0.0957	0.0787	0.2885	0.1036
Po-210 Error Po Total 210 +/-1 Activity S.D. (DPM/g) (DPM/g) (salt	9.8282	8.9510	8.5300	7.5191	6.0742	4.8268	3.6600	2.7424	2.0260	1.6172	1.5210	8.5081	3.2049
Spike Activity (DPM/ ml)	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.92	19.94
Spike Size (ml)	0.5082	0.5082	0.5082	0.5082	0.5082	0.5082	0.5082	0.5082	0.5082	0.5082	0.5082	0.4985	0.5082
Count Time (sec)	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
Po-210 Detector Po-210 Weight of Weight of Counts Po-210 Weight of Weight of Counts Po-210 Weight of Weight of Counts Po-210 Sample Sa	1.137	1.282	1.148	1.175	1.188	1.152	1.215	1.165	1.138	1.116	1.157	1.112	1.189
Weight of Sample Counted (g)	1.240	1.365	1.262	1.278	1.300	1.268	1.326	1.274	1.242	1.215	1.257	1.222	1.298
Po-210 counts less detector back- ground	2675.39	2901.66	1621.84	2227.77	1142.76	1264.93	686.24	633.65	502.15	320.31	412.99	899.26	998.50
Detector Po-210 Back- Ground Counts	6	8	7	9	7	2	23	8	6	8	7	6	2
Po-210	2715	2942	1650	2266	1170	1299	729	299	239	351	450	921	1037
Po-209 counts less detector back- ground	2426	2563	1677	2554	1604	2304	1566	2009	2207	1798	2378	944	2655
Detector Po-209 c Back- Ground Counts	25	23	19	16	21	17	22	2	25	23	19	25	17
Po-209 counts	2451	2586	1696	2570	1625	2321	1588	2016	2232	1821	2397	696	2672
Plot-point of cumulative mass in current section (q/cm2)	2.90	3.61	4.30	4.92	5.55	6.58	8.09	9.64	11.20	12.79	14.43	4.30	8.09
Cumulative Mass to Bottom of Current Section (g/cm2)	3.21	4.00	4.59	5.24	5.86	7.31	8.87	10.41	11.98	13.61	15.24	4.59	8.87
Mass in Cumulative Plot-point extrapolated Mass to of section Bottom of cumulative (g/cm2) Section Current Section (g/cm2) section (g/cm2) section (g/cm2) section	0.63	0.79	0.59	0.65	0.61	1.45	1.56	1.54	1.57	1.62	1.64	0.59	1.56
Dry Wt./ Wet cc. (g/cm3) (33 ppt corrected)	0.31	0.40	0.29	0.33	0.31	0.29	0.31	0.31	0.31	0.32	0.33	0.29	0.31
	1.68	2.08	1.59	1.75	1.65	1.57	1.68	1.66	1.69	1.74	1.75	1.59	1.68
Weight of wet sample (g)	5.92	5.92	5.92	00'9	5.95	2.90	96'9	96'9	5.98	6.03	5.98	5.92	96'9
Volume of wet sample (ml)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Extrapolated Lower Section Deptt (cm)	12	14	16	18	20	25	30	32	40	45	20	16	30
Lower Extrapolated Extrapolated Volume Weight of Weight of Depth Upper Lower of wet wet dry Section Depth Section Depth sample sample sample (cm) (cm) (g) (g)	10	12	14	16	18	20	25	30	32	40	45	14	25
	12	14	16	18	20	25	30	35	40	45	20	16	30
Upper Depth	10	12	14	16	18	20	25	30	32	40	45	14	25
Core Depth (cm)	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-45	45-50	14-16 Duplicate	25-30 Duplicate

1	_		_	_	L.,	L.	_	_	Π	Π	_			_	_							_	
	0.3038	0.2420	0.3034	0.2424	0.2453	0.2234	0.2558	0.2344	0.2531	0.1947	0.1674	0.2123	0.1443	0.1768	0.140	0.124	960'0	0.0946	0.0917	0.1126	0.2247	0.1883	0.1272
	13.8917	13.2127	13.8059	14.0076	12.1040	10.8115	10.3945	9.3084	8.6106	7.7190	6.6471	5.4041	5.1813	2.6367	5.1768	3.2037	2.2922	2.1508	1.9055	3.4549	9.4820	5.6166	3.5785
	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.94	19.93	19.93	19.93	19.93	19.93	19.93	19.92	19.93	19.92
	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.5113	0.4985	0.5113	0.4985
	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
	0.985	0.975	1.036	1.071	1.015	1.095	1.056	1.027	1.081	1.100	1.070	0.931	1.135	1.100	1.122	1.151	1.113	1.146	1.126	1.211	1.226	0.740	0.911
	1.103	1.082	1.141	1.178	1.120	1.202	1.153	1.117	1.180	1.197	1.165	1.008	1.239	1.191	1.218	1.250	1.209	1.238	1.219	1.286	1.334	0.801	0.967
	2121.06	3055.11	2104.83	3386.58	2476.74	2380.80	1683.03	1612.03	1191.32	1622.11	1619.34	676.49	1330.52	1047.01	1433.83	700.26	621.27	558.49	470.44	981.46	1817.05	932.71	836.59
	2	23	8	6	8	7	9		6	8		9		2	23	8	6	8		9	8	8	7
	2146	3109	2132	3425	2511	2414	1709	1641	1217	1655	1656	200	1367	1074	1489	733	662	969	909	1018	1846	026	878
	1580	2417	1500	2302	2055	2050	1563	1719	1305	1948	2321	1370	2307	1721	2517	1936	2483	2309	2235	2390	1552	2287	2549
	17	22	7	25	23	19	16	21	25	23	19	16	21	17	22	7	25	23	19	16	23	7	19
	1597	2439	1507	2327	2078	2069	1579	1740	1330	1971	2340	1386	2328	1738	2539	1943	2508	2332	2254	2406	1575	2294	2568
	0.37	0.63	06'0	1.19	1.48	1.76	2.07	2.39	2.71	3.19	3.83	4.50	5.16	5.81	66'9	8.64	10.29	12.01	13.75	15.70	2.39	4.50	15.70
	0.49	92.0	1.05	1.33	1.62	1.91	2.22	2.55	2.86	3.51	4.15	4.84	5.47	6.16	7.81	9.46	11.12	12.89	14.61	16.80	2.55	4.84	16.80
	0.49	0.27	0.29	0.29	0.28	0.30	0.31	0.33	0.31	0.64	0.64	69.0	0.63	69.0	1.65	1.65	1.66	1.77	1.72	2.19	0.33	69.0	2.19
	0.25	0.27	0.29	0.29	0.28	0.30	0.31	0.33	0.31	0.32	0.32	0.34	0.31	0.35	0.33	0.33	0.33	0.35	0.34	0.44	0.33	0.34	0.44
	1.36	1.46	1.56	1.57	1.53	1.60	1.68	1.75	1.68	1.73	1.73	1.83	1.68	1.84	1.77	1.76	1.78	1.88	1.83	2.29	1.75	1.83	2.29
	5.75	5.81	5.91	5.89	5.88	5.91	2.97	6.03	2.97	5.99	6.01	90.9	5.98	6.10	6.01	6.01	6.07	6.10	6.07	6.31	6.03	90.9	6.31
	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	32	40	45	20	6	16	20
	0	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	45	8	14	45
	2	3	4	2	9		8	6	10	12	14	16	18	20	25	30	35	40	45	20	6	16	20
	-	2	3	4	2	9		8	6	10	12	14	16	18	20	25	30	35	40	45	8	14	45
Core 12	1-2	2-3	3-4	4-5	2-6	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-45	45-50	8-9 Duplicate	14-16 Duplicate	45-50 Duplicate

_	က	3	9	6	9		2	0	3	3	2	8		3	4	9	3	٥
0.251	0.244	0.334	0.234	0.228	0.232	0.204	0.208	0.158	0.155	0.181	0.143	0.193	0.147	0.212	0.205	0.169	0.134	02020
15.3232	14.9645	13.7356	12.9857	12.8343	12.1571	10.2753	9.0517	7.7288	6.2607	5.6645	5.2099	5.4997	5.1468	5.4168	10.1414	5.8855	5.4409	10 1640
19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	1992
0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.5046	0.4985
00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
1.101	1.090	1.116	1.163	1.127	1.167	1.162	1.126	1.116	1.105	1.133	1.140	1.162	1.125	1.214	1.147	1.164	1.237	1 0.35
1.206	1.185	1.217	1.277	1.227	1.256	1.249	1.212	1.200	1.184	1.201	1.218	1.230	1.199	1.293	1.216	1.234	1.317	1 097
3769.22	3796.01	1714.59	3104.52	3180.67	2800.57	2563.35	1931.59	2444.49	1668.92	1007.77	1365.38	831.25	1284.42	1392.72	2482.52	1240.67	1683.77	2447 80
8	7	9	7	2	23	8	6	8	7	9	7	2	23	8	6	7	9	9
3806	3833	1735	3138	3214	2849	5288	1965	2489	1707	1034	1402	853	1336	1428	2519	1271	1722	2485
2247	2342	1125	2068	2212	1986	2159	1906	2851	2427	1580	2313	1308	2232	2130	2146	1822	2517	2311
23.00	19.00	16.00	21.00	17	22	7	25	23	19	16	21	17	22	7	25	19	16	16
2270.0	2361.0	1141.0	2089.0	2229	2008	2166	1931	2874	2446	1596	2334	1325	2254	2137	2171	1841	2533	2327
0.68	66.0	1.31	1.62	1.93	2.27	2.64	3.02	3.58	4.34	5.18	6.03	689	8.40	10.50	12.68	5.18	10.50	12.68
0.83	1.15	1.47	1.77	2.09	2.46	2.83	3.20	3.95	4.73	5.62	6.43	7.35	9.44	11.55	13.81	5.62	11.55	13.81
0.30	0.33	0.32	0:30	0.32	0.37	0.37	0.37	0.75	0.78	0.89	0.81	0.92	2.09	2.11	2.26	68.0	2.11	966
0.30	0.33	0.32	0:30	0.32	0.37	0.37	0.37	0.38	0.39	0.45	0.40	0.46	0.42	0.42	0.45	0.45	0.42	0.45
1.64	1.74	1.70	1.60	1.73	1.95	1.98	1.96	1.99	2.05	2.34	2.13	2.40	2.19	2.21	2.36	2.34	2.21	2.36
5.94	00.9	2.97	5.93	6.01	6.16	6.15	6.15	6.21	6.20	6.37	6.26	6.41	6.32	6.30	6.40	6.37	6.30	6 40
4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4 92
3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	16	30	35
2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	14	25	30
3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	16	30	35
2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	14	25	30
2-3	34	4-5	2-6	2-9	2-8	6-8	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	4-16 Duplicate	25-30 Duplicate	30-35 Duplicate
	2 3 2 3 4.92 5.94 1.64 0.30 0.30 0.88 2270.0 23.00 2247 3806 8 3769.22 1.206 1.101 60000 0.5046 1993	2 3 2 3 4 3 4 4.92 6.94 1.64 0.33 0.33 1.15 0.99 2.261.0 19.00 2.34 3833 7 3.796.01 1.185 1.090 6.000 0.5046 19.93 15.323 14 3 4 4.92 6.00 1.74 0.33 0.33 1.15 0.99 2.361.0 19.00 2.342 3.833 7 3.796.01 1.185 1.090 6.000 0.5046 19.93 14.9945	2 3 2 3 2 4 4 5 5 4 5 5 4 5 5 5 5 5 6 7 7 7 7 3 7 7 5 5 7 7 7 7 7 13 1 14 10 16.00 1755 6 7 7 7 5 6 7 7 7 5 6 7 7 7 7 7 13 1 14 10 16.00 1755 6 7 7 7 7 7 13 1 14 10 16.00 1755 6 7 7 7 7 7 13 1 14 10 16.00 1755 6 7 7 7 7 7 7 13 1 14 10 16.00 1755 6 7 7 7 7 7 7 7 13 1 14 10 16.00 1755 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 3 2 3 4.92 5.94 1.64 0.30 0.68 0.68 2270.0 23.00 2247 3806 8 3769.22 1.01 60000 0.5046 19.33 16.5323 3 4 5 4 5 6.00 1.74 0.33 0.33 1.15 0.99 2247.0 18.00 7 7766.01 1.185 1.09 60000 0.5046 19.93 14.35645 4 5 4 5 5.97 1.70 1.70 1.141 11.00 11.25 1.175 1.175 1.09 8.00 1.217 1.116 6.00 1.204 1.933 1.37566 1	2 3 4 4 5 5 6 6 7 7 7 8 6 7 7 7 8 6 7	2 3 2 3 4.92 6.54 1.64 0.30 0.83 0.68 2270.0 2240 380.6 8 3769.22 1.01 60000 0.5046 1933 1.523.2 4 5 4 5 6 6 6 6 7 1.7 1.03 1.04 1.00 1.15 1.06 1.01 600 1.00 0.5046 1.90 1.223.2 1.73 1.04 1.01 0.00 1.00 1.01 1.00 1.10 0.00 1.00 0.00 0.00 1.00 1.00 1.12 1.14 0.00 0.00 0.00 0.00 0.00 1.00 1.00 1.14 0.00 <td>2 3 2 3 4.92 5.94 1.64 0.30 0.83 0.68 2270.0 23.0 2247 380 8 3769.22 1.01 60000 0.5046 19.33 1.55320 4 4 4 4 4.92 6.00 17.4 0.33 1.15 0.99 2240.0 33.2 7 37840 1.185 1.00 6.00 0.5046 19.93 14.945 1.185 1.00 0.5046 19.00 13.2867 1.3267 1.3267 1.3267 1.3267 1.327 1.316 6.0000 0.5046 19.93 1.32867 1.3267 1.3267 1.327 1.3145 1.327 1.3145 1.3267 1.3267 1.3267 1.3267 1.3267 1.3267 1.327</td> <td>2 3 2 3 482 544 164 030 033 068 22700 230 2247 360 8 376922 1206 1101 6000 05046 1933 15323 4 5 4 4 2 600 174 033 117 114 115 100 1176 1178 1178 100 100 1178 1178 1178 100 100 1178 1178 1178 100 100 1178 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100</td> <td>2 3 2 3 4 8 4 8 7 6 6 6 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 9 1 1 1 9 1</td> <td>2 3 2 3 482 644 164 030 038 068 22700 230 2270 22700 230 678 22700 230 678 27 16 100 100 05046 1830 1630 18</td> <td>2 3 2 3 482 564 164 0.30 0.63 0.68 22700 230 2247 380 8 3769.2 1.00 1.00 0.5046 1930 15.232 4 5 4 4 2 6.00 1.74 0.33 1.15 1.00 1.00 0.5046 1.16 1.00 0.5046 1.94 5 6 6 4 2.2 5.9 1.77 1.14 1.10 1.00 1.17 1.10 0.00 0.5046 1.93 1.14 0.00 0.5046 1.93 1.22 1.14 0.00 0.5046 1.93 1.22</td> <td>2 3 4 8 6 6 6 6 7 7 8 8 7 9 9 1 6 9 0 3 0 8 2 3 9 8 3 6 6 6 1 1 6 1 2 3 2 2 2 1 2 3 2 2 2 1 2 3 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4</td> <td>2 3 4 4 5 6 6 6 6 7 7 8 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 9 8 7 7 8 9 8 1 2 2 1</td> <td>2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 6 7 7 8 7 3 9 7 3 9 7 1 2 2 2 1 1 2 2 1 2 3 1 1 1 1 2 3 4 3 3 4 3 4 3 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4</td> <td>2 3 4 4 5 4 6 6 6 6 7 7 8 6 6 6 7 7 8 6 6 7 7 8 7 3 7 7 8 7 3 7 3 7 7 1 2 2 4 3 4 4 3 4 4 3 3 4 4 3 3 4 4 3 4 4 3 4</td> <td>2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 6 7 7 7 7 6 7 7 7 7 7 6 7 7 7 7 7 6 7 8 9 8 9 8 9 9 8 9 9 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 10 10 10 10 10</td> <td>2 3 4 4 5 4 1 6 0 0 0 0 2270 1 3 9 6 1</td> <td>2 3 4 5 4 5 4 2 3 4 2 3 4 2 3 4 2 3 4 2 3 4 3 4 4 4 2 6 7 7 14 14 6 19 0 14</td>	2 3 2 3 4.92 5.94 1.64 0.30 0.83 0.68 2270.0 23.0 2247 380 8 3769.22 1.01 60000 0.5046 19.33 1.55320 4 4 4 4 4.92 6.00 17.4 0.33 1.15 0.99 2240.0 33.2 7 37840 1.185 1.00 6.00 0.5046 19.93 14.945 1.185 1.00 0.5046 19.00 13.2867 1.3267 1.3267 1.3267 1.3267 1.327 1.316 6.0000 0.5046 19.93 1.32867 1.3267 1.3267 1.327 1.3145 1.327 1.3145 1.3267 1.3267 1.3267 1.3267 1.3267 1.3267 1.327	2 3 2 3 482 544 164 030 033 068 22700 230 2247 360 8 376922 1206 1101 6000 05046 1933 15323 4 5 4 4 2 600 174 033 117 114 115 100 1176 1178 1178 100 100 1178 1178 1178 100 100 1178 1178 1178 100 100 1178 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 1178 1178 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	2 3 2 3 4 8 4 8 7 6 6 6 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 9 1 1 1 9 1	2 3 2 3 482 644 164 030 038 068 22700 230 2270 22700 230 678 22700 230 678 27 16 100 100 05046 1830 1630 18	2 3 2 3 482 564 164 0.30 0.63 0.68 22700 230 2247 380 8 3769.2 1.00 1.00 0.5046 1930 15.232 4 5 4 4 2 6.00 1.74 0.33 1.15 1.00 1.00 0.5046 1.16 1.00 0.5046 1.94 5 6 6 4 2.2 5.9 1.77 1.14 1.10 1.00 1.17 1.10 0.00 0.5046 1.93 1.14 0.00 0.5046 1.93 1.22 1.14 0.00 0.5046 1.93 1.22	2 3 4 8 6 6 6 6 7 7 8 8 7 9 9 1 6 9 0 3 0 8 2 3 9 8 3 6 6 6 1 1 6 1 2 3 2 2 2 1 2 3 2 2 2 1 2 3 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4	2 3 4 4 5 6 6 6 6 7 7 8 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 9 8 7 7 8 9 8 1 2 2 1	2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 6 7 7 8 7 3 9 7 3 9 7 1 2 2 2 1 1 2 2 1 2 3 1 1 1 1 2 3 4 3 3 4 3 4 3 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 3 4 4 5 4 6 6 6 6 7 7 8 6 6 6 7 7 8 6 6 7 7 8 7 3 7 7 8 7 3 7 3 7 7 1 2 2 4 3 4 4 3 4 4 3 3 4 4 3 3 4 4 3 4 4 3 4	2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 6 7 7 7 7 6 7 7 7 7 7 6 7 7 7 7 7 6 7 8 9 8 9 8 9 9 8 9 9 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 10 10 10 10 10	2 3 4 4 5 4 1 6 0 0 0 0 2270 1 3 9 6 1	2 3 4 5 4 5 4 2 3 4 2 3 4 2 3 4 2 3 4 2 3 4 3 4 4 4 2 6 7 7 14 14 6 19 0 14

-rror Do	210 +/- 1 S.D.	(DPM/g)	0.2117	0.2611	0.2257	0.1942	0.1948	0.2298	0.1868	0.1936	0.2354	0.1595	0.1638	0.1915	0.1344	0.1415	0.0863	0.1999	0.2295	0.1668	0.1009
		(DPM/g) (salt corrected)	10.0414	9.9410	10.6400	10.0616	8.7610	8.1198	8.4485	8.2936	7.3207	5.7073	4.4002	3.4597	3.0760	2.7055	1.9678	3.3702	8.3913	5.7442	3.2018
_	Activity		19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.92
Н	Size (m)		0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.5012	0.4985
Count	Time		00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009		00009	00009		00009	00009
Weight of	Sample Counted-	Salt (g)	1.135	1.141	1.171	1.164	1.156	1.208	1.170	1.196	1.168	1.154	1.209	1.176	1.175	1.195	1.220	1.183	1.235	1.190	1.330
Weight of	Sample Counted	(B)	1.210	1.211	1.240	1.230	1.217	1.273	1.234	1.242	1.230	1.206	1.268	1.233	1.234	1.253	1.273	1.228	1.282	1.244	1.381
Po-210	counts	detector back- ground	2292.54	1485.12	2263.20	2729.16	2062.20	1279.19	2083.21	1904.78	90'866	1324.52	751.70	350.24	553.10	421.20	564.86	310.36	1366.00	1222.57	1052.85
Detector		Ground	8	6	8	4	9	4	9	23	8	6	9	4	9	23	8	6	9	4	
Po-210	counts		2328	1512	2296	2768	2096	1304	2117	1954	1022	1361	222	369	629	462	909	330	1390	1254	1093
PO-209	counts less	back- ground	2009	1308	1814	2329	2034	1303	2106	1918	1166	2010	1412	098	1529	1302	2351	8//	1317	1787	2456
Detector	Po-209 Back-	Ground	7	25	23	19	16	21	17	22		25	16	21	17	22		25	16	21	21
PO-209			2016	1333	1837	2348	2050	1324	2123	1940	1173	2035	1428	881	1546	1324	2358	803	1333	1808	2477
Plot-noint	of cumulative	mass in current section (q/cm2)	1.43	1.86	2.31	2.78	3.27	3.77	4.26	5.14	673	7.35	8.45	9.52	11.36	14.01	16.80	19.88	5.14	7.35	19.88
Cumulative Plot-noint	Mass to Bottom of	Current Section (g/cm2)	1.64	2.08	2.55	3.02	3.52	4.01	4.50	62'5	62'9	7.92	86.8	10.05	12.67	15.34	18.26	21.51	62'5	7.92	21.51
Macc in	extrapolated section	(g/cm2)	0.42	0.45	0.46	0.47	0.50	0.49	0.49	1.29	1.00	1.13	1.07	1.07	2.62	2.67	2.92	3.24	1.29	1.13	3.24
/ W / \	Wet cc.	(33 ppt corrected)	0.42	0.45	0.46	74.0	0.50	0.49	0.49	0.64	0.50	99.0	0.53	0.54	0.52	0.53	0.58	0.65	0.64	99.0	0.65
Weight of	dry	(B)	2.21	2.33	2.42	2.45	2.61	2.57	2.53	3.30	2.60	2.90	2.75	2.77	2.71	2.76	3.00	3.32	3.30	2.90	3.32
Weight	weight o	(B)	6.34	6.41	6.48	6.45	6.55	6.54	6.52	6.97	6.55	6.72	9.65	6.64	6.64	99.9	08'9	7.04	6.97	6.72	7.04
Volume	of wet	Ē	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Extranolated	Lower Section Dentit	(cm)	4	2	9	7	8	6	10	12	14	16	18	20	25	30	32	40	12	16	40
Extrapolated Extrapolated Volume Weight of Weight of	Extraporated Upper Lower Section Depth Section Dept	(cm)	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	10	14	35
ower			4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	12	16	40
Ilnner	Depth		3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	10	14	35
Core Denth (cm)	_		34	4-5	2-6	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	10-12 Duplicate	14-16 Duplicate	35-40 Duplicate

020 0.2107	0.2193	0.3109	0.2889	0.2123	0.2031	0.2245	0.2370	709	126	147	390	37.	431	52	0.2092	0.2272	0.2538	0.1883
020			Ĺ	0	0	0.2	0.2	0.260	0.2126	0.2147	3906.0	0.197	0.4431	0.225	0.2	0.2	0.2	0.1
11.9020	12.1806	12.7961	13.4792	12.9026	12.9938	12.4326	13.0218	12.9213	12.2848	11.7246	11.5224	11.6638	10.2963	11.2734	9.8826	13.0519	13.2639	10.8390
19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.93	19.92
0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.5002	0.4985
00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
1.169	1.162	1.166	1.181	1.161	1.204	1.164	1.180	1.207	1.178	1.199	1.209	1.193	1.187	1.220	1.226	1.239	1.209	1.325
1.229	1.218	1.219	1.233	1.206	1.248	1.209	1.222	1.246	1.207	1.235	1.246	1.231	1.225	1.253	1.258	1.295	1.256	1.367
3233.33	3157.70	1724.34	2212.36	2809.20	4141.42	3105.78	3056.75	2491.73	3414.07	3025.70	1443.85	3528.83	559.20	2535.61	2268.25	3370.56	2768.10	3354.68
2	23	8	6	8	4	9	4	2	23	8	6	8	4	9	4	23	8	2
3270	3209	1747	2239	2841	4182	3139	3089	2517	3467	3061	1466	3569	572	2565	5299	3420	2798	3391
2317	2224	1152	1386	1870	2639	2139	1984	1593	2352	2145	1033	2528	456	1838	1866	2078	1721	2320
17.00	22.00	7	25.00	23	19.00	16.00	21.00	17.00	22.00	7.00	25.00	23.00	19	16	21	22	7	17
2334.0	2246.0	1159	1411.0	1893	2658.0	2155.0	2005.0	1610.0	2374.0	2152.0	1058.0	2551.0	475	1854	1887	2100	1728	2337
0.77	1.30	1.86	2.43	3.04	3.69	4.35	5.01	5.72	96.9	8.62	10.16	11.67	13.16	15.98	20.18	1.86	3.04	13.16
1.03	1.58	2.14	2.72	3.36	4.03	4.67	5.35	60.9	7.84	9.40	10.93	12.42	13.90	18.06	22.31	2.14	3.36	13.90
1.03	0.54	0.57	0.58	0.63	29.0	0.65	0.68	0.73	1.76	1.56	1.53	1.49	1.49	4.16	4.25	0.57	0.63	1.49
0.52	0.54	0.57	0.58	0.63	29.0	0.65	89.0	0.73	0.88	0.78	0.77	0.74	0.74	0.83	0.85	0.57	0.63	0.74
2.67	2.80	2.93	2.97	3.25	3.43	3.30	3.47	3.73	4.43	3.94	3.89	3.78	3.78	4.20	4.29	2.93	3.25	3.78
6.63	69.9	6.78	6.79	6.93	7.08	7.00	7.11	7.27	99.7	7.38	7.35	7.30	7.29	7.56	7.57	6.78	6.93	7.29
4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	4	9	20
0	2	3	4	2	9		8	6	10	12	14	16	18	20	25	3	2	18
2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	4	9	20
1	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	3	2	18
1-2	2-3	3-4	4-5	2-6	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	3-4 Duplicate	5-6 Duplicate	18-20 Duplicate
	6.63 2.67 0.52 1.03 1.03 0.77 2.334,0 17.00 2.317 3.270 5 3.233.33 1.229 1.169 6.0000 0.5002	1 2 0 2 4.92 6.63 2.67 0.52 1.03 0.77 2334.0 17.00 2317 3270 5 3233.33 1.229 1.169 600000 0.5002 2 3 3 3 4.92 6.69 2.80 0.54 1.36 1.30 22.46.0 22.24 32.24 3209 23 3157.70 1.218 1.162 60000 0.5002	1 2 0 2 4.92 6.63 2.67 0.54 1.53 2.234.0 7.00 2317 3370 5 3.23.3 1.289 1.169 60000 0.5002 2 3 4 4.92 6.69 2.80 0.54 1.58 1.16 3.200 2.224 3.29 2.224 1.162 1.17 8 1.162 1.11	1 2 0 2 4.92 6.63 2.67 0.52 1.03 0.77 2.34.0 17.00 2317 3370 5 3233.33 1.229 1.169 60000 0.5002 2 3 4 3 4 4.92 6.63 2.80 0.54 0.54 1.58 1.30 22.0 22.04 32.0 22.0 23.0 1.71 1.72 1.71 1.72 1.72 1.72 <t< th=""><th>1 2 0 0 2 492 669 287 0 0 55 2 100 0 103 0 77 22340 170 2317 8 270 5 3233 1 229 1 109 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th><th>1 2 0 2 4.92 6.65 2.67 0.54 1.56 0.77 2234.0 237.0 5 327.0 5 327.0 5 327.0 5 327.0 1.78 1.74 1.78 1.74 1.78 1.74</th><th> 1 2 0 0 2 492 683 267 0 0 2 492 683 2 67 0 2 169 1 1 2 0 0 2 2 2 2 2 2 2</th><th>1 2 0 2 492 663 267 0.54 1.70 2317 370 5 3230 1.166 0.00 0.000<th>1 2 0 2 4.92 6.63 2.67 1.03 0.77 2334.0 77.00 2317 3270 5 3220 1.09 1.05 1.03 0.77 2334.0 1.70 2317 316770 1.18 1.169 60000 0.5002 2 3 4 3 4 4 9.2 6.59 2.34 1.58 1.16 7 2.246 2.20 2.24 1.41 8 1.74 8 1.743 1.18 1.16 6.00 0.5002 4 5 4 5 6 6 6 7 2.14 1.86 1.4110 2.50 1.29 1.8000 0.5002 1.800 1.80</th><th>1 2 0 2 482 663 267 052 170 2240 2317 2370 5 3230 178 178 170 2317 237 5 3233 1229 170 2317 171 171 170 2317 231 173 171 171 171 170 237 234 370 121 171 170 237 234 370 121 171 170 237 234 171 224 370 121 171 172 174 8 1723 1219 1716 6000 65002 4 5 4 2 6 4 2 239 0.57 2.14 186 175 174 8 178 178 6000 0.5002 6 6 5 3 2 6 6 2 2.14 186 178 2 2 178 178 178 178 <</th><th>1 2 0 2 4.82 6.63 2.67 0.54 1.70 2314 2.70 5.317 1.10 1.10 1.03 0.77 2.344 2.70 2.37 1.10 1.10 0.00 0.5002 3 4 3 4 4.82 6.78 2.89 0.54 0.54 1.16 7 1.24 2.0 2.4 1.16 1.00 2.0 1.14 8 1.74 8 1.74 1.18 1.14 8 1.00 1.00 1.00 1.00 2.0 2.0 2.4 1.16 1.00 2.0 2.0 2.2 2.2 2.0 1.24 1.16 1.0 1.0 2.14 1.16 2.0 1.24 1.16 1.0 1.0 1.0 1.0 1.0 2.14 1.16 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0</th><th>1 2 0 2 492 663 267 0.52 170 2310 2317 2370 5 3230 176 170 2317 2370 5 3233 1229 170 2317 171 2317 171 171 170 2317 230 2 170 2317 171</th><th>1 2 0 2 492 663 267 0.54 170 2317 237 5 3230 170 170 2317 237 5 3230 170 170 2317 237 171 171 170 200 0500</th><th>1 2 0 2 492 663 267 0.54 170 2317 317 217 1162 0.00 0.5002 3 4 2 4.92 6.63 2.80 0.54 1.63 1.03 0.77 2246.0 2.20 2.27 1.69 1.70 2317 2.71 1.21 1.17 1.12 1.17 1.12 1.16 1.00 0.00 0.5002</th><th>1 2 0 2 492 663 267 052 103 077 22460 2317 2370 5 3230 128 1169 6000 65000</th><th>1 2 0 2 482 663 267 0.54 170 2314 217 6 2314 217 2340 2317 2340 170 2314 237 5 2233 1229 173 118 118 118 118 118 118 118 118 100 5000</th><th>1 2 0 2 492 663 267 0.54 170 2317 2317 2370 5 3230 176 0.54 170 2317 217 171 170 2317 2370 5 3233 1229 172 171 171 171 270 220 220 220 0.54 172 171 217 171 171 171 172 317 171 171 170 237 271 271 171 270 171 271<th>1 2 0 2 4 92 6 69 2 67 6 57 1 70 2317 3 70 5 3 20 3 20 6 69 2 69 2 69 0 64 1 69 1 69 1 60 1 70 2317 3 20 2 2 2 3 20 3 2 2 2 4 89 6 69 2 80 0 64 1 68 1 60 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 21 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 2 20 2 20 2 24 <t< th=""></t<></th></th></th></t<>	1 2 0 0 2 492 669 287 0 0 55 2 100 0 103 0 77 22340 170 2317 8 270 5 3233 1 229 1 109 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 0 2 4.92 6.65 2.67 0.54 1.56 0.77 2234.0 237.0 5 327.0 5 327.0 5 327.0 5 327.0 1.78 1.74 1.78 1.74 1.78 1.74	1 2 0 0 2 492 683 267 0 0 2 492 683 2 67 0 2 169 1 1 2 0 0 2 2 2 2 2 2 2	1 2 0 2 492 663 267 0.54 1.70 2317 370 5 3230 1.166 0.00 0.000 <th>1 2 0 2 4.92 6.63 2.67 1.03 0.77 2334.0 77.00 2317 3270 5 3220 1.09 1.05 1.03 0.77 2334.0 1.70 2317 316770 1.18 1.169 60000 0.5002 2 3 4 3 4 4 9.2 6.59 2.34 1.58 1.16 7 2.246 2.20 2.24 1.41 8 1.74 8 1.743 1.18 1.16 6.00 0.5002 4 5 4 5 6 6 6 7 2.14 1.86 1.4110 2.50 1.29 1.8000 0.5002 1.800 1.80</th> <th>1 2 0 2 482 663 267 052 170 2240 2317 2370 5 3230 178 178 170 2317 237 5 3233 1229 170 2317 171 171 170 2317 231 173 171 171 171 170 237 234 370 121 171 170 237 234 370 121 171 170 237 234 171 224 370 121 171 172 174 8 1723 1219 1716 6000 65002 4 5 4 2 6 4 2 239 0.57 2.14 186 175 174 8 178 178 6000 0.5002 6 6 5 3 2 6 6 2 2.14 186 178 2 2 178 178 178 178 <</th> <th>1 2 0 2 4.82 6.63 2.67 0.54 1.70 2314 2.70 5.317 1.10 1.10 1.03 0.77 2.344 2.70 2.37 1.10 1.10 0.00 0.5002 3 4 3 4 4.82 6.78 2.89 0.54 0.54 1.16 7 1.24 2.0 2.4 1.16 1.00 2.0 1.14 8 1.74 8 1.74 1.18 1.14 8 1.00 1.00 1.00 1.00 2.0 2.0 2.4 1.16 1.00 2.0 2.0 2.2 2.2 2.0 1.24 1.16 1.0 1.0 2.14 1.16 2.0 1.24 1.16 1.0 1.0 1.0 1.0 1.0 2.14 1.16 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0</th> <th>1 2 0 2 492 663 267 0.52 170 2310 2317 2370 5 3230 176 170 2317 2370 5 3233 1229 170 2317 171 2317 171 171 170 2317 230 2 170 2317 171</th> <th>1 2 0 2 492 663 267 0.54 170 2317 237 5 3230 170 170 2317 237 5 3230 170 170 2317 237 171 171 170 200 0500</th> <th>1 2 0 2 492 663 267 0.54 170 2317 317 217 1162 0.00 0.5002 3 4 2 4.92 6.63 2.80 0.54 1.63 1.03 0.77 2246.0 2.20 2.27 1.69 1.70 2317 2.71 1.21 1.17 1.12 1.17 1.12 1.16 1.00 0.00 0.5002</th> <th>1 2 0 2 492 663 267 052 103 077 22460 2317 2370 5 3230 128 1169 6000 65000</th> <th>1 2 0 2 482 663 267 0.54 170 2314 217 6 2314 217 2340 2317 2340 170 2314 237 5 2233 1229 173 118 118 118 118 118 118 118 118 100 5000</th> <th>1 2 0 2 492 663 267 0.54 170 2317 2317 2370 5 3230 176 0.54 170 2317 217 171 170 2317 2370 5 3233 1229 172 171 171 171 270 220 220 220 0.54 172 171 217 171 171 171 172 317 171 171 170 237 271 271 171 270 171 271<th>1 2 0 2 4 92 6 69 2 67 6 57 1 70 2317 3 70 5 3 20 3 20 6 69 2 69 2 69 0 64 1 69 1 69 1 60 1 70 2317 3 20 2 2 2 3 20 3 2 2 2 4 89 6 69 2 80 0 64 1 68 1 60 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 21 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 2 20 2 20 2 24 <t< th=""></t<></th></th>	1 2 0 2 4.92 6.63 2.67 1.03 0.77 2334.0 77.00 2317 3270 5 3220 1.09 1.05 1.03 0.77 2334.0 1.70 2317 316770 1.18 1.169 60000 0.5002 2 3 4 3 4 4 9.2 6.59 2.34 1.58 1.16 7 2.246 2.20 2.24 1.41 8 1.74 8 1.743 1.18 1.16 6.00 0.5002 4 5 4 5 6 6 6 7 2.14 1.86 1.4110 2.50 1.29 1.8000 0.5002 1.800 1.80	1 2 0 2 482 663 267 052 170 2240 2317 2370 5 3230 178 178 170 2317 237 5 3233 1229 170 2317 171 171 170 2317 231 173 171 171 171 170 237 234 370 121 171 170 237 234 370 121 171 170 237 234 171 224 370 121 171 172 174 8 1723 1219 1716 6000 65002 4 5 4 2 6 4 2 239 0.57 2.14 186 175 174 8 178 178 6000 0.5002 6 6 5 3 2 6 6 2 2.14 186 178 2 2 178 178 178 178 <	1 2 0 2 4.82 6.63 2.67 0.54 1.70 2314 2.70 5.317 1.10 1.10 1.03 0.77 2.344 2.70 2.37 1.10 1.10 0.00 0.5002 3 4 3 4 4.82 6.78 2.89 0.54 0.54 1.16 7 1.24 2.0 2.4 1.16 1.00 2.0 1.14 8 1.74 8 1.74 1.18 1.14 8 1.00 1.00 1.00 1.00 2.0 2.0 2.4 1.16 1.00 2.0 2.0 2.2 2.2 2.0 1.24 1.16 1.0 1.0 2.14 1.16 2.0 1.24 1.16 1.0 1.0 1.0 1.0 1.0 2.14 1.16 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1 2 0 2 492 663 267 0.52 170 2310 2317 2370 5 3230 176 170 2317 2370 5 3233 1229 170 2317 171 2317 171 171 170 2317 230 2 170 2317 171	1 2 0 2 492 663 267 0.54 170 2317 237 5 3230 170 170 2317 237 5 3230 170 170 2317 237 171 171 170 200 0500	1 2 0 2 492 663 267 0.54 170 2317 317 217 1162 0.00 0.5002 3 4 2 4.92 6.63 2.80 0.54 1.63 1.03 0.77 2246.0 2.20 2.27 1.69 1.70 2317 2.71 1.21 1.17 1.12 1.17 1.12 1.16 1.00 0.00 0.5002	1 2 0 2 492 663 267 052 103 077 22460 2317 2370 5 3230 128 1169 6000 65000	1 2 0 2 482 663 267 0.54 170 2314 217 6 2314 217 2340 2317 2340 170 2314 237 5 2233 1229 173 118 118 118 118 118 118 118 118 100 5000	1 2 0 2 492 663 267 0.54 170 2317 2317 2370 5 3230 176 0.54 170 2317 217 171 170 2317 2370 5 3233 1229 172 171 171 171 270 220 220 220 0.54 172 171 217 171 171 171 172 317 171 171 170 237 271 271 171 270 171 271 <th>1 2 0 2 4 92 6 69 2 67 6 57 1 70 2317 3 70 5 3 20 3 20 6 69 2 69 2 69 0 64 1 69 1 69 1 60 1 70 2317 3 20 2 2 2 3 20 3 2 2 2 4 89 6 69 2 80 0 64 1 68 1 60 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 21 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 2 20 2 20 2 24 <t< th=""></t<></th>	1 2 0 2 4 92 6 69 2 67 6 57 1 70 2317 3 70 5 3 20 3 20 6 69 2 69 2 69 0 64 1 69 1 69 1 60 1 70 2317 3 20 2 2 2 3 20 3 2 2 2 4 89 6 69 2 80 0 64 1 68 1 60 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 21 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 2 20 2 20 2 24 1 60 1 70 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 1 80 2 20 2 20 2 24 2 20 2 20 2 24 <t< th=""></t<>

0.2608	0.2243	0.2361	0.2887	0.2403	0.2707	0.2295	0.3218	0.2143	0.3087	0.2129	0.1970	0.2054	0.1890	0.1829	0.2338
13.6395	13.8327	12.6878	13.0842	14.5016	15.1021	14.7815	13.1758	12.6878	11.7419	11.9169	11.0204	10.7319	10.2167	8.8554	13.1318
19.88	19.87	19.88	19.88	19.88	19.88	19.88	19.87	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.87
0.4922	0.4942	0.4922	0.4922	0.4922	0.4922	0.4922	0.4942	0.4922	0.4922	0.4922	0.4922	0.4922	0.4922	0.4922	0.4942
00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
1.191	1.223	1.200	1.194	1.210	1.263	1.240	1.217	1.216	1.199	1.197	1.208	1.222	1.236	1.237	1.222
1.236	1.265	1.238	1.232	1.247	1.295	1.283	1.250	1.249	1.231	1.229	1.242	1.254	1.269	1.266	1.268
2802.14	3847.59	2928.63	2086.08	3680.42	3146.10	4190.03	1705.25	3577.62	1475.72	3175.79	3174.78	2768.26	2962.28	2385.39	3224.01
23	8	8	8	9	9		8	23	8	8	8	9	9		23
2847	3885	1967	2111	3713	3173	4226	1727	3630	1497	3212	3213	1082	8667	2420	3273
1688	2233	1882	1307	2053	1614	2237	1044	2269	1026	2179	2334	2065	2295	2132	1973
22	8.00	25.00	23	19	16	21	25	22	7	25	23	19	16	21	22
1710	2241.0	1907.0	1330	2072	1630	2258	1069	2291	1033	2204	2357	2084	2311	2153	1995
66.0	1.67	2.39	3.13	3.89	4.70	5.53	6.34	71.7	8.43	10.10	11.75	13.41	15.12	18.23	66.0
1.31	2.02	2.76	3.51	4.27	5.14	5.92	92.9	7.59	9.26	10.94	12.55	14.27	15.97	20.50	1.31
1.31	0.70	0.75	0.74	92.0	0.87	62.0	0.83	0.84	1.67	1.68	1.61	1.72	1.69	4.54	1.31
99.0	0.70	0.75	0.74	92.0	78.0	62.0	0.83	0.84	0.84	0.84	0.81	98'0	0.85	0.91	99.0
3.36	3.59	3.80	3.78	3.88	4.39	4.01	4.23	4.23	4.23	4.26	4.09	4.35	4.29	4.58	3.36
90'2	7.18	7.31	7.33	7.38	99'2	7.45	7.58	09'2	7.59	7.63	7.50	99'2	7.62	7.82	90'.
4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	2
0	2	3	4	2	9	7	8	6	10	12	14	16	18	20	0
2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	2
1	2	3	4	2	9	7	8	6	10	12	14	16	18	20	1
1-2	2-3	3-4	4-5	9-9	2-9	2-8	6-8	9-10	10-12	12-14	14-16	16-18	18-20	20-25	1-2 Duplicate

Table 2: Continued.

Error Po 210 +/- 1 S.D. (DPM/g)	0.3070	0.2468	0.2578	0.2918	0.2980	0.2709	0.2708	0.2826	0.3740	0.2401	0.3321	0.2375	0.2096	0.2214	0.2132	0.1861	0.2060	0.1494	0.1370	0.1270	0.3160	0.2738
÷.	17.8380	17.1045	16.9753	16.1180	16.8387	16.2692	14.8841	14.7018	15.1388	14.8921	13.6892	13.0687	11.5713	10.4597	9.0603	7.6058	8.2539	5.0971	4.7594	3.7336	17.4345	12.9873
Spike Activity (DPM/ ml)	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.87	19.88	19.88	19.88	19.88	19.87	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.87
Spike Size (ml)	0.4929	0.4929	0.4929	0.4929	0.4929	0.4929	0.4929	0.4929	0.4942	0.4929	0.4929	0.4929	0.4929	0.4942	0.4929	0.4929	0.4929	0.4929	0.4929	0.4929	0.4929	0.4942
Count Time (sec)	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
Weight of Sample Counted- Salt (g)	1.098	1.119	1.125	1.145	1.156	1.170	1.196	1.147	1.143	1.181	1.236	1.143	1.166	1.249	1.178	1.194	1.199	1.174	1.199	1.166	1.132	1.238
Weight of Sample Counted (g)	1.223	1.255	1.248	1.259	1.275	1.272	1.283	1.245	1.239	1.268	1.330	1.239	1.259	1.356	1.269	1.282	1.292	1.268	1.294	1.261	1.270	1.342
Po-210 counts less detector back- ground	3409.00	4849.96	4375.05	3084.88	3225.06	3643.81	3087.08	2742.44	1666.54	3890.04	1725.12	3065.08	3089.07	2265.57	1871.83	1709.21	1641.04	1204.57	1246.40	900.85	3077.29	2281.65
Detector Po-210 Back- Ground Counts	9	- 4	9	- 4	9	- 4	23	8	8	8	- 4	9		9	23	8	8	8	- 4	9	- 4	2
	3437	4889	4410	3113	3252	3675	3132	2771	1687	3926	1745	3097	3125	2294	1917	1741	1670	1238	1281	633	3104	2307
Po-209 counts less detector back- ground	1706	2484	2245	1638	1624	1876	1700	1594	946	2168	666	2010	2243	1703	1719	1845	1625	1972	2140	2028	1528	1393
Detector Po-209 Back- Ground Counts	17	21	17	19	17	21	22	8	23	23	19	17	21	17	22	8	25	23	19	17	21	19
Po-209 counts	1723	2505	2262	1657	1641	1897	1722	1602	696	2191	1018	2027	2264	1720	1741	1853	1650	1995	2159	2045	1549	1412
Plot-point of cumulative mass in current section (g/cm2)	0.39	0.64	68.0	1.17	1.46	1.77	2.13	2.48	2.82	3.37	4.13	4.88	5.62	6.31	7.55	9.42	11.33	13.18	14.97	16.75	0.64	4.88
ive o = = = (i	0.52	92.0	1.03	1.32	1.61	1.93	2.32	2.65	2.99	3.75	4.50	5.26	5.97	6.64	8.47	10.38	12.28	14.07	15.88	17.62	92.0	5.26
Mass in extrapolated section (g/cm2)	0.52	0.24	0.27	0.29	0.28	0.33	0.38	0.33	0.34	0.76	0.75	92.0	0.71	29.0	1.83	1.91	1.91	1.79	1.80	1.75	0.24	92'0
3 (6 ± 6)	0.26	0.24	0.27	0.29	0.28	0.33	0.38	0.33	0.34	0.38	0.37	0.38	0.36	0.33	0.37	0.38	0.38	98.0	98.0	0.35	0.24	0.38
eight of dry sample (g)	1.42	1.35	1.47	1.59	1.55	1.76	2.02	1.79	1.81	2.02	1.99	2.03	1.90	1.78	1.94	2.02	2.03	1.90	1.92	1.86	1.35	2.03
<u>o</u> o	5.81	5.79	28.9	5.95	5.94	6.05	6.20	6.05	80.9	6.22	6.24	6.21	6.14	6.05	6.17	6.24	6.24	6.17	6.18	6.12	5.79	6.21
Volume of wet sample (ml)	4.94	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
Extrapolated Lower Section Depth (cm)	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	45	20	3	16
Extrapolated Volume Upper Lower of wat Section Depth Section Depth sample (cm) (cm)	0	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	35	40	45	2	14
Lower	2	3	4	2	9	7	8	6	10	12	14	16	18	20	25	30	32	40	45	20	3	16
Upper Depth	1	2	3	4	2	9		8	6	10	12	14	16	18	20	25	30	32	40	45	2	14
Core Depth (cm)	1-2	2-3	3-4	4-5	9-9	2-9	7-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-45	45-50	2-3 Duplicate	14-16 Duplicate

0.1400	0.1359	0.1127	0.1394	0.1259	0.1161	0.1016	0.1033	0.0870	0.0739	0.0611	0.0537	0.0818	0.0754	0.0695	0.0967	0.1070	0.2015	0.1220	0.1835
5.2498 0.	5.0417 0.	4.6124 0.	4.5505 0.	3.5827 0.	2.9883 0.	2.8988 0.	2.8605 0.	.9455 0.	0.1888	.2893 0.	.0513 0.	.3242 0.	.6805	.5606 0.	2.1673 0.	2.6367 0.	2.3738 0.	5.3580 0.	2.8359 0.
H	H		-		_	_	-	1	Ĺ	_	1	_	1	1	-	-	-	-	H
19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.87
60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4944	60000 0.4942
F				.695 60															Н
1.560	1.703	1.597	1.687	_	1.790	1.751	1.712	1.757	1.766	3 1.772	1.782	1.794	3 1.688	1.765	1.855	1.857	1.802	1.742	1.706
1.583	8 1.723	9 1.623	1.707	3 1.714	1.810	1.773	1.732	1.778	1.789	3 1.796	1.804	1.817	3 1.708	1.787	1.876	1.882	1.828	1.762	1.730
1439.71	1410.18	1714.49	1126.40	841.43	693.57	849.78	799.31	529.37	286.69	480.36	448.6	290.50	534.13	543.0	531.25	634.57	155.40	1972.21	258.10
9	7	9	23	80	8	8	4	9	4	9	23	8	8	8	4	9	4	8	4
1468	1438	1750	1168	867	718	879	827	222	311	513	205	314	999	9/9	222	259	167	2002	272
1728	1614	2288	1442	1362	1274	1645	1604	1522	1342	5066	2354	1202	1821	1938	1299	1274	357	202	524
17.00	21	11	72	8	52	23	19	4١	12	4١	72	8	52	23	19	41	12	8	21
1745.0	1635	2305	1464	1370	1299	1668	1623	1539	1363	2083	2376	1210	1876	1961	1318	1291	378	2085	545
1.86	3.18	4.61	6.04	7.45	8.91	10.32	11.70	13.09	14.45	15.77	17.09	18.43	19.78	21.15	22.53	23.89	25.17	3.18	25.17
2.48	3.89	5.34	6.74	8.17	9.64	10.99	12.41	13.78	15.12	16.42	17.77	19.09	20.48	21.82	23.24	24.54	25.80	3.89	25.80
2.48	1.40	1.46	1.40	1.43	1.48	1.35	1.41	1.38	1.34	1.30	1.35	1.32	1.38	1.34	1.42	1.30	1.26	1.40	1.26
1.24	1.40	1.46	1.40	1.43	1.48	1.35	1.41	1.38	1.34	1.30	1.35	1.32	1.38	1.34	1.42	1.30	1.26	1.40	1.26
6.21	7.00	7.30	26'9	7.11	7.36	6.72	90'2	6.87	89.9	6.50	6.73	6.61	68'9	6.72	7.10	6.49	6.29	7.00	6.29
8.97	9.43	9.58	9.43	9.53	9.77	9.19	9.50	9.32	9.27	60.6	9.24	9.18	6.39	9.28	9.55	9.15	8.98	9.43	8.98
4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.94	4.94	4.94	4.94	4.93	4.94
2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	3	19
0	2	က	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	2	18
2	3	4	2	9		8	6	10	11	12	13	14	15	16	- 41	18	19	3	19
-	2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	2	18
1-2	2-3	3-4	4-5	2-6	2-9	8-2	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	2-3 Duplicate	18-9 Duplicate

	0.2097	0.2309	0.2274	0.2210	0008'0	6209'0	0.2722	0.3138	0.2384	0.2319	0.2902	0.3107	0.2118	0.2281	0.2229	0.3518
	13.4215	12.9673	13.2039	13.2568	13.5636	13.6559	14.2079	15.1811	14.9819	12.9520	14.0941	13.2434	13.2214	12.8289	13.3619	12.4579
	19.88	19.87	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.88	19.87	19.88	19.87
	0.5001	0.4942	0.5001	0.5001	0.5001	0.5001	0.5001	0.5001	0.5001	0.5001	0.5001	0.5001	0.5001	0.4942	0.5001	0.4942
	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009	00009
	1.167	1.331	1.221	1.209	1.189	1.233	1.229	1.200	1.198	1.210	1.221	1.230	1.198	1.292	1.183	1.342
	1.209	1.372	1.257	1.249	1.232	1.264	1.262	1.235	1.234	1.245	1.261	1.269	1.237	1.333	1.226	1.376
	4147.06	3189.09	3410.88	3639.89	2074.50	520.04	2788.52	2373.30	3993.49	3160.15	2390.19	1842.50	3943.09	3203.01	3639.49	1307.88
	8	9		9		9	23	8	8	8		9		8	8	23
	4189	3219	3445	3675	2098	230	2832	2398	4030	3194	2415	1863	3982	3236	3677	1341
	2632	1815	2103	2257	1279	307	1588	1295	2211	2004	1381	1124	2474	1897	2288	292
	25	17	19	17	21	17	22	8	25	23	19	17	21	8	8	22
	2657	1832	2122	2274	1300	324	1610	1303	2236	2027	1400	1141	2495	1905	2296	280
	1.01	1.72	2.49	3.24	4.06	4.96	5.81	6.62	7.40	8.59	10.11	11.58	13.06	14.55	1.01	4.96
	1.35	2.10	2.88	3.61	4.52	5.40	6.22	7.01	7.79	9.39	10.83	12.33	13.80	15.30	1.35	5.40
	1.35	0.75	0.78	0.73	0.91	0.88	0.83	0.79	0.78	1.60	1.44	1.50	1.47	1.50	1.35	0.88
	29.0	0.75	0.78	0.73	0.91	0.88	0.83	62.0	0.78	08.0	0.72	0.75	0.74	0.75	29.0	0.88
	3.44	3.81	3.98	3.72	4.65	4.44	4.19	4.00	3.97	4.06	3.67	3.82	3.75	3.81	3.44	4.44
	70.7	7.29	7.43	7.29	7.88	7.74	7.56	7.43	7.43	7.49	7.22	7.33	7.30	7.32	70.7	7.74
	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
	2	3	4	2	9	7	8	6	10	12	14	16	18	20	2	7
	0	2	3	4	2	9	7	8	6	10	12	14	16	18	0	9
	2	3	4	2	9	7	8	6	10	12	14	16	18	20	2	7
	1	2	3	4	2	9	7	8	6	10	12	14	16	18	1	9
Core 19	1-2	2-3	3-4	4-5	2-6	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	1-2 Duplicate	6-7 Duplicate

Table 2: Continued.

| 18 1.227 1.143 60000 0.4929 19.87 13.7597 0.2271 | 1.258 1.172 60000 0.4929 19.87 13.7532 0.2367 | 1.155 00000 0.4829 19.87 12.1095 0.3129 12.06 60.000 0.4929 19.87 11.8797 0.3129 | 9 60000 0.4942 19.87 11.3946 0.2986 | 0.4942 19.87 | 0.4942 | 0.4929 19.87 6.7110 0.1793
0.4929 19.87 5.8642 0.1489 | 9 19.87 4.2863

 | 9 19.87 3.8833 | 3.1267 | + | 19.87 1.7402 0.0900
 | 1.5228 | 1.8288 | 4.0959 0.1319 | 4.0671 0.1536 | | 15.0099 0.2471 | 13.9672 0.2464 | 3723 0.2277 | 12.6168 0.2169

 | 9.6700 0.2457 | 137 0.1840 | Н

 | 6.1917 0.1588 | + | Н | 2.4678 0.0960 | 5859 0.0767 | 1.1850 0.1508 | 1.4960 0.0752
 | 1.2564 0.0629 | | 3.1070 0.2347 | 3.3110 0.2765
3.1638 0.2628 | 5.8344 0.2411 | 6.4752 0.2846 | 15.3903 0.2530
15.0762 0.3338 | 15.9722 0.2673 | 14.3487 0.2514
 | 14.1318 0.2258 | + | Н | 8.9622 0.1892 | + | 2 | 3 8583 0 1230 | 3.7934 0.1266 | 7.3800 0.2565 | |
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---|---------|---------|---------------|---------------|---------------|--------|
| 18 1.227 1.143 60000 0.4929 19.87 13.7597 | 1.258 1.172 60000 0.4929 19.87 13.7532 | 1.155 60000 0.4929 19.87 12.1095
1.206 60000 0.4929 19.87 11.8797 | 9 60000 0.4942 19.87 11.3946 | 0.4942 19.87 | 0.4942 19.87 | 9 19.87 | 19.87

 | 19.87 | H. | + | +
 | H | H | + | 4.0671 | | 6600.9 | 3.9672 | 3723 | .6168

 | 700 | 137 | 490

 | 917 | 015 | 3352 | 4678 | 5859 | 1850 | 8439
 | 2564 | | 3.1070 | 3.3110
3.1638 | 5.8344 | 6.4752 | 5.3903 | 15.9722 | 14.3487
 | 14.1318 | 13.1244 | 11.2403 | 8.9622 | 6.1834 | 5.4982 | 3.8583 | 3.7934 | 7.3800 | 2 |
| 18 1.227 1.143 60000 0.4929 19.87 | 1.258 1.172 60000 0.4929 19.87 | 1206 60000 0.4929 19.87 | 9 60000 0.4942 19.87 | + | 0.4942 | 6 0 | . 0

 | . 6 | 19.87 | 19.87 | 19.87
 | 187 | 2.5 | † | | | 7 | 5 | 5 5 | 12

 | 9.6700 | 8.2 | 7.9

 | 6.1917 | 4. | 2.8 | 7 0 | 1 4. | 4 | 10
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| 1.227 1.143 60000 0.4929 | 1.258 1.172 60000 0.4929 | 1.206 60000 0.4929 | 9 60000 0.4942 | + | Н | 0.4929 | 4929

 | 59 | 4 | | - 1
 | 15 | 19.87 | 19.87 | 19.87 | | 19.86 | 19.87 | 19.87 | 19.87

 | 19.87 | 19.87 | 19.87

 | 19.86 | 19.87 | 19.87 | 19.87 | 19.87 | 19.87 | 19.87
 | 19.86 | | 19.87 | 19.87 | 19.86 | 19.87 | 19.87 | 19.87 | 19.87
 | 19.86 | 19.87 | 19.87 | 19.87 | 19.87 | 19.87 | 19.87 | 19.87 | 19.87 | |
| 18 1.227 1.143 60000 | 1.258 1.172 60000 | 1.153 60000 | 00009 6 | 00009 | 8 | | ة اد

 | 0.49 | 0.4929 | 0.4929 | 0.4942
 | 0.4942 | 0.4929 | 0.4929 | 0.4942 | | 0.4919 | 0.4937 | 0.4937 | 0.4937

 | 0.4937 | 0.4937 | 0.4937

 | 0.4919 | 0.4937 | 0.4937 | 0.4937 | 0.4937 | 0.4937 | 0.4937
 | 0.4919 | | 0.4931 | 0.4931 | 0.4919 | 0.4931 | 0.4931 | 0.4931 | 0.4931
 | 0.4919 | 0.4931 | 0.4931 | 0.4931 | 0.4931 | 0.4931 | 0.4931 | 0.4931 | 0.4931 | |
| 18 1.227 1.143 | 1.258 1.172 | 1.153 | 3 | | .009 | 00009 | 00009

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 | | 00009 | | 00009 | 1. | | 90000 | 00009 | 00009 | 20000 |
| 1.227 | 1.258 | | 0.889 | 0.868 | 1.134 | 1.162 | 1.137

 | 1.141 | 1.166 | 1.169 | 1.146
 | 1.028 | 1.275 | 1.199 | 1.136 | | 1.151 | 1.142 | 1.130 | 1.114

 | 1.163 | 1.175 | 1.159

 | 1.191 | 1.160 | 1.166 | 1.159 | 1.171 | 1.201 | 1.196
 | 1.697 | | 1.096 | 1.122 | 1.233 | 1.110 | 1.143 | 1.085 | 1.163
 | 1.269 | 1.143 | 1.146 | 1.113 | 1.183 | 1.130 | 1.115 | 1.150 | 1.102 | 5 |
| 18 | , | 1.230 | 0.945 | 0.925 | 1.214 | 1.236 | 1.208

 | 1.215 | 1.242 | 1.248 | 1.207
 | 1.088 | 1.351 | 1.251 | 1.185 | | 1.319 | 1.270 | 1.227 | 1.224

 | 1.228 | 1.247 | 1.242

 | 1.289 | 1.243 | 1.238 | 1.238 | 1.231 | 1.248 | 1.250
 | 1.764 | | 1.236 | 1.249 | 1.372 | 1.235 | 1.253 | 1.217 | 1.271
 | 1.387 | 1.248 | 1.249 | 1.221 | 1.288 | 1.235 | 1.214 | 1.251 | 1.255 | 201 |
| 3716. | 3418.34 | 3016.53 | 1489.97 | 538.98 | 1790.94 | 1596.24 | 1025.53

 | 1142.35 | 382.32 | 539.32 | 464.16
 | 268.79 | 411.94 | 1005.29 | 732.49 | | 3734.01 | 3284.39 | 3493.13 | 3429.47

 | 1610.49 | 2035.74 | 2073.90

 | 1560.60 | 809.03 | 732.38 | 594.05 | 472.14 | 92.62 | 2704.24
 | 433.67 | | 4787.99 | 3520.19 | 4357.11 | 3388.09 | 3740.56 | 3609.13 | 3299.47
 | 3957.43 | 3621.85 | 2131.64 | 2317.02 | 1784.52 | 1259.83 | 1024 42 | 938.24 | 3713.02 | 10:1 |
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| 3755 | 3454 | 3051 | 1517 | 929 | 1823 | 1516 | 1061

 | 1184 | 403 | 570 | 222
499
 | 298 | 443 | 1040 | 759 | | 3770 | 3334 | 3531 | 3469

 | 1652 | 2071 | 2111

 | 1595 | 838 | 767 | 634 | 513 | 92 | 475
2741
 | 466 | | 4846 | 3553 | 4393 | 3419 | 3774 | 3642 | 3333
 | 3992 | 3660 | 2159 | 2370 | 1824 | 1294 | 1025 | 973 | 3749 | 11.1 |
| 2314 | 2077 | 2062 | 1445 | 685 | 1903 | 1845 | 2062

 | 2526 | 1027 | 1853 | 2254
 | 1686 | 1731 | 2005 | 1557 | | 2112 | 2020 | 2268 | 2394

 | 1405 | 2070 | 2209

 | 2068 | 1668 | 2173 | 2513 | 2495 | 550 | 2393
 | 1987 | | 2658 | 1884 | 2180 | 1815 | 2083 | 2040 | 1938
 | 2156 | 2365 | 1622 | 2276 | 2390 | 1987 | 1949 | 2108 | 2124 | 5 |
| 8 | 52 | 19 | 25 | 23 | 19 | 22 8 | 25

 | 23 | 19 | 17 | 17
 | 21 | 8 | 25 | 17 | | 56 | 22 | 25 | 23

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 | 17 | | 22.00 | 8 20 | 21 | 19 | 17 | 17 | 23
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| 2322 | 2102 | 1080 | 1470 | 708 | 1922 | 1867 | 2087

 | 2549 | 1046 | 1870 | 2182
 | 1707 | 1739 | 2030 | 1574 | | 2138 | 2042 | 2293 | 2417

 | 1427 | 2095 | 2232

 | 2087 | 1689 | 2190 | 2535 | 2520 | 573 | 2412
 | 2004 | | 2680.0 | 1892 | 2201 | 1834 | 2100 | 2057 | 1961
 | 2173 | 2386 | 1639 | 2298 | 2415 | 2010 | 1968 | 2129 | 2132 | 2 |
| 1.27 | 1.65 | 2.04 | 2.85 | 3.28 | 3.70 | 4.34 | 6.05

 | 6.91 | 7.75 | 9.21 | 13.91
 | 16.25 | 18.53 | 23.73 | 23.73 | | 0.31 | 0.54 | 1.12 | 1.43

 | 1.81 | 2.63 | 3.04

 | 3.64 | 5.33 | 6.16 | 7.02 | 11.05 | 13.92 | 16.93
 | 13.92 | | 0.35 | 0.59 | 1.11 | 1.37 | 1.65 | 2.26 | 2.55
 | 3.02 | 4.27 | 4.90 | 5.96 | 9.04 | 10.61 | 12.19 | 15.41 | 9.04 | - |
| 1.46 | 1.84 | 2.43 | 3.07 | 3.49 | 3.91 | 4.77 | 6.49

 | 7.33 | 8.18 | 10.23 | 15.73
 | 17.40 | 20.78 | 25.21 | 25.21 | | 0.41 | 0.67 | 1.28 | 1.57

 | 2.05 | 2.85 | 3.23

 | 4.05 | 5.72 | 6.61 | 0.77 | 12.33 | 15.50 | 18.35
 | 15.50 | | 0.46 | 0.72 | 1.24 | 1.50 | 1.80 | 2.40 | 2.71
 | 3.32 | 4.58 | 5.53 | 6.7034 | 9.8451 | 11.3819 | 12.9998 | 16.2247 | 2.40 | 5 |
| 0.38 | 0.38 | 0.39 | 0.43 | 0.42 | 0.42 | 0.86 | 0.87

 | 0.85 | 0.84 | 2.06 | 2.49
 | 2.30 | 3.38 | 4.43 | 4.43 | | 0.41 | 0.26 | 0.33 | 0.29

 | 0.47 | 0.44 | 0.38

 | 0.82 | 0.78 | 0.89 | 0.82 | 2.56 | 3.17 | 2.85
 | 3.17 | | 0.46 | 0.26 | 0.26 | 0.26 | 0.30 | 0.29 | 0.31
 | 0.62 | 0.63 | 0.95 | 1.4887 | 1.6165 | 1.5368 | 1.6179 | 1.6256 | 0.29 | 3 |
| 0.38 | 0.38 | 0.39 | 0.43 | 0.42 | 0.42 | 0.43 | 0.43

 | 0.42 | 0.42 | 0.41 | 0.50
 | 0.46 | 0.45 | 0.59 | 0.59 | | 0.21 | 0.26 | 0.33 | 0.29

 | 0.47 | 0.44 | 0.38

 | 0.41 | 0.39 | 0.45 | 0.47 | 0.51 | 0.63 | 0.57
 | 0.63 | | 0.23 | 0.26 | 0.26 | 0.26 | 0.30 | 0.29 | 0.31
 | 0.31 | 0.31 | 0.32 | 0.30 | 0.32 | 0.31 | 0.32 | 0.33 | 0.29 | |
| 2.03 | 2.02 | 2.05 | 2.26 | 2.21 | 2.24 | 2.25 | 2.28

 | 2.22 | 2.22 | 2.17 | 2.59
 | 2.40 | 2.36 | 3.04 | 3.04 | | 1.16 | 1.44 | 1.21 | 1.59

 | 1.95 | 2.28 | 2.03

 | 2.19 | 2.07 | 2.33 | 2.16 | 2.66 | 3.25 | 1.95
 | 3.25 | | 1.29 | 1.43 | 1.43 | 1.44 | 1.62 | 1.59 | 1.66
 | 1.67 | 1.69 | 1.71 | 1.61 | 1.74 | 1.66 | 1.74 | 1.75 | 1.59 | 3 |
| 6.21 | 6.20 | 6.22
6.29 | 6.35 | 6.33 | 6.34 | 6.36 | 6.36

 | 6.34 | 6.31 | 6.30 | 6.53
 | 6.42 | 6.39 | 98.9 | 6.86 | | 99.9 | 5.83 | 00.0 | 5.91

 | 6.44 | 6.29 | 6.17

 | 6.34 | 6.24 | 6.43 | 6.32 | 6.61 | 7.00 | 6.77
 | 7.00 | | 5.73 | 5.81 | 5.81 | 5.83 | 5.93 | 5.92 | 5.96
 | 5.97 | 5.99 | 00.9 | 5.94 | 6.02 | 5.94 | 6.02 | 6.04 | 5.92 | 2000 |
| 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94

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 | 4.94 | | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94
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| 34 | 4-5 | 2-9
2-9 | 1-8 | 8-9 | 9-10 | 10-12 | 14-16

 | 16-18 | 18-20 | 20-25 | 30-35
 | 35-40 | 40-45 | 45-50 | 50-55 Duplicate | Core 21 | 1-2 | 2-3 | 4-5 | 2-6

 | 6-7 | 8-9 | 9-10

 | 10-12 | 14-16 | 16-18 | 18-20 | 25-30 | 30-35 | 35-40
7-8 Duplicate
 | 30-35 Duplicate | Core 22 | 1-2 | 2-3 | 4-5 | 2-6 | 6-7 | 0-8 | 9-10
 | 10-12 | 14-16 | 16-18 | 18-20 | 25-30 | 30-35 | 35-40 | 50-55 | 8-9 Duplicate | 222222 |
| | 3 4 3 4 4.94 6.21 2.03 0.38 0.38 1.46 1.27 2.32 8 | 3 4 3 4 4.94 6.21 2.03 0.38 0.38 1.46 1.27 2.32 8
4 5 4 6.20 2.02 0.38 0.38 1.84 1.65 2.102 2.5
5 6.4 5 4 6.20 2.02 0.38 0.38 1.84 1.65 2.102 2.5 | 3 4 3 4 4.94 6.21 2.03 0.38 0.38 1.46 1.27 2.32 8 8 4 5 4 5 4.59 6.20 2.02 0.38 0.38 1.46 1.65 2.02 2.5 8 5 6 5 6 4.94 6.20 2.05 0.39 0.39 2.23 2.04 1.05 2.3 8 6 7 6 7 6 7 7 7 6 7 7 7 6 7 | 3 4 3 4 4,94 6,21 203 0.38 0.38 1,46 127 232 8 4 5 4 6 4,94 6,20 2,02 0.38 1,64 1,64 127 232 8 5 6 6 4,94 6,20 2,02 0.38 0.38 2,23 2,04 105 23 6 7 6 7 4,94 6,22 2,03 0.39 2,23 2,04 1095 23 7 8 7 8 4,94 6,29 2,16 0,41 2,64 2,43 1081 19 7 8 7 8 4,94 6,35 2,76 0,41 2,64 2,43 2,081 19 7 8 7 8 4,94 6,35 2,76 0,43 2,64 2,43 10,41 2,64 2,85 14,70 2,64 2,73 2,64 2,73< | 3 4 3 4 4.94 6.21 2.03 0.38 1.46 1.27 2.32 8 4 5 4 5 4.94 6.20 2.02 0.38 1.84 1.65 2.02 2.0 6 7 6 6 4.94 6.22 2.05 0.38 0.39 2.23 2.04 1.095 2.3 7 6 7 4.94 6.29 2.15 0.41 0.41 2.64 2.43 2.081 19 7 8 7 8 4.94 6.35 2.26 0.43 0.43 0.43 2.85 1470 2.64 8 9 8 4.94 6.35 2.26 0.43 0.43 3.07 2.85 1470 2.64 | 3 4 3 4 4.94 6.21 2.03 0.38 0.38 1.46 1.27 2.322 8 2.314 4 5 4.94 6.20 2.02 0.38 0.38 1.84 1.65 2102 2.5 2017 5 6 5 6 4.94 6.20 2.05 0.39 0.38 1.84 1.65 2102 2.5 2017 6 7 6 7 4.94 6.29 2.15 0.41 0.41 2.64 2.43 2.081 1.9 2.082 7 8 7 8 4.94 6.35 2.26 0.43 3.07 2.85 1470 2.5 1445 8 9 4.94 6.33 2.24 0.42 3.91 3.91 3.70 1.822 19 1903 9 10 9 10 4.94 6.34 2.24 0.42 0.42 3.91 3.91 3.7 | 3 4 3 4 4 4 6 27 203 0.38 0.38 146 127 2322 8 2314 4 5 4 4 6 20 0.39 0.39 146 162 2.05 2.07 0.39 0.39 2.23 2.04 1.095 2.3 1.072 2.03 1.042 2.03 2.04 0.042 0.042 0.042 <t< td=""><td>3 4 3 4 4.94 6.21 2.03 0.38 0.38 1.46 1.67 2.322 8 2314 4 5 4.94 6.20 2.02 0.38 0.39 1.84 1.67 2.02 2.07 6 7 6 4.94 6.22 2.16 0.39 2.23 2.04 1.072 2.07 7 8 4.94 6.29 2.16 0.41 2.64 2.43 2.08 1.49 2.08 8 9 8 7 4.94 6.35 2.21 0.42 3.47 2.86 1470 2.5 1445 9 8 9 8 4.94 6.34 2.24 0.42 3.49 3.76 182 2.7 185 10 12 10 4.94 6.34 2.24 0.42 3.49 3.7 186 2.3 1.61 1.9 1.02 1.02 1.04 1.04 1</td><td>3 4 3 4 494 621 203 0.38 146 127 2322 8 2344 4 5 4.94 622 2.02 0.38 0.38 1.64 1.67 2102 2.6 2077 6 6 6 4.94 6.22 2.16 0.38 0.38 2.34 1.04 1.072 2.6 207 7 6 6 4.94 6.29 2.16 0.41 0.41 2.64 2.03 1.07 2.86 1.47 2.04 1.07 2.00 1.00</td><td>3 4 3 4 494 621 203 0.38 146 127 2322 8 2344 4 5 4,94 6.20 2.02 0.38 0.38 1.64 1.65 2102 2.6 207 6 7 6 7 4.94 6.20 2.05 0.39 0.38 2.43 2.09 2.5 207 7 6 7 4.94 6.29 2.16 0.41 0.43 3.07 2.85 1.70 2.65 1.45 9 10 8 4.94 6.36 2.26 0.43 3.49 3.28 7.08 2.86 1.45 10 1 4.94 6.34 2.24 0.42 3.91 3.70 2.86 1.46 1.46 1 1 4.94 6.34 2.24 0.42 3.91 3.70 1.82 2.9 1.45 1 1 4.94 6.34 2.24</td><td>3 4 3 4 4.94 6.21 2.03 0.38 0.36 1.46 1.67 23.22 25 2514 6 6 6 4.94 6.20 2.02 0.39 0.39 1.46 1.67 2.52 2.57 7 6 7 4.94 6.22 2.16 0.39 0.39 2.23 2.04 1065 2.5 2.077 8 7 4.94 6.32 2.16 0.41 0.41 2.64 2.43 2.08 1.40 2.6 8 9 8 7 4.94 6.33 2.21 0.42 3.49 3.28 1.40 2.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445</td><td>3 4 3 4 4 944 621 203 0.38 0.44 1.67 202 0.38 1.46 1.67 2102 2.5 2314 6 6 5 4.94 6.20 2.02 0.38 0.38 1.84 1.65 2.02 207 7 6 5 4.94 6.22 2.15 0.41 0.41 2.84 2.83 2.74 1.072
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 6 6 6 6 6 7 449 627 203 0.39 144 166 207 207 207 207 208 215 204 203</td><td>4 6 6</td><td>4 6 6 4 4 6 0 0 0 0 0 1</td><td>4 5 4 6 6 4 4 6 6 6 6 4 4 6 2 6 7 7 6 6 6 6 6 4 6 2 2 6 1 1 1 1 1 1 1 6 6 4 6 2 2 6 4 6 2 2 6 4 6 2 2 6</td><td>4 5 4 6 6 6 6 6 6 6 6 7 4 4 6 6 9 6 4 4 6 6 4 6 6 6 6 6 6 6 6 6 9 6 4 6 6 6 9 6 4 6 6 9 6 6 9 6 6 6 9 9 6 9</td><td>4 6 4 4 May 6 A May</td><td>4 5 4 6 4 4 6 4 4 6 4 4 6 2 0 0 9 1 4 1 6 4 4 6 2 0 2 2 2 2 2 2 2 2 3 0 2 0 0 0 0 2 1 4 4 6 4 4 6 2 0 2 0 2 0 2 0 2 0 2 0 4</td><td>4 6 4 4 6 4 4 6 4 4 6 4 4 6 9 6</td><td>4 6 4 4 4 4 6 4 4 6 4 4 6 2 0 2 2 2 2 2 2 2 2 3 0 2 2 3 0 2 2 4 4 4 4 6 2 0 2 0 2 2 0 2 2 0 2 0 0 0 0 2 0</td><td>4 5 4 4 6 4 6 4 6 7 6 4 6 7 7 7 7 7 6 6 6 6 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 8 7 7 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9</td><td>4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
4 4 4 4 4 4 4 4 6 4 4 6 6 4 6 6 6 4 6 7 7 7 1 6 <td< td=""><td>4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 6 4 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 10 1</td><td>4 6 4 4 4 4 6 7</td><td>4 4 4 4 4 6 7</td><td> 1</td><td></td><td> 1</td><td> 1</td><td> 1</td><td> 1</td></td<></td></td></td></t<> | 3 4 3 4 4.94 6.21 2.03 0.38 0.38 1.46 1.67 2.322 8 2314 4 5 4.94 6.20 2.02 0.38 0.39 1.84 1.67 2.02 2.07 6 7 6 4.94 6.22 2.16 0.39 2.23 2.04 1.072 2.07 7 8 4.94 6.29 2.16 0.41 2.64 2.43 2.08 1.49 2.08 8 9 8 7 4.94 6.35 2.21 0.42 3.47 2.86 1470 2.5 1445 9 8 9 8 4.94 6.34 2.24 0.42 3.49 3.76 182 2.7 185 10 12 10 4.94 6.34 2.24 0.42 3.49 3.7 186 2.3 1.61 1.9 1.02 1.02 1.04 1.04 1 | 3 4 3 4 494 621 203 0.38 146 127 2322 8 2344 4 5 4.94 622 2.02 0.38 0.38 1.64 1.67 2102 2.6 2077 6 6 6 4.94 6.22 2.16 0.38 0.38 2.34 1.04 1.072 2.6 207 7 6 6 4.94 6.29 2.16 0.41 0.41 2.64 2.03 1.07 2.86 1.47 2.04 1.07 2.00 1.00 | 3 4 3 4 494 621 203 0.38 146 127 2322 8 2344 4 5 4,94 6.20 2.02 0.38 0.38 1.64 1.65 2102 2.6 207 6 7 6 7 4.94 6.20 2.05 0.39 0.38 2.43 2.09 2.5 207 7 6 7 4.94 6.29 2.16 0.41 0.43 3.07 2.85 1.70 2.65 1.45 9 10 8 4.94 6.36 2.26 0.43 3.49 3.28 7.08 2.86 1.45 10 1 4.94 6.34 2.24 0.42 3.91 3.70 2.86 1.46 1.46 1 1 4.94 6.34 2.24 0.42 3.91 3.70 1.82 2.9 1.45 1 1 4.94 6.34 2.24 | 3 4 3 4 4.94 6.21 2.03 0.38 0.36 1.46 1.67 23.22 25 2514 6 6 6 4.94 6.20 2.02 0.39 0.39 1.46 1.67 2.52 2.57 7 6 7 4.94 6.22 2.16 0.39 0.39 2.23 2.04 1065 2.5 2.077 8 7 4.94 6.32 2.16 0.41 0.41 2.64 2.43 2.08 1.40 2.6 8 9 8 7 4.94 6.33 2.21 0.42 3.49 3.28 1.40 2.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 1.445 6.6 1.445 6.6 1.445 6.6 1.445 6.6 1.445 | 3 4 3 4 4 944 621 203 0.38 0.44 1.67 202 0.38 1.46 1.67 2102 2.5 2314 6 6 5 4.94 6.20 2.02 0.38 0.38 1.84 1.65 2.02 207 7 6 5 4.94 6.22 2.15 0.41 0.41 2.84 2.83 2.74 1.072 2.85 1.072
2.85 1.072 2.85 1.072 2.85 1.072 2.85 1.072 2.85 1.072 | 3 4 6.94 6.21 2.03 0.38 146 127 2322 8 2334 4 5 4.94 6.21 2.02 0.38 0.38 1.64 1.67 2.102 2.5 20.77 6 6 6 4.94 6.22 2.16 0.38 0.18 2.13 2.04 1.072 2.8 2.01 1.07 2.0 1.07 2.0 2.0 2.0 0.38 0.38 2.2 1.64 1.05 2.10 2.0 2.0 0.38 0.39 2.2 1.06 2.0 | 3 4 3 4 4 4 4 6 1 2 3 4 4 4 6 2 2 6 4 4 6 3 2 1 2 4 4 6 3 2 2 4 4 6 3 2 2 4 4 4 6 3 2 | 3 4 4 4 4 6 1 27 2322 8 2314 4 5 4 4 6 20 0.38 0.38 146 167 252 257 6 6 6 6 4 94 6.20 2.02 0.39 0.39 2.23 2.04 1062 257 7 4 94 6.29 2.16 0.43 0.43 2.23 2.04 1072 2.83 1072 2.65 1072 2.03 1072 2.63 2.04 1082 2.18 1072 2.04 1072 2.04 1072 2.04 1072 2.04 2.04 1072 2.04 2.04 2.04 2.04 0.43 0.43 0.43 0.43 0.43 0.42 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43 | 3 4 3 4 454 621 203 0.38 1.64 127 2222 8 4 6 5 6 6 494 6.22 2.02 0.38 1.64 1.67 2.02 8 6 6 5 6 4.94 6.22 2.03 0.38 1.64 1.65 2.02 2.02 7 6 7 4.94 6.29 2.15 0.41 2.64 2.43 1.095 2.2 8 9 8 4.94 6.23 2.21 0.42 3.07 2.85 1.470 2.85 1.470 2.85 1.470 2.85 1.470 2.86 1.470 1.9 1.0 | 3 4 5 4 494 621 202 0.38 1.46 127 2222 8 2344 6 | 3 4 6 4 4 6 6 6 4 94 6 1 20 0.38 0.38 146 167 252 257 | 3 4 6 4 94 6 21 2 03 0.38 0.4 1 27 2 322 8 2314 6 6 5 4 94 6 20 2 02 0.38 0.38 1 46 1 67 2 5 2507 6 6 5 6 4 94 6 22 2 16 0.39 2 23 2 14 1092 2 5 2 1077 7 8 7 4 94 6 32 2 21 0.43 3 07 2 64 1405 2 5 1072 8 9 8 9 4 94 6 33 2 21 0.42 3 49 3 07 2 84 1405 14145 14145 14145 14145 14145 14145 14145 14144 | 3 4 4 4 4 4 4 4 4 4 4 4 4 6 2 0 38 0 38 146 167 2322 8 2314 6 6 5 6 6 4 494 622 226 0.39 0.39 2.23 204 1072 25 2077 1072 1072 26 1072 223 204 1072 26 1072 26 1072 205 1072 208 1072 208 1072 203 </td <td>3 4 4 4 4 6 1 7 2 3 2 2 3 2 2 3 2 3 3 2 3 3 2 3 4 4 6 3 2 2 3 4 4 6 3 2 2 4
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 203 203</td><td>4 6 6</td><td>4 6 6 4 4 6 0 0 0 0 0 1</td><td>4 5 4 6 6 4 4 6 6 6 6 4 4 6 2 6 7 7 6 6 6 6 6 4 6 2 2 6 1 1 1 1 1 1 1 6 6 4 6 2 2 6 4 6 2 2 6 4 6 2 2 6</td><td>4 5 4 6 6 6 6 6 6 6 6 7 4 4 6 6 9 6 4 4 6 6 4 6 6 6 6 6 6 6 6 6 9 6 4 6 6 6 9 6 4 6 6 9 6 6 9 6 6 6 9 9 6 9</td><td>4 6 4 4 May 6 A May</td><td>4 5 4 6 4 4 6 4 4 6 4 4 6 2 0 0 9 1 4 1 6 4 4 6 2 0 2 2 2 2 2 2 2 2 3 0 2 0 0 0 0 2 1 4 4 6 4 4 6 2 0 2 0 2 0 2 0 2 0 2 0 4</td><td>4 6 4 4 6 4 4 6 4 4 6 4 4 6 9 6</td><td>4 6 4 4 4 4 6 4 4 6 4 4 6 2 0 2 2 2 2 2 2 2 2 3 0 2 2 3 0 2 2 4 4 4 4 6 2 0 2 0 2 2 0 2 2 0 2 0 0 0 0 2 0</td><td>4 5 4 4 6 4 6 4 6 7 6 4 6 7 7 7 7 7 6 6 6 6 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 8 7 7 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9</td><td>4 5 4 6 4 4 6 6 4 6 6 6 4 6 7 7 7 1 6
 6 <td< td=""><td>4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 6 4 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 10 1</td><td>4 6 4 4 4 4 6 7</td><td>4 4 4 4 4 6 7</td><td> 1</td><td></td><td> 1</td><td> 1</td><td> 1</td><td> 1</td></td<></td></td> | 3 4 4 4 4 6 1 7 2 3 2 2 3 2 2 3 2 3 3 2 3 3 2 3 4 4 6 3 2 2 3 4 4 6 3 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 3 4 4 4 4 4 4 4 4 4 4 4 4 6 1 20 0.38 0.38 146 1 25 25 2077 6 6 6 6 4 94 6 20 0.39 0.39 2.23 2.04 1002 25 2077 7 6 7 4 94 6.53 2.21 0.43 0.43 0.83 10 2.63 10 2.63 10 2.63 10 2.64 10 2.64 6.33 2.21 0.42 0.42 0.83 10 2.64 10 2.64 6.33 2.24 0.42 0.42 0.83 10 2.64 10 10 10 10 10 4.94 6.33 2.22 0.43 6.64 5.34 2.22 0.42 0.86 17 4.94 6.34 2.22 0.42 0.86 17 4.94 | 3 4 6 494 627 203 0.38 0.38 146 127 2322 8 2314 4 5 4 94 620 202 0.39 0.39 146 167 25 2077 6 6 6 6 4 94 620 2.06 0.39 0.39 2.23 2.04 1062 2.07 7 4 94 6.29 2.16 0.43 0.43 0.43 0.43 0.43 0.44 0.44 0.53 2.21 0.42 3.04 2.03 10 2.64 2.04 0.42 0.42 0.43 0.43 0.44 0.33 2.21 0.42 0.43 0.43 0.44 0.33 2.24 0.42 0.44 0.44 0.33 2.22 0.42 0.44 0.44 0.34 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42 </td <td>3 4 3 4 4 4 4 6 7 7 8 4 6 6 6 6 6 4 4 6 6 6 6 7 4 4 4 6 6 7 4 4 6 6 7 4 4 6 6 7 6 6 7 7 8 7 6 9 7 7 8 7 7 8 7 7 8 7 8 9 8 9 8 9 4 9 6 9 4 9 4 9 4 6 9 4 9 4 9</td> <td>3 4 5 4 4 649 6 21 2.03 0.38 144 127 2222 2 2017 5 6 6 6 6 4 649 6.20 2.05 0.38 0.38 164 166 2.02 2.04 2.23 2.04 1095 2.23 2.04 1095 2.23 2.04 1095 2.23 1072 2.05 1005 2.23 2.04 1095 2.23 1072 2.04 1095 2.04 1095 2.04 1095 2.04 1095 2.23 2.04 1096 2.23 2.04 1098 1098 140 1098 140 1006 2.02 2.04 0.42</td> <td>3 4 6 2 6 0 6 6 6 6 4 4 4 6 2 2 6 7 4 4 6 6 0 0 0 2
2 2 2 2 2 4 4 4 6 2 2 6 0</td> <td>3 4 6 2 2 6 6 6 4 4 6 2 2 6 6 6 4 6 6 2 6</td> <td>3 4 4 944 6 27 2 03 0.38 146 1 67 2 03 0.38 1 46 1 67 2 03 0.38 1 46 1 67 2 03 0.39 1 68 1 67 2 03 0.03 0.03 1 68 2 04 0.03<</td> <td>4 6 6 6 4 4 6494 627 203 0.38 144 167 1272 22 2 2077 6 6 6 6 6 6 6 6 7 4 644 6.27 2.03 0.39 1.24 1.66 2.07 2.07 2.07 2.03 0.43 0.43 2.03</td> <td>3 4 5 4 454 627 203 0.38 144 157 222 8 277 6 6 6 6 6 6 6 6 7 449 627 203 0.39 144 166 207 207 207 207 208 215 204 203</td> <td>4 6 6</td> <td>4 6 6 4 4 6 0 0 0 0 0 1</td> <td>4 5 4 6 6 4 4 6 6 6 6 4 4 6 2 6 7 7 6 6 6 6 6 4 6 2 2 6 1 1 1 1 1 1 1 6 6 4 6 2 2 6 4 6 2 2 6 4 6 2 2 6</td> <td>4 5 4 6 6 6 6 6 6 6 6 7 4 4 6 6 9 6 4 4 6 6 4 6 6 6 6 6 6 6 6 6 9 6 4 6 6 6 9 6 4 6 6 9 6 6 9 6 6 6 9 9 6 9</td> <td>4 6 4 4 May 6 A May</td> <td>4 5 4 6 4 4 6 4 4 6 4 4 6 2 0 0 9 1 4 1 6 4 4 6 2 0 2 2 2 2 2 2 2
 2 3 0 2 0 0 0 0 2 1 4 4 6 4 4 6 2 0 2 0 2 0 2 0 2 0 2 0 4</td> <td>4 6 4 4 6 4 4 6 4 4 6 4 4 6 9 6</td> <td>4 6 4 4 4 4 6 4 4 6 4 4 6 2 0 2 2 2 2 2 2 2 2 3 0 2 2 3 0 2 2 4 4 4 4 6 2 0 2 0 2 2 0 2 2 0 2 0 0 0 0 2 0</td> <td>4 5 4 4 6 4 6 4 6 7 6 4 6 7 7 7 7 7 6 6 6 6 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 8 7 7 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9</td> <td>4 5 4 6 4 4 6 6 4 6 6 6 4 6 7 7 7 1 6 <td< td=""><td>4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 6 4 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 10 1</td><td>4 6 4 4 4 4 6 7</td><td>4 4 4 4 4 6 7</td><td> 1</td><td></td><td> 1</td><td> 1</td><td> 1</td><td> 1</td></td<></td> | 3 4 3 4 4 4 4 6 7 7 8 4 6 6 6 6 6 4 4 6 6 6 6 7 4 4 4 6 6 7 4 4 6 6 7 4 4 6 6 7 6 6 7 7 8 7 6 9 7 7 8 7 7 8 7 7 8 7 8 9 8 9 8 9 4 9 6 9 4 9 4 9 4 6 9 4 9 4 9 | 3 4 5 4 4 649 6 21 2.03 0.38 144 127 2222 2 2017 5 6 6 6 6 4 649 6.20 2.05 0.38 0.38 164 166 2.02 2.04 2.23 2.04
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 4 6 6 6 6 6 6 6 6 7 4 4 6 6 9 6 4 4 6 6 4 6 6 6 6 6 6 6 6 6 9 6 4 6 6 6 9 6 4 6 6 9 6 6 9 6 6 6 9 9 6 9 | 4 6 4 4 May 6 A May | 4 5 4 6 4 4 6 4 4 6 4 4 6 2 0 0 9 1 4 1 6 4 4 6 2 0 2 2 2 2 2 2 2 2 3 0 2 0 0 0 0 2 1 4 4 6 4 4 6 2 0 2 0 2 0 2 0 2 0 2 0 4 | 4 6 4 4 6 4 4 6 4 4 6 4 4 6 9 6 | 4 6 4 4 4 4 6 4 4 6 4 4 6 2 0 2 2 2 2 2 2 2 2 3 0 2 2 3 0 2 2 4 4 4 4 6 2 0 2 0 2 2 0 2 2 0 2 0 0 0 0 2 0 | 4 5 4 4 6 4 6 4 6 7 6 4 6 7 7 7 7 7 6 6 6 6 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 6 6 6 7 7 7 7 8 7 7 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 4 5 4 6 4 4 6 6 4 6 6 6 4 6 7 7 7 1 6 <td< td=""><td>4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 6 4 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 10 1</td><td>4 6 4 4 4 4 6 7</td><td>4 4 4 4 4 6 7</td><td> 1</td><td></td><td> 1</td><td> 1</td><td> 1</td><td> 1</td></td<> | 4 4 4 4 4 4 4 4
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 6 4 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 10 1 | 4 6 4 4 4 4 6 7 | 4 4 4 4 4 6 7 | 1 | | 1 | 1 | 1 | 1 |

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-12	8-9	1.34	0.61	0.010
GVRD-13	14-16	1.28	0.58	0.010
GVRD-13	25-30	1.69	0.36	0.010
GVRD-13	8-9	0.57	0.76	0.010
			0.26	
GVRD-14	14-16	0.60		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 AVS (μπούg AI %) | Fe (%) | Mg | Ca (%) | Ba (μαίg) | Mn (μαίg) | (μαία) | (μαί

Core 1																												
0-1	0.16						787.21	0.30	1.42	2.26	0.30	3.14 0.	32 17.			51.75	115.54		1.18	0.48	18.35			5.42	2647.83			0.95
1-2	0.83				1.66		604.18	0.33	1.33	2.52	11.52	5.29	32 17.74	74 41.03	38.41	55.18	120.24	19.23	1.17	0.48	18.31	134.16	40.	5.08	2/////2	5950.63	852.99	0.94
34	0.40						540.15	0.35	1.47		2.64	1,71	34 18.2		3 39.23	55.51	122.49		1.18	0.48	18.36			4.73	2831.25			0.93
4-5	1.13		ı	1			543.88	0.34	1.55	2.66		8.93	48 18.16		38.80	57.80	123.77		1.17	0.48	18.30	149.45		4.54	2843.09	6024.04		0.93
2-6	1.19						552.60	0.32	1.58				33 17.5			57.40	125.85	19.63	1.17	0.48	18.36			4.63	2917.67	6304.09	828.15	0.92
2-9	0.62						566.65	0.34	1.79				37 18.5			56.18	129.06		1.18	0.48	18.32			4.52	2965.30	6555.41	776.63	0.92
7-8	1.88						555.32	0.33	2.17				34 19.0		7 42.04	59.21	129.01		1.18	0.48	18.45			4.39	2904.78	7022.57	776.31	0.92
8-9	0.18						563.50	0.35	1.91	2.65	14.18 10	10.16 0.3	0.35 18.92	92 59.61		60.63	131.41		1.18	0.48	18.39	150.24	1.06	4.34	2944.61	7388.53	796.62	0.92
9-10	1.00				- 1		572.30	0.36	2.24				35 19.			63.56	133.54		1.17	0.48	18.26			4.31	3023.10	7912.30	781.50	0.92
10-12	0.42						559.67	0.33	3.14				34 19.4		6 40.90	64.90	136.75		1.18	0.48	18.24			4.10	3017.32	8331.64	732.69	0.91
12-14	0.78						566.63	0.29	3.98				31 19.			62.27	139.31		1.1/	0.48	18.31			90.4	3014.43	9007.91	682.97	0.90
14-16	67.0						549.83	0.32	3.97	3.13			0.29 19.18			55.75	134.93		1.1/	0.48	18.20	146.07		. y	3025.82	9048.54	667.94	0.80
10-18	05.0						248.81	0.33	4.39							52.99	117.00			0.48	18.44			20.4	3082.11	9584.70	620 00	0.90
18-20	0.20						530.74	0.33	5.32		8.80	0 0	23 19.0		3 42.27	43.34	117.99		2	0.48	18.48		97.7	3.80	3004.35	9520.36	65.839	0.80
20-25	0.41						550.93	0.35	6.38	_	9.46	.02	20 19.7			39.46	109.08		1.19	0.48	18.43		1.11	3.88	3080.70	9991.93	638.08	0.89
25-30	ان ان						572 40	0.39	7.49	3.94 2	97.0	0.00	10 18.	74 01.2	7 42.05	32.01	00.00		02.1	0.48	18.77	90.27	1 42	3.72	30.59.82	9858.65	17.010	0.89
35-40	0.0						550.07	0.42	7.21		20.09	9.94	17 18	20 50 87	7 4188	34.77	96.41		1 22	0.49	19.00	77.00	1.06	3.65	2948.55	9388 29	_	0.03
40-45	0.29	5.06	3.71	1.59	1.61	321.92	555.63	0.49	5.85	3.57		Ш	18 18.34		0 42.68	32.94	96.55		1.22	0.49	19.04	73.6	5 1.07	3.71	2962.55		569.64	0.89
50-55	1.55						582.79	0.52	8.15		19.49 10		0.18 18.4			34.87	97.14	8.23	1.21	0.49	18.97	72.20	1.02	3.53	2853.71	9899.69	_	0.88
Core 2	3		00,	L				9			00,	1			0	100	70		,	9		L		9	0000	01 1100	010	0
0-1	0.1	- 1	4.82		1.72 5		555.34	0.19	1.65	1.74	4.69	0.77	0.42 16.35	35 88.71	1 52.31	78.05	138.84	31.58	1.18	0.48	18.41		1.68	3.10	3522.46	2255.58		0.83
7-7	0.0		4.86	28. 6			555.71	0.19	2.37							80.27	140.54		1.18	0.48	18.39			2.82	3613.31	2087.69		0.81
2-3	9. 4		4.80		1.74		242.50	0.20	2.28	2.13		8.95	0.49 17.0	02.00 50	0.04.11	90.90	140.85	35.46	7, 19	0.48	18.33			77.7	3634.95			0.79
4 4	- 0		4.81				534.65	0.27	2.10	2.17						86.96	137 74		1.1/	0.48	18.24	185.72		2.00	3017.58	1973 35	855.66	0.78
0			4.02	2,12	171		536 75	0.24	200	218			0.49	75.60	53.46	07.00	130 74	36.41	1 1 7	0.40	18.35			2.53	3502.23	2064 22		0.70
2-9	. 0		4.69	1 74			535.73	0.21	2.43	2 18			_			85.14	140.03		1,18	0.48	18.20	_		2.02	349862	2051 69		0.72
7-8	0.5	1					542.96	0.20	2.57	2.17				75 93.44		86.53	141.62	38.05	1.18	0.48	18.38			2.37	3548.89	1954.22		0.77
6-8	1.0						525.43	0.21	2.01							81.15	133.88	37.28	1.17	0.48	18.33			2.69	3634.90	2063.93		0.77
9-10	0.0						530.26	0.21	2.28				52 17.25	25 89.02	2 55.50	84.15	136.72	37.03	1.18	0.48	18.35	187.91		2.71	3597.43	2141.50		0.76
10-12	0.5						521.28	0.20	2.31							85.43	133.32	37.33	1.18	0.48	18.44			2.57	3584.26	2100.00		0.75
12-14	0.8						510.96	0.20	2.53				58 17.12		7 54.87	86.77	134.85	40.07	1.17	0.48	18.36			2.57	3522.25	2257.57		0.74
14-10	2.7			28.1	1 20	50.5.02	535.12	0.23	27.7	2.32	4.42	11.48 0.3	0.51	73 96	5 57 94	7111	143.23	44.51	1.17	0.48	18.20		1.7	2.30	3517.80	2849.20	740.00	0.73
18-20	4.2						525 27	0.27	2 68				74 18 53	_	7 5854	58.46	140.82	40.81	1 18	0.48	18.34	251 0	1 78	2.48	3579.46	3045 95		0.73
20-25	3.9	7.89	4.89				547.10	0.23	2.68						5 58.01	53.42	138.41		1.18	0.48	18.37			2.52	3617.59	3038.45		0.74
25-30	5.9						528.45	0.21	2.40			.07 0.	20 18.74		4 55.61	44.93	125.30		1.18	0.48	18.51			2.45	3507.78			0.75
30-35	0.8			1.93	1.73 6	629.86	560.54	0.20	2.23			10.97 0.	0.16 19.48		2 57.39	41.08	117.97	22.25	1.19	0.49	18.65	167.60		2.66	3723.64		753.15	0.75
40-45	0.3						549.26	0.23	1.89						2 60.95	37.31	111.59		1.21	0.49	18.90			2.52	3640.49	2436.43		0.74
Core 3																												
0-1		-					485.45	0.36	3.45					97 95.08		40.65	99.39		1.21	0.48	19.17		MM 6	Σ	ΣN	2780.73		0.72
1-2	0.54						513.89	0.36	3.02	1.43		6.03 0.4	0.46 21.11	11 103.12		45.10	105.56	13.64	1.21	0.48	18.99	58.23	ΣN.	<u> </u>	Z :	2782.40	Z :	0.70
2-3	2. 8.						322.44	90.0	4.00				46 21.	9 9	0 23.08	40.13	107.10		77.	0.49	19.07		N N		MN N	20.1012		0.00
4 t	25						490.00	0.00	3.62				56 20 12			45.09	101.37		12.1	0.45 84.0	19.00				Z Z	3000 69		0.00
5-6	32	1			1		494.50	0.33	3.59							42.51	103.27		1.21	0.48	19.12		ı	Ž	ΣZ	3583.78		0.64
2-9	23						490.11	0.33	3.58	1.71		5.29 0.4			5 50.50	42.77	98.71		1.21	0.48	18.88		MN	ΣN	ΣZ	3634.16		0.63
7-8	26						481.92	0.34	3.89							37.49	94.88		1.21	0.48	19.05			Σ	ΣZ	3671.19		09.0
8-9	33						482.40	0.34	3.93		3.43		0.48 20.48	48 95.39	9 47.55	35.91	93.70	11.22	1.22	0.49	19.06	74.83	MM 8	ΣN	ΣZ	3530.83	ΣN	0.57
9-10	27						487.95	0.30	6.81							36.48	90.00		1.20	0.48	19.18			MN	MN	3253.03		0.54
10-12	25						458.27	0.23	5.05							33.24	86.55		1.21	0.48	18.87		NM S	ΣŽ	ΣZ	3056.73	ΣN	0.56
12-14	21						502.83	0.22	4.18						8 51.34	37.92	98.34		1.21	0.49	18.74		- 1	∑	Σ	2938.32		0.58
14-16	17						560.22	0.14	4.47				31 23.50	50 99.35		42.11			1.20	0.48	18.97		- 1	≅	Σ	2762.84		09.0
16-18	25						528.97	0.18	3.65	2.07		6.87 0.3	0.37 22.E		3 53.72	39.56	108.43		1.20	0.48	19.00		W S	<u> </u>	ΣŽ	2810.84	Z Z	0.62
18-20 20-25	25						535.31	0.1	4.91			7.53 0.	32 22.	44 81.64 20 108 58	8 56.17	40.12			3. 1	0.40	18.50			ž Z	ΣZ	2853.63	ΣN	0.63
25-30	2 22	7.86	4.84	1.85	1.90	658.38	557.70	0.16	4.02		2.52	76 0.	29 23.5	35 93.0	4				1.20	0.48	19.01		. W	ΣZ	ΣZ	2659.41	ΣZ	0.62
30-35	26						545.09	0.17	3.33	1.82		9.56 0.3	0.33 22.88	38 95.70		40.39	109.45	15.20	1.20	0.48	18.86	80.84	ΣN	Σ	ΣZ	2469.30		0.60
	-							-						_	_	2))

Table 4: Continued.

0.60 0.60	ļ	0.65	0.64	0.63	0.63	0.62	0.61	0.60	0.00	0.53	0.54	0.58	0.58	0.58	0.57	0.57	0.55	0.57	0.57		98.0	0.84	0.83	0.82	0.81	0.81	0.80	0.70	0.78	0.72	0.78	0.78	0.78	0.78	0.77	0.77	0.78	0.78	0.77	0.0	L	0.84	4	0.72	0.74	0.71	0.72	0.70				0.68		990
P (µg/g) NM NM		1331.84	8.27	1456.69	09.0	69 6	5 79	878	3.45	7.53	7.53	28.10	98.91	9.78	7.55	1959.82	2022.58	36.92			3233.34	16.98	0.54	36.00	5.31	10.31	2479.30	3.07	3.03	3.03	4 68	868	4.98	6.62	17.66	33.50	14.29	36.05	3696.59	00.7	ŀ	-	794.55				_					665.95	00.100	
S (µg/g) 2785.27 2519.52		133	151	145	150	173	170	175	174	177	1/1	8/1	184	195	187	195	202	208	1		323	298	281	283	270	260	247	252	261	201	299	318	328	301	353	363	334	363	369	£		2802.66	2473.06	2334.23	2178.38	2187.84	2114.00	2164.96	2214.34	2212.06	2240.27	2268.00	22.4.77	
Ti (µg/g) NM NM		ΣZ Z	ΣZ	ΝN	ΣN	MN	ΣN	MN	MN	MM	N S	NN	ΣN.	ΣN	Σ	Σ	NM	ΣZ	Z		ΜN	MN	MN	Σ	Σ	ΣN.	Σ Z	MN	MN	N N	ΣZ	Σ	ΣN	ΣN	NM	NM	MN	Σ	ΣZ			3950.57	3959.92	4123.23	4189.89	4275.89	4153.35	4161.00	4234.48	4257.37	4292.57	4156.53	4411.10	
NM NM NM		Σ Z	ΣZ	ΣN	ΣN	Z	Z	ΣN	Z Z	N N	N	N .	Z :	Z.	Σ	Σ	NM	∑ Z	N.		ΣN	MN	MN	ΣZ	<u> </u>	Z :	Σ Z	Z Z	Z	N N	ΣZ	Z	ΣN	ΣN	MN	MN	MN	∑ Z	Z Z	Ž		3.91	3.43				2.91				2.87		7.7.7	
K (%)		ΣZ	ΣZ	ΣZ	ΣN	ΣN	ΣZ	MN	Z	Z		2	Z :	Z	Σ	ΣZ	N	ΣZ	N		ΣZ	MN	ΝN	ΣZ	Σ 2	2	Σ Σ Ζ	Z	Z	ž Z	ΣZ	ΣZ	ΣZ	ΣN	NM	MN	ΝN	Σ.	∑	N.		1.36	1.41	14.1	1.45	1 44	14.	1.45	1.43	1.44	1.46	1.43	24.	
Hg (ng/g) 97.94		53.43	57.07	61.83	60.05	61.00	75.32	62.46	62.52	60.05	09.02	02.51	68.64	69.41	65.92	67.66	78.32	70.48	4.		28.92	32.42	38.61	39.26	36.53	41.69	47.91	43.30	46.32	40.32	48.32	49.56	52.42	52.39	52.01	54.70	56.04	63.61	69.12	20.10		55.33	75.28	55.23	86.34	67 18	68.10	83.99	75.10	91.08	80.57	69.81	3	
Pb 206/204 18.96 18.88	!	19.27	19.52	19.30	19.35	19 20	19.33	19.20	19.20	10.20	19.29	9.6	19.14	19.00	19.26	19.36	19.17	19.12	9.70		18.99	18.98	18.93	19.03	18.94	18.91	18.95	18 71	18 00	16.53	18 70	18.87	18.91	18.67	18.71	18.86	18.99	18.75	18.73	0.0		18.68	18.68	18.04	18.72	18.67	18.64	18.78	18.73	18.57	18.68	18.74	0.70	
Pb 206/208 : 0.48	•	0.49	0.48	0.48	0.48	0.49	0.48	0.40	0.40	0.40	0.49	0.49	0.49	0.49	0.48	0.48	0.49	0.49	0.48		0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.40	0.43	0.40	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.48	0.48	o t		0.48	0.48	0.40	0.48	0.48	0.48	0.48	0.49	0.48	0.48	0.49	17.7	
Pb 206/207 2 1.19 1.20		1.23	1.23	1.22	1.22	1 23	1 22	1 22	1 22	1 22	77.	77.	1.22	1.22	1.22	1.22	1.22	1.22	17.1		1.21	1.20	1.20	1.21	1.21	1.20	02.1	1 21	1 20	1 12	1 20	1.20	1.20	1.21	1.20	1.20	1.19	1.20	1.19	-		1.20	1.19	07.1	1.20	1 19	1.19	1.20	1.20	1.20	1.20	1.19		
Pb 2 14.36 15.47		10.30	17.80	9.58	11.10	7.46	8 14	12.45	0.43	10.56	0.00	0.77	10.82	10.26	8.41	9.37	10.34	10.36	9.90		8.62	14.44	12.20	13.48	13.59	11.52	12.27	16.28	13.26	1609.05	17.95	16.02	14.45	15.19	14.82	17.59	18.77	17.45	18.31	000		12.15	12.43	12.31	12.75	12.75	12.73	12.90	13.14	13.22	12.98	13.35		
Zn (µg/g) 109.42 109.14		334 50	347.44	93.27	105.84	80 13	94.63	96 13	90.13	110.68	00.00	89.03	102.09	97.89	93.76	92.11	97.67	94.24	92.44		116.07	122.88	113.48	121.21	113.80	112.08	179.66					119.59	121.72	126.56	123.54	135.91	132.13	170.01	151.99	£ .		85.65	88.35	20.00	91.47	91.56	88.94	91.89	93.69	91.33	94.55	90.78		0.00
Cu (µg/g) 39.15 39.17		33.34	31.75	33.05	33.74	28.16	34.31		32.20	32.20	32.39	31.53	32.88	34.63	34.91			36.05			31.79	36.48	32.96	36.62	33.90	33.34	36.05	36 34	37.02	158 11	37.47	36.05	36.78	36.82	36.76	36.78	38.28	37.64	40.52	2 1: 0:		12.63	13.08		13.27	13.79	13.72	13.72	13.76			13.24		_
Ni (μg/g) 9 55.34 7 56.91		49.29	_	1 51.07					49.44			50.33		8 53.86		0 52.09	53.14	7 53.93	08.16			8 48.49				2 44.32			48.20	1 28 53	20.03	8 47.21	4 48.16				4 49.75		5 51.48			31.19	31.90	32.74		32.36	7 31.67	32.45	33.27			33.61		
Cr 3) (µg/g) 56 104.49 56 99.07	L	74 97	`	-	36 96.61				37 106 44	т.		00 100	35 104.40	94 100.8	37 111.2	14 106.3	27 90.0	28 103.47	93.0		88	23 93.68	-	_	93 93.35	_	_	_	_				30 65.24			53 59.02	35 80.44	_	80 63.45	-		_	_	20 40.2	-	-	51 55.8	_	_		_	23 56.31		9.00
Ag Co ug/g) (ug/g) 0.28 23.66 0.11 23.56		20.04	0.36 19.58			0.16 19.43		_	_	200		_	21.	22.	0.19 22.			0.18 23.28	0.19		.15 21.24	.15 24.			0.11 21.93	.11 20.74	0.12 23.47		12 21 96	4 97 18	25	_	0.14 21.60		.23 22.23	.16 22.	.13 22.	9	0.17 24.80	77	-	0.11 11.	10 11.62	0.10	7		13 11	0.11 11.91	\perp		12.	0.11 12.		.13
As Ag (µg/g) (µg/g) 10.28 0.28 5.68 0.11	ļ	10.15			5.91			6.87		1.50									0.03		12.89	1.17				8.13			0.12					5.83	9.26	7.70		4.04	7.07			7.46 (7.30	7 30	6.72	678	6.42			6.92		7.04		0.33
Re (ng/g) (µ 2.91 1 3.00	L	7.76		1.90		2 28 1		2 20		2.40			2.38				_		2.38		3.85						2.50			,	-		2.62						2.84			2.20	2.47	2.60	2.81		2.84		2.72		3.08	3.07		5
U (mg/g) (1.95 2.08		1.21	2.74	1.24	1.38	1.36	151	132	1 44	135	C. L.	00.1	1.41	1.40	1.62	1.52	1.53	1.52	14.		1.24	1.27	1.19	1.30	1.08	1.08	1 20	1 22	1 24	2 82	1.56	143	1.40	1.47	1.68	1.32	1.63	1.68	1.63	20		1.56	1.46	04.	150	1,69	1.51	1.48	1.63	1.55	1.61	1.62		9
Mo (µg/g) 3.24 3.69		3.68																4.40									3.84															- 1										0.85		- 1
(ug/g) 0.19 5 0.03		0.10																			9 0.10	0.12	0.11	9 0.13	0.10	9 0.10	0.11	0 0	0 0	5 CS 62	8 00.02	5 0.14	3 0.13	5 0.14	9 0.17	4 0.13	5 0.14	9 0.17	9 0.16	<u>t</u>												0.26		
Ca (%) Ba (µg/g) Mn (µg/g) 1.88 617.36 535.40 1.92 644.36 551.25		589.01																			ľ						765.00															483.8	468.9	443.5	430.8	425.3	416.0	432.2	430.4	430.7	434.1	418.26		
ta (µg/g) 617.36 644.36		612.11	1035.51	611.99	628.57	543.85	634 22	61743	595.47	62172	27.120	288.82	603.19	628.24	609.72	600.36	622.19	614.41	393.40		518.92	563.48	517.46	545.15	521.11	515.00	550.57	560.66	543 93	1021 46	54103	539.03	542.21	546.12	547.45	544.82	557.43	552.29	570.31	300.12		425.59	439.81	444.55	460.00	465.29	452.76	460.44	459.18	459.43	463.85	450.80	7	0 1:00
Ca (%) B 1.88 1.92	į	1 08	1.58	1.99	2.05	1 69	2 05	00 0	20.0	2 10	2.10	7.07	2.11	2.26	5.09	2.07	2.14	2.09	Z. IO		1.61	1.73	1.60	1.69	1.60	1.57	1.68	1 72	1 74	4 27	1.57	1.61	1.61	1.58	1.61	1.60	1.66	1.57	1.68	60.		1.88	1.87	6 6	06:1	. 6	1.85	1.90	1.85	1.87	1.90	1.88	5	
Mg (%) 1.76 1.79	ļ	1.73																1.76				1.95					 8. 6																									1.38		
Fe (%) 1 4.63 9 4.72		4.36																3 4.44									4.92													† †	L											4.09		ı
AI (%) 0 7.51 9 7.69		7.18			3 7.43				2 7 08		- 1		2 7.26			- 1		1 7.36			ľ	76.7 0	Ė		7.37								8 7.67							0		8 6.84					7.23					7.25		ı
AVS (µmol/g) AI (%) Fe (%) p.s.) 20 7.51 4.63 19 7.69 4.72		0.05	0.6	1,1	S.	4	4	4	r	. A	4. 0	ا اه	7.	8	7.	-	7.	+ +			·:0	O	.0	0.	÷.	2.	5.6 12.8	1 4	5	200	212	27.0	39,	32.	37.	31.	33.	21.	339.	70.		0.0	0.2	0.0	0.5	0.0	2.7.	1.7	2.7	0.5	4.4	8.60		5
Sample Depth (cm) 35-40 40-45	Core 4									-10		71-01	4	9	8	0	5	25-30	00	Core 5									-10	6	4		9		2	0	2	0	40-45		Core 6									9-10	2	12-14	- c	,

Table 4: Continued.

				ı																				
Porosity	0.65	0.68	0.65		0.73	69.0	0.61	0.59	0.62	0.62	0.61	0.59	0.55	0.53	0.57	0.59	0.60	0.61	0.62	0.61	0.67	99.0	0.68	0.68
P (µg/g) Porosity	670.44	671.30	633.51		548.19	618.43	584.51	568.09	502.76	511.85	440.42	451.27	350.36	352.93	503.95	355.90	436.94	474.79	518.58	459.09	464.40	517.90	307.18	578.85
(pg/g)		2914.86				1637.49																	4347.25	
Ті (μg/g) S (μg/g)		4155.78 2				3166.65 1				2925.84			2200.96		3445.63 4	151.29 4	348.47 5	52.11 5	67.03	109.81	13.49 6	78.12 7	2082.04	61.93
_	2.71 4										Н												1.18 20	
	1.41	-	H		H		Н	Н	-	-	H	Н		-	H	Н		-	H		Н		0.73	
Hg F (ng/g)																							47.74	
	18.66																						19.17	
Pb 206/208 20		0.48				0.48				0.49													0.49	
Pb 206/207 20	1.20	1.19	1.20		1.20	1.20	1.20	1.21	1.20	1.21	1.21	1.21	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.22	1.22	1.23	1.22	1.22
Pb F (µg/g) 206	13.27																						5.11	
Zn F (ug/g) (ug	, 44	4.85	9.63																				45.54	
Cu Z (µg/g) (µ																							8.39 4	
Ni (mg/g)	32.45	32.88	30.71			40.05				41.18													23.59	
Cr (µg/g)	60.32	61.34	57.39		68.05	63.62	57.23	70.53	57.29	62.30	72.78	59.72	20.00	49.38	92.69	40.57	37.86	29.30	71.43	64.73	50.42	66.10	36.36	66.01
Co (µg/g) (11.93	11.84	11.57		10.09	11.05																	6.98	
Ag ug/g)	0.12	0.12	0.11			0.09				80.0													0.21	
As (µg/g) (6.54	6.84	6.50		5.92	6.24	5.71	6.90	6.75	6.24	6.17	5.40	4.37	5.04	7.42	6.19	8.40	8.90	8.94	6.34	5.98	7.21	4.45	7.95
Re (ng/g) (2.91	2.58	2.74		2.43	3.26	2.63	3.12	2.92	3.13	2.86	2.44	2.24	2.61	5.34	4.97	7.22	6.47	5.60	3.34	2.83	3.65	2.08	3.82
U ug/g)	1.62	1.44	1.55		66.0	1.21	1.25	1.69	1.33	1.45	1.26	1.20	1.11	1.23	2.03	1.75	2.04	2.28	2.02	1.48	1.51	1.57	1.00	2.00
Mo (µg/g)	96.0	0.85	0.77																				1.39	
Cd µg/g)	0.24	0.23	0.25		0.13	0.13	0.18	0.20	0.16	0.15	0.10	0.13	0.11	0.11	0.14	0.13	0.14	0.13	0.11	0.14			0.12	
In (µg/g)	413.65	428.12	412.40		438.89	471.59	426.35	450.42	361.48	357.33	362.91	336.62	278.75	289.23	425.44	303.18	337.63	389.59	490.27	394.70	375.33	414.86	233.81	441.60
(р/gл) n	453.59	467.43	457.61		369.83	407.26	424.50	468.84	384.05	402.10	381.99	355.43	317.51	332.57	472.17	333.13	355.29	406.56	460.35	363.41	365.37	415.18	239.21	452.81
a (%) Ba	1.90	1.93	1.95		1.27	1.45	1.50	1.59	1.30	1.32			1.00				1.15	1.31	1.50	1.36	1.50		1.08	
Mg (%)	1.36	1.44	1.37		1.06	1.17	1.20	1.31	1.04	1.12	1.05	0.98	0.84	0.87	1.28	0.92							0.83	
e (%)	4.03	4.21	4.04		2.83	3.20	3.25	3.48	3.14	2.93	2.82	2.66	2.22	2.35	3.49	2.54	2.97	3.28	3.68				2.13	
N (%) F	7.23	7.50	7.33		4.68	5.26	5.46	5.99	4.90	5.08	4.85	4.52	3.80	4.00	00.9	4.19	4.80	5.43	60.9	5.02	5.03	2.87	3.35	6.33
AVS (μmol/g // p.s.)	9.72	29.40	20.20																					
Sample Depth AVS (µmol/g AI (%) Fe (%) Mg Ca (%) Ba (µg/g) Mn (µg/g) (cm) p.s.)	25-30	30-35	40-45	Core 7	0-1	1-2	2-3	3-4	4-5	2-6	2-9	2-8	8-9	9-10	10-12	12-14	14-16	16-18	18-20	20-25	25-30	30-35	35-40	40-44

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

Sample Depth	Total N	Total C	Total	Total Org	Org C/N	δ^{15} N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C (%)	C (%)		air	PDB
			(/0)				
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 9-10	0.457	3.848	0.036	3.811	8.348	6.220	-21.335
9-10 10-12	0.457	3.898	0.032	3.867 3.790	8.460	6.359	-21.423
12-14	0.445 0.436	3.827 3.736	0.037 0.031	3.790	8.521 8.505	6.373 6.411	-21.336 -21.160
14-16	0.438	3.730	0.031	3.669	8.375	6.059	-21.100
16-18	0.430	3.694	0.041	3.653	8.273	6.568	-21.144
18-20	0.442	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	-20.765
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		7.606	6.770	-20.006
Core 2							
0-1	0.158	1.677	0.090		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		10.861	4.690	-24.222
5-6	0.138	1.639	0.114		11.020	4.442	-24.119
6-7	0.137	1.587	0.094		10.859	4.839	-23.940 -23.961
7-8 8-9	0.134 0.138	1.596 1.560	0.110		11.104 10.672	4.532	-23.961
			0.091			4.345	
9-10	0.136	1.570	0.109		10.770	4.448	-24.078
10-12	0.130	1.558	0.085		11.339	4.480	-24.200
12-14	0.125	1.533	0.117		11.323	4.385	-24.076
14-16	0.111	1.434	0.085		12.103	4.247	-24.173
16-18	0.108	1.389	0.115		11.820	4.279	-24.209
18-20 20-25	0.115 0.111	1.484 1.394	0.095 0.115		12.107 11.560	4.400 4.274	-24.110 -24.167
20-25 25-30	0.111						
30-35	0.106	1.216 1.112	0.081 0.094		10.723 10.322	4.377 4.738	-23.648 -23.782
JU-JU	0.099	1.112	0.094	1.018	10.322	4./38	-23.162

Table 5: Continued.

Sample Depth	Total N	Total C	Total	Total Org	Org C/N	$\delta^{\scriptscriptstyle 15}$ N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C	C (%)		air	PDB
, ,			(%)				
35-40	0.094	0.978	0.096		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		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		11.011	3.448	-24.630
10-12	0.087	1.114	0.162		10.898	3.367	-24.756
12-14	0.084	1.069	0.181		10.588	3.307	-24.655
14-16	0.084	1.078	0.165		10.816	3.365	-24.649
16-18	0.081	1.107	0.144		11.841	3.342	-24.588
18-20	0.081	1.079	0.152		11.473	3.343	-24.699
20-25	0.081	1.112	0.185		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		11.008	3.371	-24.774
Ა ∪- Ა Ე	0.083	1.089	0.176	0.913	11.008	3.3 <i>1</i> T	-24.774

Table 5: Continued.

Sample Depth	Total N	Total C	Total	Total Org	Org C/N	$\delta^{\scriptscriptstyle 15}$ N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C	C (%)	· ·	air	PDB
(CIII)			(%)			4	
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		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		8.596	5.635	-22.618
5-6	0.192	1.804	0.111		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		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		8.685	5.957	-22.754
18-20	0.183	1.718	0.083		8.956	5.510	-22.766
20-25	0.180	1.714	0.101		8.967	5.537	-22.949
25-30	0.175	1.687	0.085		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	Total N	Total C	Total	Total Org	Org C/N	δ^{15} N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C	C (%)		air	PDB
. ,		, ,	(%)	` ,		ų.	. 55
Core 7							
0-1	0.131	1.149	0.109		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		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	
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		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		7.886	6.56	
35-40	0.172	1.383	0.048		7.756	6.48	
40-45	0.165	1.364	0.061		7.907	6.53	
45-50	0.164	1.339	0.052		7.828	6.65	

Table 5: Continued.

Sample Depth	Total N	Total C	Total	Total Org	Org C/N	$\delta^{\scriptscriptstyle 15}$ N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C	C (%)		air	PDB
` '		` '	(%)	` '		4	
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	Total N	Total C	Total	Total Org	Org C/N	C15N1	\$130
-	(%)	(%)	Carb C	C (%)	Olg C/N	$\delta^{\scriptscriptstyle 15}$ N vs	δ^{13} Corg vs
(cm)	(70)	(70)	(%)	C (78)		air	PDB
			(/0)				
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		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		8.238	7.09	-21.44
7-8	0.313	2.682	0.058		8.381	7.12	-21.49
8-9	0.304	2.612	0.059		8.392	7.35	-21.49
9-10	0.298	2.636	0.075		8.606	7.11	-21.56
10-12	0.310	2.662	0.066		8.385	7.19	-21.59
12-14	0.287	2.593	0.065		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		8.412	7.11	-21.21
20-25	0.312	2.590	0.070		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	

Table 5: Continued.

Sample Depth	Total N	Total C	Total	Total Org	Org C/N	δ^{15} N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C	C (%)	Org Ont	air	PDB
(CIII)	(70)	(,,,,	(%)	G (76)		all	PDB
			(707				
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
Coro 17							
Core 17	0.00=	0.404	0.40.1	0.000		0.000	00.0=
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.

Come (%) Carb C (%) C (%) air PDB Core 17 Continued 6-7 0.261 2.223 0.108 2.115 8.092 6.299 -2 7-8 0.257 2.232 0.146 2.086 8.121 6.276 -2 8-9 0.249 2.218 0.160 2.058 8.277 6.121 -2 9-10 0.249 2.210 0.181 2.029 8.151 6.211 -2 10-12 0.248 2.213 0.137 2.076 8.385 5.875 -2 12-14 0.245 2.153 0.130 2.023 8.249 5.964 -2 14-16 0.229 2.025 0.122 1.903 8.308 6.312 -2 16-18 0.233 2.086 0.150 1.935 8.307 5.894 -2 18-20 0.227 2.043 0.144 1.899 8.371 6.186 -2 20-25 <t< th=""><th>Sample Depth</th><th>Total N</th><th>Total C</th><th>Total</th><th>Total Org</th><th>Org C/N</th><th>δ^{15}N vs</th><th>\$1300</th></t<>	Sample Depth	Total N	Total C	Total	Total Org	Org C/N	δ^{15} N vs	\$1300
Core 17 Continued 6-7						Olg On		δ^{13} Corg vs
Core 17 Continued 6-7	(cm)	(70)	(70)		3 (70)		air	PDB
6-7				(70)				
7-8	Core 17 Co	ntinued						
8-9 0.249 2.218 0.160 2.058 8.277 6.121 -2 9-10 0.249 2.210 0.181 2.029 8.151 6.211 -2 10-12 0.248 2.213 0.137 2.076 8.385 5.875 -2 12-14 0.245 2.153 0.130 2.023 8.249 5.964 -2 14-16 0.229 2.025 0.122 1.903 8.308 6.312 -2 16-18 0.233 2.086 0.150 1.935 8.307 5.894 -2 18-20 0.232 2.124 0.180 1.944 8.366 6.161 -2 20-25 0.227 2.043 0.144 1.899 8.371 6.186 -2 20-25 0.227 2.043 0.144 1.899 8.371 6.186 -2 25-30 0.219 2.052 0.168 1.884 8.374 6.227 -2 30-35 0.2	6-7	0.261		0.108		8.092	6.299	-21.18
9-10								-21.22
10-12								-21.43
12-14								-21.65
14-16 0.229 2.025 0.122 1.903 8.308 6.312 -2 16-18 0.233 2.086 0.150 1.935 8.307 5.894 -2 18-20 0.232 2.124 0.180 1.944 8.366 6.161 -2 20-25 0.227 2.043 0.144 1.889 8.371 6.186 -2 25-30 0.219 2.052 0.164 1.888 8.627 6.092 -2 30-35 0.225 2.052 0.168 1.884 8.374 6.227 -2 35-40 0.210 1.903 0.129 1.774 8.439 6.054 -2 45-50 0.200 1.712 0.111 1.601 7.993 6.605 -2 Core 18 0-1 0.081 1.318 0.635 0.682 8.478 6.454 -2 1-2 0.090 1.379 0.512 0.867 9.591 6.2 -2								-21.76
16-18 0.233 2.086 0.150 1.935 8.307 5.894 -2 18-20 0.232 2.124 0.180 1.944 8.366 6.161 -2 20-25 0.227 2.043 0.144 1.899 8.371 6.186 -2 25-30 0.219 2.052 0.168 1.884 8.374 6.227 -2 35-40 0.210 1.903 0.129 1.774 8.439 6.054 -2 40-45 0.206 1.808 0.132 1.676 8.138 6.26 -2 45-50 0.200 1.712 0.111 1.601 7.993 6.605 -2 Core 18 Core 18 Core 18 Core 18 0-1 0.081 1.318 0.635 0.682 8.478 6.454 -2 2-3 0.073 1.127 0.565 0.562 7.654 6.224 -2								-21.65
18-20 0.232 2.124 0.180 1.944 8.366 6.161 -2 20-25 0.227 2.043 0.144 1.899 8.371 6.186 -2 25-30 0.219 2.052 0.164 1.888 8.627 6.092 -2 35-40 0.210 1.903 0.129 1.774 8.439 6.054 -2 40-45 0.206 1.808 0.132 1.676 8.138 6.26 -2 45-50 0.200 1.712 0.111 1.601 7.993 6.605 -2 Core 18 0-1 0.081 1.318 0.635 0.682 8.478 6.454 -2 2-3 0.073 1.127 0.565 0.562 7.654 6.224 -2 2-3 0.073 1.127 0.565 0.562 7.654 6.224 -2 3-4 0.076 1.299 0.693 0.606 8.013 6.489 -2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-21.62</td>								-21.62
20-25 0.227 2.043 0.144 1.899 8.371 6.186 -2 25-30 0.219 2.052 0.164 1.888 8.627 6.092 -2 30-35 0.225 2.052 0.168 1.884 8.374 6.227 -2 35-40 0.210 1.903 0.129 1.774 8.439 6.054 -2 40-45 0.206 1.808 0.132 1.676 8.138 6.26 -2 45-50 0.200 1.712 0.111 1.601 7.993 6.605 -2 Core 18 0-1 0.081 1.318 0.635 0.682 8.478 6.454 -2 1-2 0.090 1.379 0.512 0.867 9.591 6.2 -2 2-3 0.073 1.127 0.565 0.562 7.654 6.224 -2 3-4 0.076 1.299 0.693 0.606 8.013 6.489 -2								-21.78
25-30								-21.91
30-35								-21.81
35-40								-21.81
40-45 0.206 1.808 0.132 1.676 8.138 6.26 -2 45-50 0.200 1.712 0.111 1.601 7.993 6.605 -2 Core 18 0-1 0.081 1.318 0.635 0.682 8.478 6.454 -2 1-2 0.090 1.379 0.512 0.867 9.591 6.2 -2 2-3 0.073 1.127 0.565 0.562 7.654 6.224 -2 3-4 0.076 1.299 0.693 0.606 8.013 6.489 -2 4-5 0.073 0.929 0.448 0.551 7.654 5.959 -2 5-6 0.072 0.999 0.448 0.551 7.654 5.959 -2 6-7 0.072 1.747 1.176 0.571 7.904 6.324 -2 7-8 0.076 1.299 0.648 0.652 8.597 5.856 -2 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-21.94</td></tr<>								-21.94
Core 18 O-1								-21.78
Core 18 Core 18 Core 18 Core 18 Core 18 Core 18 Core 18 Core 18 Core 19 Core								-21.60
0-1 0.081 1.318 0.635 0.682 8.478 6.454 -2 1-2 0.090 1.379 0.512 0.867 9.591 6.2 -2 2-3 0.073 1.127 0.565 0.562 7.654 6.224 -2 3-4 0.076 1.299 0.693 0.606 8.013 6.489 -2 4-5 0.073 0.929 0.366 0.563 7.732 6.152 -2 5-6 0.072 0.999 0.448 0.551 7.654 5.959 -2 6-7 0.072 1.747 1.176 0.571 7.904 6.324 -2 7-8 0.076 1.299 0.648 0.652 8.597 5.856 -2 8-9 0.071 0.919 0.313 0.606 8.477 5.92 -2 9-10 0.067 0.948 0.379 0.568 8.427 6.055 -2 10-11 0.065 <td< td=""><td>45-50</td><td>0.200</td><td>1.712</td><td>0.111</td><td>1.601</td><td>7.993</td><td>6.605</td><td>-21.27</td></td<>	45-50	0.200	1.712	0.111	1.601	7.993	6.605	-21.27
1-2 0.090 1.379 0.512 0.867 9.591 6.2 -2 2-3 0.073 1.127 0.565 0.562 7.654 6.224 -2 3-4 0.076 1.299 0.693 0.606 8.013 6.489 -2 4-5 0.073 0.929 0.366 0.563 7.732 6.152 -2 5-6 0.072 0.999 0.448 0.551 7.654 5.959 -2 6-7 0.072 1.747 1.176 0.571 7.904 6.324 -2 7-8 0.076 1.299 0.648 0.652 8.597 5.856 -2 8-9 0.071 0.919 0.313 0.606 8.477 5.92 -2 9-10 0.067 0.948 0.379 0.568 8.427 6.055 -2 10-11 0.065 0.836 0.270 0.566 8.673 5.869 -2 12-13 0.068 <	Core 18							
2-3	0-1	0.081	1.318	0.635	0.682	8.478	6.454	-22.21
3-4	1-2	0.090	1.379	0.512	0.867	9.591	6.2	-22.70
4-5 0.073 0.929 0.366 0.563 7.732 6.152 -2 5-6 0.072 0.999 0.448 0.551 7.654 5.959 -2 6-7 0.072 1.747 1.176 0.571 7.904 6.324 -2 7-8 0.076 1.299 0.648 0.652 8.597 5.856 -2 8-9 0.071 0.919 0.313 0.606 8.477 5.92 -2 9-10 0.067 0.948 0.379 0.568 8.427 6.055 -2 10-11 0.065 0.836 0.270 0.566 8.673 5.869 -2 11-12 0.068 0.896 0.298 0.598 8.833 5.832 -2 12-13 0.066 0.789 0.216 0.573 8.629 5.701 -2 13-14 0.068 0.869 0.265 0.610 8.968 5.697 -2 15-16 0.072	2-3	0.073	1.127	0.565	0.562	7.654	6.224	-22.19
5-6 0.072 0.999 0.448 0.551 7.654 5.959 -2 6-7 0.072 1.747 1.176 0.571 7.904 6.324 -2 7-8 0.076 1.299 0.648 0.652 8.597 5.856 -2 8-9 0.071 0.919 0.313 0.606 8.477 5.92 -2 9-10 0.067 0.948 0.379 0.568 8.427 6.055 -2 10-11 0.065 0.836 0.270 0.566 8.673 5.869 -2 11-12 0.068 0.896 0.298 0.598 8.833 5.832 -2 12-13 0.066 0.789 0.216 0.573 8.629 5.701 -2 13-14 0.068 0.869 0.265 0.610 8.968 5.697 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071	3-4	0.076	1.299	0.693	0.606	8.013	6.489	-22.44
6-7 0.072 1.747 1.176 0.571 7.904 6.324 -2 7-8 0.076 1.299 0.648 0.652 8.597 5.856 -2 8-9 0.071 0.919 0.313 0.606 8.477 5.92 -2 9-10 0.067 0.948 0.379 0.568 8.427 6.055 -2 10-11 0.065 0.836 0.270 0.566 8.673 5.869 -2 11-12 0.068 0.896 0.298 0.598 8.833 5.832 -2 12-13 0.066 0.789 0.216 0.573 8.629 5.701 -2 13-14 0.068 0.875 0.265 0.610 8.968 5.697 -2 14-15 0.068 0.869 0.260 0.609 9.001 5.696 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 <td>4-5</td> <td>0.073</td> <td>0.929</td> <td>0.366</td> <td>0.563</td> <td>7.732</td> <td>6.152</td> <td>-22.21</td>	4-5	0.073	0.929	0.366	0.563	7.732	6.152	-22.21
7-8 0.076 1.299 0.648 0.652 8.597 5.856 -2 8-9 0.071 0.919 0.313 0.606 8.477 5.92 -2 9-10 0.067 0.948 0.379 0.568 8.427 6.055 -2 10-11 0.065 0.836 0.270 0.566 8.673 5.869 -2 11-12 0.068 0.896 0.298 0.598 8.833 5.832 -2 12-13 0.066 0.789 0.216 0.573 8.629 5.701 -2 13-14 0.068 0.875 0.265 0.610 8.968 5.697 -2 14-15 0.068 0.869 0.260 0.609 9.001 5.696 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081<	5-6	0.072		0.448	0.551	7.654	5.959	-22.34
8-9				1.176	0.571	7.904	6.324	-22.03
9-10	7-8	0.076	1.299		0.652	8.597	5.856	-22.44
10-11 0.065 0.836 0.270 0.566 8.673 5.869 -2 11-12 0.068 0.896 0.298 0.598 8.833 5.832 -2 12-13 0.066 0.789 0.216 0.573 8.629 5.701 -2 13-14 0.068 0.875 0.265 0.610 8.968 5.697 -2 14-15 0.068 0.869 0.260 0.609 9.001 5.696 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2	8-9	0.071	0.919	0.313	0.606	8.477	5.92	-22.60
11-12 0.068 0.896 0.298 0.598 8.833 5.832 -2 12-13 0.066 0.789 0.216 0.573 8.629 5.701 -2 13-14 0.068 0.875 0.265 0.610 8.968 5.697 -2 14-15 0.068 0.869 0.260 0.609 9.001 5.696 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2								-22.58
12-13 0.066 0.789 0.216 0.573 8.629 5.701 -2 13-14 0.068 0.875 0.265 0.610 8.968 5.697 -2 14-15 0.068 0.869 0.260 0.609 9.001 5.696 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2								-22.69
13-14 0.068 0.875 0.265 0.610 8.968 5.697 -2 14-15 0.068 0.869 0.260 0.609 9.001 5.696 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2	11-12	0.068			0.598	8.833	5.832	-22.84
14-15 0.068 0.869 0.260 0.609 9.001 5.696 -2 15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2								-23.00
15-16 0.072 0.939 0.297 0.642 8.933 5.721 -2 16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2								-22.81
16-17 0.071 0.935 0.304 0.631 8.864 5.654 -2 17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2 Core 19								-22.75
17-18 0.081 1.027 0.332 0.695 8.625 5.537 -2 18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2 Core 19								-23.01
18-19 0.088 0.976 0.268 0.708 8.044 5.778 -2 Core 19								-23.05
Core 19								-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 -2	0-1	0.5	0.166	1.599	0.083	1.516	9.142	-22.85
								-22.75
								-21.84
								-22.23
							8.942	-22.55

Table 5: Continued.

Commis Donath	Total N	TatalO	Tatal	Tatal O	O O/N	015	012 -
Sample Depth	Total N	Total C	Total	Total Org	Org C/N	$\delta^{\scriptscriptstyle 15}$ N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C	C (%)		air	PDB
			(%)				
0 10 0-	4!						
Core 19 Co							
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
00							
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 0.163	1.443	0.072	1.371 1.312	8.201	6.29	-21.64
30-35 35-40		1.374	0.062	1.312	8.036 7.796	6.44 6.48	-21.48
40-45	0.165 0.163	1.352 1.380	0.067 0.066	1.205	8.083	6.58	-21.45 -21.55
50-55	0.185	1.687	0.000	1.616	8.720	6.06	-21.55
50-55	0.100	1.007	0.072	1.010	0.720	0.00	-22.10
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	Total N	Total C	Total	Total Org	Org C/N	δ^{15} N vs	δ^{13} Corg vs
(cm)	(%)	(%)	Carb C	C (%)	0.9 0///	air	PDB
(OIII)	(,,,	(/-/	(%)	- (/-/		ali	FDB
	•	•	•		•		
Core 21 Co	ontinued						
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.

99 50 48 UTC Z000311013 00.00 Z000311102 00.00 Z000311102 00.00 Z000311102 00.00 Z000311102 00.00 Z00031102 00.00 Z00000 Z0000	Trap Serial No.		depth (m)	off bottom (m)	from surface (m)	zone	yyyy/mm/dd hh:mm (UTC)	yyyy/mm/dd hh:mm (UTC)	yyyy/mm/dd hh:mm (UTC)	(ОТС)	(ОТС)	(days)	tube (cm)	#	wt (all tubes and cups) (grams)
49 UTC 2002/11/124 0000 2002/11/12	66	66		50	49	UTC		2003/11/03 00:00	2003/10/23 12:00	286.00	307.00	21.00	5.5	,	6.8526
49 UTC 2003/11/216 0000 2004/01/26 0000 2004/01/26 1200 349.00 21100 6.5 9 4 49 UTC 2004/01/26 0000 2004/01/26 0000 2004/01/26 1200 349.00 21.00 4.5 6 6 49 UTC 2004/01/26 0000 2004/01/26 0000 2004/01/26 1200 412.00 21.00 4.5 6 6 49 UTC 2004/01/26 0000 2004/01/26 0000 2004/01/26 1200 412.00 21.00 4.0 6 6 49 UTC 2004/01/26 0000 2004/01/26 0000 2004/01/26 1200 412.00 21.00 10.0 6 0 49 UTC 2004/01/26 0000 2004/01/26 0000 2004/01/26 1200 412.0 0 21.00 10.0 10.0 6 49 UTC 2004/01/26 0000 2004/01/26 0000 2004/01/26 1200 412.0 0 21.00 10.0 10.0 6 49 UTC 2004/01/26 0000 2004/01/26 0000 2004/01/26 1200 412.0 0 21.00 10.0 10.0 10.0 10.0 10.0 10	2 99	66		50	49	UTC		2003/11/24 00:00	2003/11/13 12:00	307.00	328.00	21.00	3.0	2	3.6810
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49 UTC 2004/01/10/8 0.000 2004/01/16 12/00 391 00 21100 415 6 49 UTC 2004/01/10/8 0.000 2004/01/16 12/00 391 00 412 00 21100 45 0 49 UTC 2004/02/16 0.000 2004/02/16 0.000 2004/02/16 12/0 412 00 2100 120 7 49 UTC 2004/02/16 0.000 2004/02/16 0.000 2004/02/16 12/0 445 00 21100 110 9 49 UTC 2004/02/16 0.000 2004/02/18 12/0 450 00 2100 110 9 79 UTC 2004/02/18 0.000 2004/07/18 0.000 2	4 99	66		20	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
49 UTC 2004/001/126 00.00 2004/0016 12:00 412.00 21.00 41.0 40 49 UTC 2004/001/126 00.00 2004/001/126 12:00 2004/001/126 00.00		66		20	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	2	6.4711
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49 UTC 2004/00/478 00:000 2004/04/19 00:000 2004/04/19 00:000 449 UTC 2004/04/19 00:000 2004/04/19 00:000 445 00 475 00 21 00 11 0 9 79 UTC 2004/04/13 00:00 2004/04/12 10:20 2004/04/12 10:20 340 00 270 00 21 00 125 0 2 79 UTC 2003/11/12 00:00 2003/11/12 00:00 2003/11/12 10:00 2003/11/12 10:00 120 0 150 10 79 UTC 2003/11/12 00:00 2003/12/12 00:00 2003/12/12 00:00 2004/04/12 00:00 2004/04/12 00:00 10 150 10 79 UTC 2004/04/12 00:00 2004/04/12 10:00 2004/04/12 10:00 2004/04/12 10:00 110 110 110 10	8 8	66		20	49	UTC	2004/03/08 00:00	2004/03/29 00:00	2004/03/18 12:00	433.00	454.00	21.00	0.9	8	6.3599
49 UTC 2004/01/18 00:000 2004/01/18 15:00 247:00 47.5 10 79 UTC 2004/31/18 00:00 2004/01/18 00:00 2004/01/18 00:00 2004/01/18 00:00 2004/01/18 00:00 2004/01/18 00:00 2004/01/18 00:00 2004/01/18 00:00 10 15 2 1 79 UTC 2003/11/18 00:00 2003/11/18 00:00 2003/11/18 12:00 380.00 21:00 12.5 2 3 79 UTC 2003/11/18 00:00 2004/01/18 00:00 2004/01/18 12:00 380.00 21:00 13:0 4 79 UTC 2004/01/18 00:00 2004/01/18 12:00 380.00 21:00 13:0 4 79 UTC 2004/01/18 00:00 2004/01/18 12:00 391.00 21:00 13:0 4 79 UTC 2004/01/18 00:00 2004/01/18 12:00 2004/01/18 12:00 445.00 21:00 12:0 4 79 UTC 2004/01/18 00:00 2004/01/18 12:0 21:0 445.00 21:0 15:0 4		66		20	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	6	11.0074
79 UTC 2003/10/13 00:00 2003/11/13 00:00 2003/11/13 00:00 2003/11/13 00:00 2003/11/13 00:00 2003/11/13 00:00 210 13.0 11 79 UTC 2003/11/12 00:00 2003/11/12 00:00 2003/11/12 00:00 13.0 15.0 4 79 UTC 2003/11/12 00:00 2003/11/12 00:00 2003/11/12 00:00 13.0 15.0 4 79 UTC 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 10.0 15.0 4 79 UTC 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 10.0 17.0 9 79 UTC 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 10.0 10.0 15.0 17.0 9 79 UTC 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 10.0 17.0 9 79 UTC 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 2004/01/12 00:00 10.0 11.0 17.0	10	66		20	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
79 UTC 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 2003/11/24 00:00 100 100 110 4 2 7 4 10 2003/11/24 00:00	87302A 1 99	66	_	20	6/	UTC		2003/11/03 00:00	2003/10/23 12:00	286.00	307.00	21.00	13.0	,	16.6260
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79 UTC 2004/01/56 00:00 2004/01/16 12:00 370 00 381 00 21 00 13.0 5 79 UTC 2004/01/26 00:00 2004/02/16 12:00 472.00 410.00 11.0 7 79 UTC 2004/03/18 00:00 2004/03/18 12:00 445.00 21.00 17.0 9 79 UTC 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 12:00 445.00 21.00 17.0 9 190 UTC 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 12:00 445.00 21.00 17.0 9 190 UTC 2004/03/18 00:00 2004/04/18 10:00	87302A 4 99	66	_	20	6/	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
79 UTC 2004/01/26 00:000 2004/02/36 12:00 391 00 412 00 412 00 412 00 410 0 412 00 410 0 <th< td=""><td>2</td><td>66</td><td></td><td>20</td><td>6/</td><td>UTC</td><td></td><td>2004/01/26 00:00</td><td>2004/01/15 12:00</td><td>370.00</td><td>391.00</td><td>21.00</td><td>13.0</td><td>2</td><td>19.3953</td></th<>	2	66		20	6/	UTC		2004/01/26 00:00	2004/01/15 12:00	370.00	391.00	21.00	13.0	2	19.3953
79 UTC 2004/02/16 00:00 2004/03/26 00:00 2004/02/16 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 11.0 7 79 UTC 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 00:00 2004/04	9	66		20	6/	UTC		2004/02/16 00:00	2004/02/05 12:00	391.00	412.00	21.00	10.5	9	14.4196
79 UTC 2004/03/08 00.00 2004/04/18 00.00 2004/04/18 12:00 433.00 454.00 21.00 17.5 8 79 UTC 2004/03/29 00:00 2004/04/18 00:00 2004/04/18 12:00 2004/04/18 21:00 10.0 17.0 9 190 UTC 2004/03/29 00:00 2004/04/18 00:00 <td>7</td> <td>66</td> <td></td> <td>20</td> <td>6/</td> <td>UTC</td> <td></td> <td>2004/03/08 00:00</td> <td>2004/02/26 12:00</td> <td>412.00</td> <td>433.00</td> <td>21.00</td> <td>11.0</td> <td>7</td> <td>16.1178</td>	7	66		20	6/	UTC		2004/03/08 00:00	2004/02/26 12:00	412.00	433.00	21.00	11.0	7	16.1178
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220 UTC 2004/01/05 00:00 2003/12/15 00:00 2003/12/15 00:00 2003/12/15 00:00 4 4 220 UTC 2004/01/05 00:00 2004/01/16 00:00 2004/01/15/12:00 370.00 370.00 21.00 18.0 4 220 UTC 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/18 00:00 2004/02/1	718106 3 239.8	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
20 220 UTC 2004/01/05 00:00 2004/01/15 12:00 370.00 391.00 21.00 21.0 5 20 220 UTC 2004/01/126 00:00 2004/02/16 00:00 2004/02/126 12:00 412.00 412.00 21.00 5.0 6 20 220 UTC 2004/01/16 00:00 2004/02/126 12:00 472.00 453.00 21.00 0.5 7 20 220 UTC 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 12:00 454.00 21.00 0.5 7 20 220 UTC 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 12:00 454.00 21.00 0.5 7 20 220 UTC 2004/03/18 00:00 2004/03/18 00:00 2004/03/18 12:00 454.00 454.00 21.00 0.2 9 20 220 UTC 2004/03/19 00:00 2004/04/18 16:00 2004/04/18 16:00 454.00 456.00 21.00 0.2 9 20 220 UTC 2004/04/18 16:0	4 239.8	239.8	Г	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
20 220 UTC 2004/01/26 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/16 00:00 2004/02/18 10:00 412.00 412.00 21.00 0.5 7 7 20 220 UTC 2004/02/30/80 00:00 2004/02/18 00:00 2004/02/18 10:00 456.00 475.00 21.00 1.0 8 20 220 UTC 2004/03/19 00:00 2004/03/19 00:00 2004/03/18 10:00 456.00 21.00 1.0 8 20 220 UTC 2004/03/19 00:00 2004/03/19 00:00 2004/03/18 10:00 456.00 21.00 21.00 0.2 9 20 220 UTC 2004/04/19 00:00 2004/04/19 00:00 2004/04/23 20:20 475.00 475.00 21.00 0.2 9	2	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	2	28.5045
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 20 220 UTC 2004/03/29 00:00 2004/03/29 00:00 2004/03/18 12:00 433.00 454.00 21.00 1.0 8 20 220 UTC 2004/03/29 00:00 2004/04/19 00:00 2004/04/23 20:20 2004/04/23 20:20 456.00 475.00 21.00 0.2 9 20 UTC 2004/04/19 00:00 2004/04/23 16:40 2004/04/23 20:20 475.00 484.69 9:69 4.8 10	9	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	2.0	9	5.6603
20 220 UTC 2004/03/98 00:00 2004/03/29 00:00 2004/03/18 12:00 433.00 454.00 27.00 21.00 1.0 8 20 220 UTC 2004/03/29 00:00 2004/04/19 00:00 2004/04/23 20:20 2004/04/23 20:20 476.00 476.00 484.69 9.69 4.8 10	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
20 220 UTC 2004/03/29 00:00 2004/04/19 00:00 2004/04/04/23 16:40 2004/04/23 20:20 455.00 455.00 468.69 9.69 4.8 10	8	239.8	3	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
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	6	239.8	~	20	220	UTC		2004/04/19 00:00	2004/04/08 12:00	454.00	475.00	21.00	0.2	6	0.3012
	718106 10 239.8	239.8	Н	20	220	UTC		2004/04/28 16:40	2004/04/23 20:20	475.00	484.69	69.6	4.8	10	1.0929

Table 6: Continued.

Cup #	Fraction of sample rinsed, dried and weighed	Fraction reserved for contaminant analysis	Fraction archived wet	(grams)	TDW_salt_ corr	Baker trap collection area (m²)	TDW flux (g m ⁻² d ⁻¹)	TDW_flux_ NaCl_corre cted	avg %N_total	/ N_total_flux (mg/m²/day)	avg %C_total	* C_total_flux (mg/m²/day)	avg %C_inorg_ flux	C_inorg_flux (mg/m²/day)	%org C
H,				0	0100	0000	0,00	0,00			0,0	1100		0,0	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
4 0	0.9		0.25	10.4206	-	0.0320	20 0430	10.9422	0.10	10.9111	1.034	161.179		0.131	1.300
2 4	0.5			13.7923			20.5243	20.002	0.155	31.7898		335.570		21.745	1.532
. 2	0.5	0.25	0.25	12.9422	12.9289		19.2593	19.2395	0.197	37.9774	1.976	380.559		20.014	1.872
9	0.5			9.8444	9.8318		14.6494	14.6307	0.153	22.4013	1.755	257.111		12.771	1.668
7	0.5		0.25	32.6747	32.6411		48.6231	48.5731	* 0.174	84.8267	1.733 *	* 842.631		55.424	1.619
8	0.5		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
6	0.5		0.25	22.0148			32.7601	32.7229	0.198	64.9702	1.817	595.390	* 0.0948	31.046	1.723
10	0.5	0.25	0.25	6.9934		0.0320	22.7173	22.6796	0.221	50.2277	2.071	470.493	0.0630	14.308	2.008
_	0.5		0.25	33.2519	(,)		49.4821	49.4233	0.190	94.1269	1.792	886.694		56.954	1.677
2	0.5		0.25	36.1495		0.0320	53.7939	53.7478	0.176	94.8338	1.729	930.358	0.1155 *	62.121	1.614
3	0.5		0.25	59.3672			88.3440	88.2491	* 171	151.1854	1.729	1527.667	0.1092	96.472	1.620
4	0.5	0.25	0.25	53.3179	53.2698		79.3421	79.2706	0.153	121.1193	1.606	1274.393		96.797	1.484
2	0.5		0.25	38.7906		0.0320	57.7241	57.6786	0.170	98.1632	1.724	994.993	0.1320	76.196	1.592
9	0.5		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
7	0.5		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
8	0.5		0.25	31.3580	31.3160		46.6637	46.6011	0.194	90.5558	1.799	839.398		64.209	1.661
6	0.5	0.25	0.25	36.4442	36.4035		54.2324	54.1718	0.220	119.5757	1.912	1036.991	0.1060	57.486	1.806
10	0		0.25			0.0320									
Ψ	0.5		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
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
က	0.5		0.25	22.3900			33.3184	33.2698	0.233	77.7310	2.096	698.503	0.0885	29.480	2.008
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
2	0.5		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
9	0.5		0.25	5.9873	5.9783		9606.8	8.8963	0.238	21.2340	2.202	196.156	0.0590	5.256	2.143
7	0.5		0.25	19.9580	19.9345		29.6994	29.6644	0.222	65.8732	2.033	603.839	0.0482	14.301	1.985
8	9.0	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
6	0.5		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
10	0.5		0.25	6.4066		0.0320	20.6516	20.6236	0.240	49.5683	2.107	435.205	0.0555	11.466	2.052
—	9.0		0.25	72.1299		0.0320	107.3361	107.2309	0.164	175.7821	1.681	1804.350		114.100	1.575
2	0.5	0.25	0.25	11.6195	11.6195		17.2910	17.2910	0.212	36.7397	2.019	349.170		15.534	1.930
က	0.5		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
4	0.5		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
2	0.5		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
9	0.5	0.25	0.25	11.3206	11.3091	0.0320	16.8461	16.8290	0.217	36.5003		335.071	0.0558	9:395	1.933
7	1	0	0	0.9797	0.9797	0.0320	1.4579	1.4579	0.247	3.5991		32.815		0.725	2.201
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
6	1	0	0	0.3012	0.3012		0.4482	0.4482	0.253	1.1337		10.446		0.195	2.287
10	ļ	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.

Mo (mg/g)	1.50	1.36	1.19	96.0	1.27	1.17	1.08	1.01	1.19	1.25	1.27	1.42	1.12	1.09	1.21	1.08	1.14	1.02	1.10		1.12	1.22	1.07	66.0	0.84	1.12	1.05	1.04	1.11	1.00	1.10	1.07	0.92	0.94	0.93	0.93	1.05	0.95	1.27	1.05
Cd (mg/g) (r	0.325	0.370	0.290	<u> </u>	0.268	0.218	0.212	0.251	0.248	0.209	0.392	0.330	0.326	0.293	0.279	0.249	0.226	0.259	0.256		0.269	0.245				0.230	0.220	0.228	0.259	0.233	0.270								0.358	0.263
Mn (mg/g) (i	553 (T	535 (t	_						Н								523 (287 (901 (Н		729 (
Ba (mg/g) ((617	616	594	218	222	262	288	295	278	290	610	293	999	292	258	292	211	220	554		268	531	478	497	456	473	470	461	471	203	246	515	430	484	458	424	456	455	473	456
	1.69	1.62	1.71	1.79	1.69	1.75	1.77	1.68	1.65	1.50	1.62	1.64	1.66	1.51	1.55	1.40	1.30	1.42	1.69		1.63	1.46	1.62	1.64	1.66	1.51	1.55	1.40	1.30	1.42	1.69	1.54	1.51	1.64	1.65	1.62	1.50	1.50	1.49	1.51
) (%) b1	1.77	1.76	1.69	1.71	1.66	1.73	1.70	1.65	1.67	1.67	1.57	1.57	1.44	1.55	1.55	1.53	1.49	1.56	1.64		1.67	1.60	1.57	1.57	1.44	1.55	1.55	1.53	1.49	1.56	1.64	1.59	1.41	1.54	1.52	1.54	1.60	1.56	1.57	1.58
Fe (%) Mg (%) Ca (%)	4.88	4.88	4.68	4.57	4.61	4.80	4.75	4.41	4.57	4.67	4.50	4.41	4.24	4.67	4.67	4.47	4.36	4.45	4.47		4.37	4.61	4.50	4.41	4.24	4.67	4.67	4.47	4.36	4.45	4.47	4.53	4.18	4.51	4.46	4.52	4.66	4.60	4.74	4.61
AI (%) F	7.92	7.93	7.63	7.51	7.36	92.7	7.64	7.18	7.30	7.33	7.30	7.15	7.00	7.40	7.59	6.95	7.00	7.19	7.50		7.38	7.52	7.30	7.15	7.00	7.40	7.59	6.95	7.00	7.19	7.50	7.40	6.77	7.25	7.16	7.32	7.41	7.36	7.42	7.39
%NaCI /	0.147	0.120	0.106	0.122	0.103	0.128	0.103	0.129	0.114	0.166	0.119	0.086	0.107	060.0	0.079	0.087	0.123	0.134	0.112		0.106	0.120	0.146	0.100	0.125	0.150	0.118	0.144	0.104	0.136	0.098		980.0	980.0	0.082	0.102		0.095		0.123
avg %CI *	0.089	0.073	0.064	0.074	0.062	0.078	0.062 *	0.078	0.069	0.100	0.072	0.052	* 290.0	0.055	0.048	0.053	0.075	0.081	* 890.0		0.064 *	0.073	0.088	0.061	0.076	0.091	0.072	0.087	0.063 *	0.082	* 650.0		0.052	0.052	0.050	0.062 *		0.058		0.074
avg d ¹³ Corg * v PDB (ppt)	-24.31 *	-24.43	-24.39	-24.18	-23.22	-23.71	-23.83	-23.08	-22.76 *	-22.65	-23.87	-23.83	-23.69	-23.71	-23.51	-23.57	-23.46	-22.93	-22.33 *		-24.30 *	-22.51	-22.58	-25.60	-22.59	-22.46	-22.76	-22.19	-22.16 *	-22.02	-23.57 *	-23.04	-22.45	-22.56	-22.42	-22.49 *	-22.50	-22.48		-22.34
avg d ¹⁵ N vs * air (ppt)	3.17 *	4.52	3.88	4.15	4.74	3.65	3.49	3.86		4.41	* 177.8	3.41	3.32	3.57	4.13	4.00	3.66	3.99	4.73 *	41.4	4.51 *	6.22	6.19	5.43	5.90	2.98	5.92	6.08	* 01.9	27.5	4.92		6.24	6.13	6.22	6.10	* 00'9	6.10		6.20
(mg/m²/day)	1184.349	636.897	1661.308	1168.636	1296.097	1026.077	3165.122	1923.223	3060.936	2251.630	2817.630	6901.042	6076.211	5201.318	3318.264	3211.514	2801.897	3578.289	6145.019		5053.743	1944.898	3992.611	2667.737	6972.527	1055.864	3200.774	1474.157	2068.834	2544.297	9291.960	1073.262	5454.242	6478.981	9732.497	1709.982	167.912	311.496	49.762	364.804
% Opal	5.807	5.814	5.746	5.694	6.730	7.004	6.510	10.161	9.343	9.912	5.694	12.829	. 878.9	6.556	5.748	7.483	5.841	7.668	11.331		6.668	10.877	11.983	9.794	10.131	11.851	10.777	16.096	15.916	12.320	8.657	6.207	602'9	8.783	11.472	10.151	11.517	11.857	11.103	10.355
%Si_biogenic _flux (mg/m²/day)	493.479	265.374	692.212	486.932	540.041	427.532	1318.801	801.343	1275.390	938.179	1174.012	2875.434	2531.755	2167.216	1382.610	1338.131	1167.457	1490.954	2560.424		2105.726	810.374	1663.588	1111.557	2905.220	439.943	1333.656	614.232	862.014	1060.124	3871.650	447.193	2272.601	2699.576	4055.207	712.492	69.963	129.790	20.734	152.002
%Si (opal) *	2.420	2.422	2.394	2.372	2.804	2.918	2.712 *	4.234	3.893	4.130	2.373	5.345	2.866	2.731	2.395	3.118	2.434	3.195	4.721		2.778	4.532	4.993	4.081	4.221	4.938	4.491	6.707	6.631	5.133	3.607	2.586	2.795	3.659	4.780	4.229	4.799	4.941		4.315
CN_ratio_ atomic	11,494	11.933	12.062	11.532	11.071	12.720	10.822	10.970	10.130	10.592	10.280	10.677	11.040	11.338	10.915	11.121	10.962	9.983	9.553		12.053	10.322	10.037	11.030	10.434	10.484	10.437	9.481	9.141	696'6	11.214	10.590	10.096	10.385	10.337	10.405	10.398	10.296	10.545	10.117
org C/N weights	9.856	10.233	10.343	9.888		,		9.407			8.815	9.155			9.360	9:236	9.400	8.560	8.191		10.336	8.851		9.458	8.947	8.990	8.950	8.130	7.838	8.549	9.616	9.081	8.657	8.905	8.864	8.923				8.675
C_organic flux (mg/m²/day)	360.751	173.048	436.804	314.353	360.545	244.340	787.206	304.688	564.344	456.185	829.740	868.238	1431.195	1177.595	918.797	699.376	785.859	775.188	979.504		1103.341	352.043	669.023	463.626	1132.693	190.899	589.538	221.337	286.761	423.739	1690.250	333.636	1523.181	1390.758	1695.681	325.676	32.091	56.495	10.251	76.705
Cup #	,	- 2	3	4	2	9	7	8	6	10	1	2	3	4	2	9	2	8	6	10	-	2	3	4	2	9	7	8	6	10	1	2	3	4	2	9	2	8	6	10
Station	GVRD A1-TOP	GVRD A1-TOP	GVRD A1-TOP	GVRD A1-BOT	GVRD B1-TOP	GVRD B1-TOP	GVRD B1-TOP	GVRD B1-TOP	GVRD B1-TOP	GVRD B1-TOP	GVRD B1-BOT	GVRD B1-BOT																												

Table 6: Continued.

Ratio OC/%Si(opal)	0.73	0.65	0.63	0.65	0.67	0.57	09.0	0.38	0.44	0.49	0.71	0.30	0.57	0.54	0.66	0.52	0.67	0.52	0.38		0.52	0.43	0.40	0.42	0.39	0.43	0.44	0.36	0.33	0.40	0.44	0.75	0.67	0.52	0.42	0.46	0.46	0.44	0.49	0.50
Raj %OC, opi																																								
Ratio Ratio %OC/%AI %OC/%Si opal)	0.22	0.20	0.20	0.20	0.25	0.21	0.21	0.22	0.24	0.27	0.23	0.23	0.23	0.20	0.21	0.23	0.23	0.23	0.24		0.20	0.26	0.28	0.24	0.24	0.29	0.26	0.35	0.32	0.29	0.21	0.26	0.28	0.26	0.28	0.26	0.30	0.29	0.31	000
P (mg/g)	1097	1138	963	1028	1080	1082	1057	1015	096	1201	1114	905	902	942	946	1038	1006	1101	883		880	1111	842	965	906	1040	994	1126	1093	979	855	946	626	986	965	948	975	984	896	990
(6/6w) S	5191	1092	2852	2875	1802	1186	2803	2252	4748	1069	4991	5071	3629	3183	3941	3224	3297	3661	4921		2302	1479	2289	1545	1898	1717	1747	1564	2095	1526	2279	2983	2735	3180	2565	1814	1870	1111	1796	1771
Ti (mg/g)	4067	4128	4206	4294	4121	4392	4381	4142	4095	4024	4119	4144	4155	4193	4100	4020	4197	4121	3954		4053	4100	4142	4174	4237	4291	4438	4005	4113	4066	4176	4178	4022	4295	4337	4380	4424	4280	4443	1206
Na (%)	1.61	1.54	1.62	1.59	1.64	1.58	1.66	1.40	1.50	1.47	1.70	1.58	1.55	1.66	1.65	1.61	1.51	1.54	1.50		1.61	1.54	1.62	1.59	1.64	1.58	1.66	1.40	1.50	1.47	1.70	1.58	1.55	1.66	1.65	1.61	1.51	1.54	1.50	1 51
К (%)	1.77	1.78	1.66	1.64	1.57	1.64	1.65	1.58	1.62	1.63	1.06	1.06	1.08	1.06	1.09	1.08	1.10	1.08	1.11		1.63	1.60	1.49	1.46	1.36	1.44	1.44	1.39	1.40	1.46	1.60	1.57	1.35	1.44	1.42	1.40	1.41	1.39	1.39	4 20
Pb (mg/g)	16.9	16.3	14.8	14.7	17.0	16.4	16.6	16.3	16.0	16.5	15.9	15.6	14.6	14.3	14.7	15.8	15.4	16.1	15.1		16.9	16.3	14.8	14.7	17.0	16.4	16.6	16.3	16.0	16.5	15.9	15.6	14.6	14.3	14.7	15.8	15.4	16.1	15.1	13.4
Zn (mg/g)	126.6	120.0	112.3	110.8	112.9	114.9	112.4	109.7	112.4	118.9	118.1	113.6	105.9	105.8	103.6	107.7	106.6	110.2	105.6		6.66	109.8	105.9	101.0	94.8	108.5	117.2	115.0	107.4	105.6	102.5	105.7	8.96	102.9	99.7	102.5	114.9	104.9	157.2	1140
Cu (mg/g)	41.5	35.1	33.5	30.0	34.0	32.5	31.3	29.9	30.2	35.2	38.8	38.5	34.8	31.9	31.4	32.7	31.1	31.3	31.0		29.8	28.9	25.2	21.8	18.4	41.2	22.7	24.2	22.6	23.1	26.5	30.4	21.9	23.3	21.5	24.4	26.8	24.1	25.9	22.0
(mg/g)	53.8	54.2	52.9	48.6	51.1	49.7	50.9	49.0	51.0	53.7	52.4	52.3	49.7	49.9	49.5	51.3	51.1	49.9	51.5		53.8	54.2	52.9	48.6	51.1	49.7	50.9	49.0	51.0	53.7	52.4	52.3	49.7	49.9	49.5	51.3	51.1	49.9	51.5	51.4
Cr (mg/g)	75.4	62.9	57.5	64.6	61.5	68.8	78.4	88.3	86.7	69.2	67.8	76.4	69.1	68.3	76.9	9.98	85.2	94.4	9.69		63.2	55.4	48.2	63.1	54.3	63.6	61.4	67.4	67.4	72.1	76.7	73.1	68.7	9.69	24.6	6.69	74.5	71.8	90.5	60 F
Co (mg/g)	17.8	17.5	16.7	15.2	15.6	15.7	16.0	15.2	15.6	16.5	16.9	21.8	20.9	20.6	20.4	20.9	21.1	20.8	20.7		17.0	16.1	14.3	14.6	13.3	14.3	14.1	14.1	14.0	14.8	16.1	15.5	13.5	14.4	13.9	13.8	14.6	14.1	14.6	14.4
Ag (mg/g)	0.558	0.416	0.467	0.432	0.407	0.373	0.377	0.368	0.390	0.453	0.559	0.608	0.535	0.473	0.457	0.470	0.401	0.417	0.449		0.269	0.245	0.238	0.245	0.214	0.230	0.220	0.228	0.259	0.233	0.270	0.267	0.238	0.254	0.242	0.249	0.258	0.234	0.358	0 263
As (mg/g)	10.95	11.50	9.76	8.24	9.03	9.63	9.64	8.48	8.40	10.94	10.60	9.29	8.56	8.83	8.48	10.55	9.49	29.6	8.24		10.25	12.08	26'2	9.10	8.46	11.60	10.71	10.92	10.93	9.46	10.06	11.01	10.01	10.29	10.24	10.74	12.22	11.74	11.65	10 00
Re (ng/g)	2.57	2.54	2.90	2.61	3.12	2.50	2.90	2:32	2.72	2.41	2.69	2.91	2.85	3.02	3.09	2.86	2.68	2.81	2.78		2.48	2.77	3.44	2.68	3.15	2.88	3.34	2.38	2.85	2.54	3.54	3.37	3.60	3.47	3.71	2.50	2.76	2:90	3.12	2 98
# dno	,	2	3 1	4	5	9	7	8	6	10	1	2	3	4	5	9	7	8	6	10	1	2	3	4	2	9	7	8	9	10	1	2	3	4	5	9	7	8	6	40
(6/6m)	1.87	1.87	1.79	1.84	1.83	1.83	1.80	1.78	1.70	1.93	1.81	1.82	1.72	1.70	1.93	1.62	1.67	1.63	1.66		1.78	1.74	1.7.1	1.66	1.56	1.63	1.64	1.73	1.72	1.77	1.75	1.73	1.57	1.63	1.58	1.63	1.75	1.59	1.72	170
Station	GVRD A1-TOP	GVRD A1-BOT	GVRD B1-TOP	GVRD B1-BOT	ZVDN B1.BOT																																			

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.

Column C
No.
No. 1,
No.
1.
1.00 1.00
145 156 156 156 156 156 156 156 156 156 15
1. 1. 1. 1. 1. 1. 1. 1.
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Harmonian Harm
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15. 15.
1.5 1.7 1.7 1.7 1.7 1.8 1.7 1.8 1.7 1.8
1.5 1.5
64.5 22.1 3.2 2.2 3.2 </td
2.81 1.83 2.84 0.84 NRN 218 2.85 0.084 1.41 NRN 0.435 NRN 0.13 1.35 2.80 0.984 1.41 NRN 0.845 NRN 0.13 0.733 2.80 0.984 0.73 0.73 2.80 0.80 0.84 0.73 2.80 0.89 1.41 NRN 0.13 0.73 2.80 0.29 0.73
1. 1. 1. 1. 1. 1. 1. 1.
2.71 1.79 3.12 2.94 0.177 2.14 0.678 1.16 0.642 0.104 16.5 1.74 < 0.066 1.39 4.26 5.82 9.76 1.04 3.65 1.41 1.97 2.14 2.056 2.93 0.166 2.14 0.678 1.1 0.173 1.49 5.29 6.78 1.12 0.057 1.2 1.0 1.2 3.6 6.78 1.1 4.0 5.29 9.75 1.1 4.0 6.78 1.0 1.4 4.9 6.27 9.8 1.0 1.2 2.0 1.2 3.0 6.78 1.0 1.4 4.9 6.27 9.8 1.0 1.4 4.9 6.27 9.8 1.0 1.4 4.9 6.27 9.8 1.0 1.4 4.9 6.28 1.0 1.0 2.0 9.8 1.0 1.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
244 312 234 0117 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0177 2.44 0.05 0.145 0.145 0.146 0.05 0.075
2.77 2.18 5.29 5.29 6.29 1.7 0.00 1.7 0.00 1.7 0.00 1.7 0.00 1.7 0.00 1.7 0.00 1.7 0.00 1.7 0.00 1.7 0.00 1.7 1.0 0.00 1.7 0.00 1.7 1.2 0.00 1.7 0.00 1.7 1.2 0.00 1.2 0.00 1.2 0.00 1.2 0.00 1.7 1.0 0.00 1.7 1.0 0.00 1.7 0.00 1.7 1.0 0.00 1.0 0.00 1.0 1.0 0.00 1.0 1.0 0.00 1.0 0.00 1.0 0.00
2.3. 2.3. 2.3. 0.7. 2.3. 0.7. 1.7. 1.2. 0.7. 1.7. 1.2. 0.7. 1.7. 1.2. 0.7. 1.7. 1.2. 0.7. 1.7. 1.2. 0.7. 1.7. <th< td=""></th<>
2.88 2.31 3.35 3.05 3.05 0.195 2.23 0.673 0.623 0.103 1.58 1.99 0.174 4.49 6.52 1.05 1.02 3.78 1.56 1.05 0.044 0.024
3.4 2.45 378 31 0.784 146 0.644 10082 173 2.89 0.106 20.7 4.36 6.73 8.97 1.08 4.45 17.8 64.2 2.29 6.50 5.83 0.389 3.65 1.09 2.28 0.096 </td
642 226 627 627 627 627 627 627 627 627 628 627 628 627 628 627 628 627
587 1.77 6 01 7.3 0.31 4.49 1.49 27.8 1.10 0.00 1.20 4.41 8 1 1.10 2.69 4.41 8 1 1.10 1.10 2.44 8 1 1.12 1.02 4.12 1.02 4.13 4.13 4.13 8 1 1.10 1.10 2.10 4.11 8 1 1.12 1.12 1.12 1.12 4.11 8 1 1.12 1.12 1.12 1.12 4.11 8 1 1.12 1.12 1.12 0.13 6 1 4.11 8 1 1.12 1.12 0.13 6 1 4.11 8 1 1.12 1.12 1.12 1.12 0.13 6 1 9 2 6 1 9 3 6 1 9 3 1.12
10 24 821 322 142 152 323 836 413 102 126 678 0113 719 415 441 81 116 187 817 817 153 158 158 NDR 0783 105 2.34 2.45 0.586 0.586 0.587 0.82 7.16 0.93 0.82 0.82 7.16 0.93 0.81 0.94 0.95
12.2 2.94 11.9 11.5 NNR 1.0783 10.5 2.78 5.97 2.45 0.586 15.2 7.49 < < 0.195 6.72 2.31 5.42 5.99 10.5 1.75 2.99 0.82 7.16 9.3 < < 0.185 6.71 6.2 3.31 5.42 5.99 10.6 1.75 2.99 0.82 7.16 9.3 < < 0.185 0.185
The Image of the color of the
Fig. NDR 0 919 NDR 1 54 2.37 C.0 369 1.09 1.75 5.29 C.0 347 C.0 334 NDR 8 29 NDR 1 154 C.0 357 C.4 1 154 C.0 377 C.0 196 C.0 34 C.0 182 C.0 183 S.1 S.1 S.1 S.2 S.2 S.3 S.2
1.78 NNR 0.919 NNR 1.54 2.37 1.78 S. 154 3.25 3 1.78 S. 155 3 1
178
159 0.888 144 4.32 4.0598 1.82 NDR 0.626 8.85 NDR 0.656 4.65 4.65 4.65 4.65 4.65 4.81 4.4 4.32 4.65 4.81 4.4 4.32 4.65 4.81 4.4 4.32 4.65 4.81
2.77 1.35 2.44 3.75 < < 0.469 NDR 0.79 NDR 0.657 < < 0.425 1.29 2.12 < < 0.453 1.6 2.35 4.81 7.1 1.3 34.3 11.7 1.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 11.7 1.3 34.3 34.5
1 372 279 323 379 NDR 0.212 2.98 0.792 16 0.569 NDR 0.141 21.2 2.33 NDR 0.225 178 5.55 6.28 11.2 1.33 44.5 166 166 2.3
2 3.72 2.79 3.22 3.71 0.569 0.792 16 0.569 NDR 0.141 21.2 2.33 NDR 0.225 17.8 5.56 6.28 11.2 1.33 44.5 166 4 4.62 4.16 3.63 6.89 1.9 0.686 1.3 0.945 0.32 3.2 3.54 0.034 1.0 3.7 1.15 3.81 1.4 1.0 3.5 0.045 1.2 0.32 3.24 0.046 1.3 0.946 1.3 3.2 3.6 0.094 1.0 3.2 3.6 0.046 1.3 0.946 1.3 0.046 1.3 0.046 1.0 2.1 0.05 1.1 1.0 3.6 1.0 3.6 1.0 3.6 1.0 3.6 1.0 3.6 1.0 3.6 1.0 3.6 1.0 3.6 1.0 3.6 1.0 3.2 3.6 1.0 3.2 3.6 1.0 3.6 3.6 3.2
3.72 2.73 NATO CASO 1 1.5 0.599 1.0 0.399 1.5 0.509 1.6 0.399 1.6 0.322 1.6 3.18 1.6
4.52 4.53 6.23 7.2
4.02 2.66 2.67 2.68 2.69 0.260 2.30 0.587 0.258 0.258 0.2587 0.25
3.54
5.37 2.58 2.59 4.00 UGAT 2.29 0.0647 15.3 USBI 0.221 17.0 2.33 NURVIJAT 16.1 13.1 13.1 13.1 13.1 13.1 13.1 13.1
5.02 2.85 3.25 7.70 NURV.0.241 4.03 1.04 NURV.0.201 17.9 2.82 5.01 2.82 2.01 2.82 2.4.2 11.3 11.3 2.1.2 3.03 38.2 2.83 2.83 2.84 4.27 4.27 4.07 5.85 8.86 4.28 4.28 4.28 5.84 4.27 4.27 4.27 5.84 4.28 1.34 4.27 4.27 4.27 4.27 4.27 4.27 4.27 4.2
346 4.20 (4.01 6.03 (20.89 4.03 1.07 28.6 0.390 (20.40 35.4 4.27 20.70 51.1 7.70 51.0 10.0 NUK 2.27 03.1 51.3 15.4 15.1 15.1 15.1 15.1 15.1 15.1 15.1
9.15 2.00 5.00 0.00 0.00 0.00 0.00 0.00 0.0
17. 3.04 96 25.3 NDR 0.541 0.27 5.01 0.27 1.01 6.22 7.8 < 0.446 4.3.5 0.06 7.7 4.16 9.04 1.75 7.09

Table 7: Continued.

Sample Depth (cm) CL1-PCB- CL1-PCB- CL2-PCB- CL2	m) CL1-PCB	- CL1-PCB-	CL1-PCB-	CL2-PCB-	- CL2-PCB- 5	CL2-PCB- 6	ა	7 8 9 9 10 11 11 11 11 11 11 11 11 11 11 11 11	6 6 9 6 PCB-	10 10 10 10 10 10 10 10 10 10 10 10 10 1		12/13	CL2-PCB-	CL2-PCB- 15	16 16	17 17	18/30	19 19	20/28	21/33	22 22 22 22 22 22 22 22 22 22 22 22 22
Core 6																					
0-1	5.3	2.07	3.04	4.07	NDR 0.260		0.692		0.547 N	NDR 0.189	16		< 0.0771	11.5	3.66	4.08		0.864	28.1	10.7	69.7
1-2	2.81	1.75	2.06	2.77	NDR 0.119		0.486		368	NDR 0.128	13.8		< 0.0953	10.3	2.89	3.17		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		< 0.144		3.49	4.21		0.708	29.8	11.2	8.49
2-9	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		3.72	4.7	8.26	NDR 0.835	34.3	12.6	9.62
9-10		2.41	2.42	3.91	NDR 0.167	2.39	0.569	12.8	0.554	0.173	17.6		NDR 0.214		4.83	5.58	10.4	1.23	37.3	14.6	10.9
9-10 (Duplicate)		2.54	2.79	3.7	NDR 0.179	2.51	0.704		0.546	0.159	19.3	2.33	0.129	15.8	4.47	5.38		1.08	39.7	14.2	11
12-14	3.34	2.7	2.39	4.57	< 0.220	2.69	0.608		NDR 0.570	< 0.206	21.9	2.62	< 0.200	17.4	5.48	6.17		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	866.0	42	14.6	11.3
18-20	3.9	3.04	3	4.75	< 0.301		0.714	17.5	NDR 0.603	< 0.283	21.4	2.66	< 0.275	22.1	NDR 5.69	6.25	7	NDR 1.31	50.1	17.9	13.4
25-30 40-45	4.97	3.69	3.69	6.9	NDR 0.267 NDR 0.378	3.9	NDR 0.996 1.25	22.4	1.04 N	< 0.246 NDR 0.255	23.7	3.07	< 0.239	28.9	5.85	6.34	12.3	1.51 NDR 1.72	81.3	23.7	18.7
7 020 7			!						1												
) O C 1	336	2 44	NDR 7 22	<6.52	< 3.58	< 3.16	< 3.30	62 6	< 3.16	< 3 20	12.4	< 3.55	< 3.38	82.6	2.55	NDR 3 02	5.2	0.857	216	8 29	5.96
1-2	1.52	1.33	1.12	NDR 2.09	_	NDR 1.24	<0.683	7.55	<0.704	<0.686	10.9	1.52	<0.749	6.56	t	2.85	5.06	NDR 0.628	22.3	8.36	5.93
3-4		2.25	NDR 9.25	< 6.83	Н	< 3.11	< 3.25	8.52	< 3.11	< 3.15	10.6	< 3.49	П	NDR 9.93	2.9	2.88		0.823	21.9	8.76	6.07
3-4 (Duplicate)		3	_	< 6.59	< 3.86	< 3.40	< 3.55	11.5	< 3.41	< 3.45	13	< 3.83		NDR 13.3	2.96	3.58		NDR 0.858	29.2	10.8	8.02
6-7	2.99	NDR 2.60	ž	< 5.41		< 2.86	< 2.98	7.77	< 2.86	< 2.90	9.93		< 3.06	Ξ	2.34	2.76		NDR 0.885	22.4	8.25	6.18
9-10	1.64	NDR 1.31	1.53	1.91	_	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
14 16	2.68	2.42	NUK 8.43	A 53.01	× 2.98	< 2.03 100 4 64	27.75	0.23	< 2.03	+	3.87		20.70		77.7	3.03		NDR U.960	20.9	8.57	0.00
18-20	2.96 2.96	NDR 2.21		NDR 7.85	< 2.87	NUK 1.04 < 2.53	< 2.64	16	< 2.53	< 2.56	NDR 5.45	NDR 1.09	< 2.71	11.7	2.5	8.59	15.7	2.32	42.7	20.70	13.5
25-30	NDR 1.91	NDR 1.94	NDR 8.85		Ļ	< 3.41	< 3.56	< 3.26	< 3.42	t	< 3.73	> 3.84	< 3.65	< 5.05	1	16	NDR 0.827	< 0.572	2.64	1.11	0.408
40-44	NDR 0.249	1.06			<0.226	<0.213		NDR 0.413	<0.210	<0.211		NDR 0.401	<0.227	<0.214		-	0.385	0.136	0.626	0.4	0.223
Surface Only Samples	Samples						1														
Core Number/Sample	CL1-PCB-	- CL1-PCB- 2	CL1-PCB-	CL2-PCB-	- CL2-PCB- 5	CL2-PCB-	CL2-PCB-	CL2-PCB- 8	CL2-PCB- (CL2-PCB-	CL2-PCB-	CL2-PCB- 12/13	CL2-PCB- 14	CL2-PCB- 15	CL3-PCB- 1	CL3-PCB- 1	CL3-PCB- 18/30	CL3-PCB- (CL3-PCB- 20/28	CL3-PCB- 21/33	CL3-PCB. 22
Depth (cm)			7.47	7.44	00.0	00,7	000				0,77		000	1	107	1	27.		,1,	47.5	7
9/1-2	e.s	t CN	CN CN	19.7	0.30 NDR 0.343	4.33	3.25	22.9	1 29	0.399	23		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	T	33	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	9	5.12	4.61	12.5	NDR 0.293	3.32	3.06	15.8	0.874	Н	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		NDR 3.20	15.9	NDR 1.11	7	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		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		1.88	25.7	1.27	0.357	NDR 26.3	T	NDR 0.217	29.2	6.95	9.16		2.54	63.8	23.3	16.7
16/0-1	2.89	1.65	78 9 AUN	5.65	NDB 0 156	2.1	0.40	15.4		0.168	15.2	2 19	< 0.0049	13.5	7.84	7.16	12.6	1 69	1.5.1	17.0	12.5
12/0-1	NDR 13.1	9.53	NDR 31.2	19.9	< 0.313		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	_	NDR 9.58		< 0.0689	1.06	0.314	6.19	0.259	0.074	69'2	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		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	Ì	NDR 0.291	4.3	1.11	26.1	1.19	609.0	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		NDR 53.4		0.524	7.33	2.1	38.4		0.797	27.3	7.34	< 0.472	40.1	1	20.2	33.3	6.42	130	51.4	31.6
22/0-1	NDR 7.44	4 < 1.77	NDR 30.8	10.9	< 0.256	2.28	0.514	11.6	0.514 N	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	SDS																				
A1 TOP	2.02	1.21	NDR 2.36	3.87	NDR 0.187	2.27	0.777	10.3	0.625 N	NDR 0.182	18.3		0660.0 >	10.7	3.82	5.41	9.81	1.09	29.8	12.8	9:36
A1 BOT	2.57	1.52	2.72	98.9	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	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.

Column C	Sample Depth (cm)		CL3-PCB- CL3-PCB- CL3-PCB- CL3-PCB- CL3-PCB- CL3-PCB- 23 24 25 26/29 27 31	CL3-PCB- 25	CL3-PCB- 26/29	CL3-PCB- 27	CL3-PCB- 31	CL3-PCB- CL3-PCB- 32 34		35 35	CL3-PCB- C	CL3-PCB- C	CL3-PCB- C	39 4	CL4-PCB- C	CL4-PCB- C	CL4-PCB-	CL4-PCB- 49/69				
1. 1. 1. 1. 1. 1. 1. 1.	Core 1																					
Course National Course Course National Cou	0-1	ÖN		ON	ŎN	ØN	ÖN		ŎN	ÖN	NO		ØN	ŊŎ	29.2	16.1	1.23	55.1	6.29	2.11	6.26	37.2
1.00 1.00	1-2	< 0.0725		2.89	5.28	1.94	33.3		NDR 0.237	2.68	0.584		DR 0.308	0.492	26.1	13.6	1.23	51.3	6.47	2.2	5.99	38,
No. Course	3-4	< 0.0496		4.63	7.36	2.62	46.3		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	28
Marci Colore Marc	2-9	< 0.0586		4.12	6.71	2.06	43.3		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
1. 1. 1. 1. 1. 1. 1. 1. 1.	9-10	NDR 0.06;	7 0.217		8.5	3.44	53.8		0.536	4.91	0.563	36.3	0.413	0.92	6.64	29.2	2.1	96.4	4.4	4.59	4.11	72.
Colony No. 10, 85 Colo	12-14	< 0.0589			9.43	4.18	58.6		0.752	6.47	0.448	45.6	0.527	1.25	929	39.1	2.66	123	20.4	6.34	13.6	95
C C C C C C C C C C	14-16	< 0.0576			5.38	2.83	35.2		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
Colores Colo	18-20	< 0.0508			1.59	0.913	10.1		0.189	1.52	0.199	8.24	<u> </u>	0.403	13.8	8 09	0.597	24.7	4.65	1.68	2.75	202
CODM-12 CODM	25-30	< 0.0546	_	NDR 0.158	0.216	0.097	0.921	-	_		JDR 0.065	0.638	t	< 0.0511	1.1	t	< 0.0962	1.89		NDR 0.172	0.255	1.33
MORE ONE MORE ONE 155	50-55	< 0.0449	-	0.135	0.196	NDR 0.105		_	_		JDR 0.045	0.534	H	< 0.0449	0.93	H	< 0.0449	1.84		NDR 0.120	0.232	1.29
COUNTY C																						
COUNTRY COUN	Core 2																					
MURR COMB CUNNER STATE MURR COMB COMB COMB COMB COMB COMB COMB COMB	0-1	< 0.0471	NDR 0 176	3.55	6.76	1.55	38.1	8 61	0 202		0.212	Г	OB 0 82	0.235	25.2	116	1.3	44.5	6 44	2.52	7 98	26.
NUMBRONS 0.355	1-2	NDR 0.06	5 NDR 0 345	5 68	10.9	3.07	63.1	16.2	0.347		0.275	Ī	N 260 0 80	DR 0 433	43.6	17.8	2.26	75.2	11	4 64	12.3	45
	3-4	NDR 0.06	305.0	6.29	11.6	2.5	66.1	15.2	0.331		0.288	Ī	0.148	0.392	42.1	19.6	2.2	79.2	88 0	4 11	12.5	48.6
0 0.099 0.0	2 9	ADD O GOIN		7.64	12.0	2.55	73.2		ND 0 438		0.307	T	DD 0 178	0.412	40	21.5	2.2	70.5	00:0	136	13	46.0
Hear Colorado Co	040	00000		10.0	101	2 2 2	7.00		ND 0 563		0.037	Ť	0.235	0.412	2 12	5.00	2.7	140	17.7	00.4	2 9	2 0
Colorest	9-10	× 0.0920	+	5 5	10.	5.5	99.7		0.000		1000	20.9	0.435	0.00	5 5	20.0	2.00			0.00	10.0	
This	12-14	0.1	0.565	9.5	17.6	4.38	94.4		0.603		0.249	50.4	0.135	909.0	58.1	26.6	2.74	88.3	14.4	6.51	17.1	58.
Process 1.0	14-16	_	0.898	14.8	27.3	9.04	136	52.7	1.26		< 0.154		0.312	1.4	129	50.5	7.26	212	35.2	15.7	36	140
1.0 1.0	14-16 (Duplicate	_	1.24	15.5	29.2	9.22	155	22	1.4		NDR 0.148		DR 0.300	1.4	131	9.09	6.55	194	34.4	15.4	36.3	13
0.0447 C.00480 0.377 C.0480 C.0247 C.0480 C.0247 C.0249 C.0249 C.0247 C.0244 C.0472 C.0249 C.0247 C.0244 C.0472 C.0244 C.0244 C.0249 C.0247 C.0244 C.0472 C.0472 C.0247 C.0247<	18-20	0.139	0.685	17	29.1	7.91	137	62.2	1.67		0.134	74		1.42	168	8.69	8.02	234	39.5	18.8	50.2	154
COMPTEN COMP	25-30	0.14	< 0.0486	0.377	0.492	0.265	2.93	2.16	0.159		0.087	1.75		DR 0.102	3.23	1.25	0.156	4.35	0.979	0.491	0.781	2.89
COMPANY OF 151 C.C. OCH C.C	35-40	< 0.0472	Н	< 0.0472	0.098	< 0.0472	0.41	0.251	< 0.0472	H	< 0.0472	0.204	П	0.068			< 0.0472		JDR 0.209 1	NDR 0.209 NDR 0.066 NDR 0.117	DR 0.117	0.446
COMPANY CONTINE CONT	Sore 3																					
4 COOMED 134 0.84 2.85 0.844 2.85 0.844 2.85 0.848 2.85 4.48 0.148 1.53 0.399 1.04 1.53 0.399 1.04 1.53 0.043 1.57 0.043 1.54 0.043 1.54 0.043 1.14 0.018 0.022 1.52 0.74 1.57 0.043 1.53 0.043 1.53 0.043 1.53 0.043 1.53 0.043 1.53 0.043 0.043 0.043 0.043 0.032 1.51 0.043 0.032 0.033 0.043 0.033 0.034 0.033 0.034 0.033 0.034 0.033 0.034 0.033 0.034 0.034 0.034 0.034 0.034 0.035 0.035 0.034	0-1	< 0.0477	L	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	1
4	1-2	< 0.0469	L	2.34	4.83	0.884	26.5	4.62	0.164	1.25	0.399		DR 0.099	0.244	14.1	6.36	0.843	25.5	3.31	1.07	4.62	16.2
10,000, 10,0	3-4	< 0.0472	_	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
146 14	3-4 (Duplicate)			2.92	5.3	0.913	27.5	4.1	0.15	1.64	0.501		0.119	0.262	15.2	7.71	0.932	26.3	3.51	1.07	90.9	16
1.00 0.0066 0.159 0.129 0.25 0.159 0.159 0.179 0.179 0.129	2-9	< 0.0473		2.67	4.85	0.889	26.8	4.39	0.135	1.46	0.439		DR 0.115	0.236	16.1	8.09	0.887	27.2	3.56	1.18	5.51	17.5
Hander H	9-10	< 0.0466		3.26	5.31	0.935	29.5	4.62	0.179	2.77	0.43		0.125	0.313	17.7	8.52	1	28.5	3.55	1.13	5.9	18
10 10 10 10 10 10 10 10	12-14	0.056		4.64	7.62	1.35	42.6	6.84	0.271	2.24	0.37			0.405	26.2	13.2	1.36	42	5.26	1.72	8.55	26.2
200 O.215 102 </td <td>14-16</td> <td>NDR 0.05</td> <td></td> <td>5.9</td> <td>10.9</td> <td>1.92</td> <td>61.5</td> <td>10.9</td> <td>0.407</td> <td>2.49</td> <td>0.263</td> <td></td> <td></td> <td>0.534</td> <td>34.9</td> <td>15.4</td> <td>1.85</td> <td>54.5</td> <td>7.77</td> <td>2.69</td> <td>10.7</td> <td>36</td>	14-16	NDR 0.05		5.9	10.9	1.92	61.5	10.9	0.407	2.49	0.263			0.534	34.9	15.4	1.85	54.5	7.77	2.69	10.7	36
NURR 0.108 C.0.0615 12.9 22.2 4.72 116 22.1 0.76 4.25 NURR 0.161 716 NURR 0.282 1.38 81.7 4.09 5.57 12.1 1	18-20	0.215		13.4	26.2	6.36	138	27.8	0.683		0.211			0.881	6.69	33.2	4.07	100	19	6.42	23.9	62.4
45 0.168 1.29 1.78 35.4 1.09 230 45.5 1.21 5.09 < 0.114 82 0.041 2.93 203 83.3 12.5 318 1.25	25-30	NDR 0.108		12.9	22.2	4.72	116	22.1	9.76		JDR 0.161		DR 0.282	1.38	81.7	40.9	5.57	121	20.2	6.91	27.3	76
2 CO0520 0.075 1.41 2.77 0.45 132 2.17 0.116 0.492 0.193 4.52 0.067 NDR 0.141 7.43 3.86 NDR 0.524 14 14 156 < 0.0494 NDR 0.651 1.58 2.81 0.494 13.6 2.17 0.097 0.536 NDR 0.212 4.7 NDR 0.083 NDR 0.141 7.43 3.86 NDR 0.524 14 14 156 < 0.0494 NDR 0.651 1.58 2.84 0.768 2.85 0.768 2.35 3.93 0.134 NDR 0.139 0.431 0.66 NDR 0.199 0.77 4.09 0.696 16.5 0.696 0.154 0.154 2.34 4.58 0.768 2.35 3.93 0.134 NDR 0.198 0.431 0.66 NDR 0.101 NDR 0.191 13.7 5.71 0.954 2.5.3 0.0478 0.134 NDR 0.134 NDR 0.141 13.7 5.71 0.954 2.5.3 0.149 0.148 NDR 0.154 0.199 0.414 0.414 0	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
COORDINATION COOR																						
2	Core 4																					
1.0 1.0	1-2	<0.0520	0.075	1.41	2.77	0.45	13.2	2.17	0.116		0.193		0.067 N	DR 0.143	7.98		0.598	14.9	2.31	0.61	2.55	8.94
Second	14-16	-	NDR 0.051	1.58	2.81	0.484	13.6		0.097		JDR 0.272		DR 0.083 N	DR 0.141	7.43		IDR 0.524	14	2.08	0.593	2.4	8.74
Council Coun	14-16 (Duplicate	-		1.99	4.24	0.948	20.7			0.64	NDR 0.244		<0.0478	0.139	9.77		969.0	16.5	2.99	0.818	3.25	10.3
4 COORSII COORGII COOR	30-35	<0.0500		2.34	4.58	0.768	23.5	3.93		NDR 0.983	0.431		DR 0.105 N	DR 0.201	13.7	5.71	0.954	25.3	3.56	0.949	4.19	15.2
C 0.0631 C 0.0605 3.01 5.8 1.14 28.9 4.75 NDR 0.193 1.46 0.768 14.8 NDR 0.185 0.312 15 7.76 0.932 26 4 NDR 0.052 0.283 4.82 9.72 1.49 1.48 0.76 8.46 <0.111	Ore 5																					
NOR OLOGIC COURT		10001	H	6	0 4	1 17	0 00	r	100 0 400	1 16	0 25 0	r	100 0 105	0.040	74	7 76	0000	90	00 0	7	7 07	4.0
NR 0.052 0.283 4.82 4.87 0.7 2.6 3.09 0.149 0.1745 0.175 2.5 4.94 0.054 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.7 1.22 4.94 10.2 1.22 4.94 10.2 4.94 1.94	- 0	V 0.003	+	9.0	0.0	1 1	6.67		0.440	5 5	0.70			0.312	5 6	0.7	0.932	70.7	Ť	- 11	0.0	- 0.7
NUMBER CLASS 4.8Z 3.1Z 1.86 54.9 8.09 0.785 2.19 1.05 0.11 0.25 0.11 0.25 1.21 1.22 4.5 4.5 0.14 0.25 1.21 1.22 4.5 0.14 0.25 0.14 0.25 1.21 1.22 0.14 0.25 0.25	7-1	\$01.09		2.49	4.47	7.0	97		0.149	24.0	0.70	8.40	+	111.0	10.5	45.7	1.084	18.7	T	0770 YO	3.5	- 6
COUGGS COUGGS CLOSS CL	4 1	NDR 0.05		4.02	3.72	08.1	9.4.0 0.00	Т	07.0	2.19	0.100	42.07		0.414	7.07	1.2.1	77.1	42	98.4	0.10	1.74	7.07
COUGNE COUGNE N. 2.59 4.86 0.975 26.2 4.21 NUR 0.139 1.33 NUR 0.134 NUR 0.134 1.44 7.2 0.086 24.1	/-Q	< 0.0651		2.41	4.39	0.81	22.6		0.123	1.22	0.726	T	0.11	0.25	12.6	6.4	0.729	17	2.43	0.793	3.85	73
	9-10	< 0.0480		2.59	4.85	0.975	26.2		NDR 0.139	1.33	0.697		\sim	DR 0.274	14.4	7.2	0.86	24.1	2.78	0.983	4.37	15
	12-14	< 0.0592		3.98	8.16	2.01	42		0.232	1.71	0.802		7	0.377	21.1	10.5	1.49	35	5.37	1.9	7	21.3
< 0.0733 0.0261 3.73 7.09 1.49 37.6 6.75 0.062 0.879 20 NDR0.235 0.44 20.5 10.1 1.48 34.4 0.076 NDR.0.341 6.373 7.09 1.49 1.05 2.32 0.711 31.4 NDR.0.13 32 16.4 2.09 5.09 5.00 0.054 0.054 0.052 1.02 6.17 31.4 NDR.0.13 1.22 8.13 38.8 4.6 1.28	14-16	<0.0617		5.43	10.2	1.73	59.4		NDR 0.299	3.2	1.56		_	DR 0.391	26.8	12.3	1.63	46	5.07	1.7	7.43	29.2
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 53.8 0.094 0.92 10.3 20.1 4.22 125 2.6 0.622 5.17 NDR 0.234 57.6 0.215 1.22 81.3 38.8 4.6 128	18-20	< 0.0733			7.09	1.49	37.6	6.75	0.162	1.95	0.879			0.44	20.5	10.1	1.48	34.4	4.26	1.69	6.35	21.2
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 1.28	25-30	0.076	NDR 0.341		11.5	2.56	59.1	10.6	0.308		0.711			0.541	32	16.4	2.09	53.8	7.32	2.67	9.8	33.7
	45-50	0.094	0.92		20.1	4.22	125	26.6	0.622		NDR 0.234	97.6	0.215	1.22	81.3	38.8	4.6	128	17.1	6.21	22.6	80.

Table 7: Continued.

CL4-PCB- 49/69	10.1	8.9	11.1	13.1	14.1	15.3	15.9	15.7	18	17.2	23.3		8.45	7.64	8.1	10.4	99.8	5.97	10.1	10.5	16.4	1.07	
CL4-PCB- CL4-PCB- 0	m	2.56	3.19	3.83	4.18	4.46	4.45	4.27	5.18	5.21	6.85		2.32	2.08	2.59	2.94	2.42	1.63	3.06	2.77	5.55	NDR 0.280	
CL4-PCB-	0.683	0.594	0.749	0.827	1.02	0.992	686.0	1.03	1.14	1.14	1.58		0.602	NDR 0.461	NDR 0.551	NDR 0.722	0.42	0.414	1.2	NDR 0.790	1.52	< 0.182	
CL4-PCB- 45/51	1.75	1.6	2.07	2.53	2.72	2.69	2.81	2.84	3.27	3.19	4.37		1.43	1.39	1.46	2.08	1.53	1.2	2.28	2.21	4.09	NDR 0.209	1
CL4-PCB- 44/47/65	16	14.5	17.2	20.5	22.7	24.1	24.5	23.7	27.6	28	36.4		11.9	12	12.7	16.3	13.1	9.41	15.9	16.3	26	1.43	
CL4-PCB- 43	0.529	0.425	0.58	769.0	0.854	0.832	< 0.0469	< 0.0472	< 0.0655	< 0.0624	< 0.0517		NDR 0.355	0.419	NDR 0.414	0.628	NDR 0.317	0.322	0.505	0.592	1.01	< 0.167	
CL4-PCB- 42	4.55	4.28	5.01	5.81	6.5	6.9	7.36	96.9	8.21	8.51	11		3.52	2.97	3.79	4.73	3.4	2.73	5.34	4.38	8.3	NDR 0.301	
CL4-PCB- 40/41/71	6	7.43	9.81	11.7	13.2	13.4	14.5	14.1	16.3	16.6	22.9		7.11	6.39	7.71	9.79	7.36	5.53	9:36	9.23	16.5	0.933	
CL3-PCB- 39	0.19	NDR 0.185	0.173	0.175	NDR 0.266	0.277	NDR 0.436	NDR 0.199	NDR 0.275	NDR 0.530	NDR 0.477		< 0.248	0.212	< 0.350	< 0.411	< 0.319	NDR 0.076	< 0.335	0.16	< 0.404	< 0.308	
CL3-PCB- 38	NDR 0.160	NDR 0.119 NDR 0.185	0.104	NDR 0.160	NDR 0.150	0.206	NDR 0.106 NDR 0.436	0.144	0.169	0.243	0.152		< 0.255	<0.0890	< 0.361	< 0.424	< 0.329	0.177	< 0.345	0.294	< 0.416	< 0.318	
CL3-PCB- 37	8.83	8.2	9.52	11.1	12.5	12.5	14.2	14	16.6	21.1	24.2		8.2	5.08	8.43	12.1	8.64	5.61	9.57	4.98	15.5	0.981	
CL3-PCB- 36	0.572	0.55	0.619	0.74	0.738	0.838	0.968	0.952	926.0	1.3	0.832		NDR 0.342	0.402	< 0.346	NDR 0.529	< 0.315	0.249	< 0.330	NDR 0.197	< 0.398	< 0.304	
35 35	0.826	0.834	0.859	1.05	1.07	1.26	1.59	1.78	1.72	2.61	3.32		0.759	0.65	NDR 0.684	NDR 1.07	0.812	0.587	NDR 0.610	0.867	NDR 1.26	< 0.345	
CL3-PCB- 34	0.135	0.104	0.086	0.093	0.15	0.191	NDR 0.196	NDR 0.154	NDR 0.175	NDR 0.233	NDR 0.291		< 0.245	NDR 0.098	< 0.346	< 0.406	< 0.316	0.065	< 0.331	NDR 0.112	< 0.399	< 0.304	
CL3-PCB- 32	3.08	2.55	3.16	3.55	4.22	4.14	4.49	4.23	4.74	6.7	8.63		2.11	2.3	2.1	2.78	2.26	1.52	2.58	3.23	5.87	< 0.287	
CL3-PCB- 31	18.8	16	20	22.8	56.6	56.9	29.2	27.2	32.7	43	52.6		14.4	15	14.9	19.4	16	9.48	14.9	15.2	31.2	1.49	
CL3-PCB- 27	0.783	0.628	0.728	608.0	1.03	0.895	1.04	866.0	1.26	1.15	1.4		NDR 0.595	0.512	NDR 0.546	NDR 0.633	NDR 0.556	0.439	0.541	0.498	NDR 1.30	< 0.235	
CL3-PCB- 26/29	3.77	3.05	3.82	4.33	4.94	5.65	5.64	90'9	6.15	8.12	10.4		3.09	2.75	2.86	3.77	2.83	1.79	2.75	2.61	5.81	< 0.303	
CL3-PCB- 25	6.7	1.61	1.98	2.16	2.48	2.91	3.06	2.76	3.31	3.99	5.03		1.48	1.42	1.33	2.12	1.44	1.02	1.49	1.45	2.98	< 0.272	1
CL3-PCB-	NDR 0.103	0.072	< 0.0538	NDR 0.114	NDR 0.186	NDR 0.148	0.143	0.172	NDR 0.201	NDR 0.202	0.158		< 0.219	NDR 0.080	< 0.286	< 0.292	< 0.271	NDR 0.057	< 0.218	<0.0537	< 0.303	< 0.249	
CL3-PCB- CL3-PCB- CL3-PCB- CL3-PCB- CL3-PCB- 23 24 25 26/29 27 31	< 0.0563 NDR 0.103	< 0.0466	< 0.0633	< 0.0693 NDR 0.114	< 0.0488	0.068	< 0.0650	< 0.0472	< 0.0567	0.055	NDR 0.083		< 0.249	<0.0836	< 0.353	< 0.414	< 0.322	۵.	< 0.337	<0.0675	< 0.407	< 0.310	
Sample Depth (cm)	Core 6	1-2	3-4	2-9	9-10	9-10 (Duplicate)	12-14	14-16	18-20	25-30	40-45	Core 7	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	

Core	CL3-PCB-	CL3-PCB-	CL3-PCB-	CL3-PCB-	CL3-PCB-	CL3-PCB-	CL3-PCB-	CL3-PCB-	CL3-PCB-	3.PCB- CL3.PCB- CL3.PCB- CL3.PCB- CL3.PCB- CL3.PCB- CL3.PCB- CL4.PCB- CL4.P	CL3-PCB-	CL3-PCB-	CL3-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-
Number/Sample	23	24	25	26/29	27	31	32	34	35	36	37	38	33	40/41/71	42	43	44/47/65	45/51	46	48	49/69
Ė	< 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	96.7	0.795	28.7	3.81	NDR 1.28	4.31	17.9
Ė	< 0.0843	NDR 0.195	3.64	7.53	1.57	40.5	96.9	0.182	2.06	0.789	23.2	NDR 0.174	0.456	20.9	9.54	966.0	33.2	4.21	1.49	5.25	20.7
-	< 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
	< 0.131 N	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
ĺ	< 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
	< 0.0723	NDR 0.141	1.5	3.16	0.92	18.3	3.71	980.0	1.04	0.317	9.77	260.0	0.22	10.4	5.01	0.491	17.6	2.32	0.863	2.6	10.4
	< 0.0535 N	NDR 0.213	3.87	60.7	1.68	40.3	8.28	0.196	1.96	9.0	22.7	NDR 0.131	NDR 0.343	21.8	10.5	1.23	37.9	4.78	1.73	90.9	22.5
ĺ	< 0.0505 NDR 0.054	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	69.7	1.06	0.363	1.46	4.69
	< 0.0501	0.193	2.94	5.75	1.11	28.5	5.07	0.145	1.15	0.601	12.4	80'0	NDR 0.154	11.6	5.65	0.807	23.9	2.77	0.961	4.15	14.1
	< 0.159 N	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
Ė	< 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
ĺ	< 0.0473 NDR 0.100	NDR 0.100	2.13	3.98	0.784	20.3	3.29	260.0	1.02	0.569	8.19	060.0 AUN	0.176	9.1	4.65	0.581	16.8	1.94	0.653	3.07	10.5
	< 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
	< 0.267 N	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
	< 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	S																				
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	NDR 0.289	12.2	5.63	0.782	22.6	3.23	0.916	4.16	14.1
l	1	1																			

Table 7: Continued.

CL4-PCB-	< 0.235	< 0.471	< 0.102	< 0.188	< 0.110	NDR 0.135	0.14	< 0.0893	< 0.0449			0.629	< 0.316	< 0.107	< 0.408	1.31	< 0.144	< 0.489	< 0.320	< 0.241	< 0.0486	< 0.0472		< 0.0708	< 0.193	< 0.0787	< 0.0572	< 0.0636	< 0.0806	< 0.0892	< 0.152	< 0.153	< 0.306	< 0.525		777	<0.0745	<0.101	<0.123		< 0.118	<0.108	< 0.171	< 0.0651	< 0.0702	< 0.146	<0.112	× 0.139	< 0.139
CL4-PCB- 79	1.88	1.63	2.23	2.35	2.68	3.49	2.31	0.916	0.053			0.897	3.04	2.34	2	2.69	< 0.133	8.42	6.29	4.9	< 0.0486	< 0.0472		0.506	0.822	0.575	0.612	0.654	0.696	0.963	1.43	1.22	NDR 2.50	6.18		370.0	0.271	0.317	0.597		NDR 0.578	0.733	0.761	NDR 0.556	NDR 0.679	0.688	1.28	1 10	2.99
CL4-PCB-	< 0.262	< 0.515	< 0.113	< 0.210	< 0.123	01.10 AUX	< 0.138	VDR 0.100	< 0.0449			< 0.0828	< 0.338	< 0.118	< 0.449	< 0.196	< 0.158	< 0.523	< 0.342	< 0.265	< 0.0486	< 0.0472		< 0.0794	< 0.206	< 0.0884	< 0.0642	< 0.0714	< 0.0905	< 0.100	< 0.162	< 0.172	< 0.350	< 0.553		03107	<0.02	<0.111	<0.135			<0.116	1		۸.	< 0.167	<0.120	< 0.172	<0.237
CL4-PCB-	16.5	12.2	22.8				1/.1		NDR 0.352			7.4	14.4	13.3	16.1	23.7	20.2	30.3	34.9		_	NDR 0.137		4 44	T	4.73		4.52	5.19	8.46	11.5	17.8	25.4	35.9		17	1 88	2.21	3.6		6.5	3.79	10.5	5.02	6.16	7.33	10.2 8 48	13.0	24.6
CL4-PCB- C	0.129	< 0.0725	0.296	0.291	DR 0.331	0.567	0.483	0.100				0.12	< 0.0474	0.142	0.203	0.289	NDR 0.296	< 0.0476	< 0.0483	0.817		< 0.0472 N		< 0.0477	< 0.0469	< 0.0472	< 0.0469	< 0.0473	< 0.0466	< 0.0474	< 0.0475	< 0.0473	< 0.0505	< 0.0470		0000	<0.0320	0.27	<0.0500		< 0.0486	<0.0521	< 0.0488	< 0.0509	< 0.0480	< 0.0484	<0.0464	0.0400	<0.0529
CL4-PCB- C			1.41						< 0.0449			۵.	+	0.713	0.867		T	2.46		_	2	< 0.0472		0.308	t		l		П					2.23		0440	t	0.204	H		r	t		0.301	1	1	0.726	T	1.45
CL4-PCB- C	1.01	0.571	1.28	4	94.1	17.7	1.32	1	0.08			NDR 0.348	0.537	0.55	0.678	0.927	0.884	1.92	2.15	2.97	NDR 0.085 N			0.525	0.244	0.298	0.304	0.269	0.312	0.476	0.548	0.742	1.04	1.2		202.0	0 182	0.184	0.296		0.288	0.266	0.548	0.287	0.311	0.355	NDK 0.565	0.392	NDR 0.961
CL4-PCB- C	1.73	1.24	2.4	2.24	2.45	2.98	9.1		NDR 0.061		ı		2.49	2.99	3.38	4.42	3.8	9.9	7.45			< 0.0472 N		1 12	0.94	1.13	1.11	1.16	1.26	1.85	2.46	4.77	7.07	9.01		Г	Т	0.648	0.967		1.24	0.902	1.95	1.09			2.38 1.70		5.42 N
CL4-PCB- C	92.5	78.3	126	133	143	9/1	101	t	1.78 NI			62.2	101	104	129	160	126	249	265	317		0.63		35.2	34.4	38	36.7	38.8	40.9	67.9	88	138	189	380		-	+	-	35.3		43.5	36.7	6.97	36.9	45.9	53.1	87.3	00.0	230
CL4-PCB- Cl	18.8	17.9	25.9	23.9	29.5	34.1	17.	18.0	0.567		-	18.9	32.6	8 5	35.2	47.6	39.5	87.9	83.7	103	1.57	0.223		116	11.3	12.8	12.2	12.9	13.2	19.5	25.2	47.8	67.9	142		6 10	6.12	7.17	10.8		11.7	8.38	19.7	9.4	10.7	15.5	20.3	73.3	52.8
CL4-PCB- Cl	2.99	2.27	4.06	3.77	4.15	4.84	2.83	+	NDR 0.074			2.18	3.21	3.62	4.52	5.21	4.15	8.28	8.84	10.9	0.136	< 0.0472		137	1.29	1.49	1.46	1.57	1.61	2.44	3.04	5.15	7.36	14		72.0	0 7 99	0.915	1.37		1.56	1.16	2.67	1.39	1.66	2.02	3.07	3.26	7.18
CL4-PCB- C	131	108	171	1/8	185	427	12/	t	2.36 NI			105	169	190	208	284	193	407	402	458				62	59.7	64.7	64.5	2.79	8.89	105	130	220	288	620			31.4				69.2	56.7	126	58.5	67.8	84.4	133	130	335
CL4-PCB- CI 60 61/	19.7	14.8	24.9	25.5	20.4	7.67	16.1	5.3/	0.363		-		23.8	1		37.9			_	78.1	_	0.134		639	8.38	10	9.81	10.6	10.8	17.2	21.5	40.2	53.6	106		700	4 78	5.28	8.29		12.6	9.86	19	10.2	12.2	15.8	73	10.1	59.3
CL4-PCB- CL 59/62/75	4.78		7.2		+		+	+	+		-			6.64	-	9.98	+	_		4	0.366						2.48			4.06			13.9			F	127				F	1.83		2.05		-	4.49	+	11.5
.4-PCB- CL. 58 59		< 0.487						10K 0.244	\perp		L	ရွ		0.364		0.67				_	_			CBO 092	,		80.0							1		L	1	1	<0.132										
ರ	28 < (.491 < (363 0.	0.432 NDF	35/ 0.	449 0.	291 0.		< 0.0449 < 0		ŀ	z	+	0.344 0.	_	_	_	_	_	_	< 0.0486 < 0	_		Z	< 0.198 < (+	+			0.265 0				1.16		⊢	+	+	<0.135 <0		202 < (0.133 <0	265 < (156 0.	136 NDF	19 < 0	0.295	108	NDR 0.710 NDR 0.510
CB- CL4											ŀ	1	1	1	1	t	+							3	+	17.7 0.			Н			+	_			t	T	T	T										
CB- CL4-P			46.6	+				\perp	49 0.733		ŀ		-	42.9	-						8 1.67			7 17									_	2 187		0 10	1		15.6		L	15.9		Ц		_	7.78	+	101
3- CL4-PC			0.906	0.98	0.98	1.15		0.233	< 0.102			ž		1.4	1.78	2.11	1.67	7.04		3.42	0.088	< 0.04		0 49	+		8 0.477			0.88				10.2		Н	+	+	<0.128		< 0.1	<0.113					4 17		0 <0.235
CL4-PCB- CL4-PCB- CL4-PCB- CL4-PCB- CL4-PCB- 52 56 57	< 0.113	NDR 0.107	0.127	0.146	0.197	0.452	0.152	NUK U.US	< 0.0638			0.111	0.144	NDR 0.15	0.212	0.173	0.238	0.572	0.491	NDR 0.489	NDR 0.205	< 0.0472		90.0	NDR 0.061	< 0.0472	NDR 0.058	0.057	NDR 0.06	0.086	0.106	0.31	0.312	0.59		0000	0.079	0.112	0.141		0.067	<0.0521	960.0	NDR 0.056	0.068	NDR 0.11	0.072	0.100	NDR 0.290
CL4-PCB- 52	61.7	59.9	90.7	1.07	103	132	84.5	21.4	1.84			26	100	120	93.1	156	8.96	287	232		3.89			28.6	30.1	30.1	29.5	30.7	29.4	43.8	9.09	86.5	101	338		16.4	14	17.7	30.9		27.9	18.7	46.9	21.5					117
CL4-PCB- 6	5.39	5.24	9.24	76.0	9.1.9	6.01	11	3.95	0.304			5.23	9.7	9.36	8.34	13.6	13	33.7	32.2	36.2	0.946	NDR 0.147		2.57	2.57	2.9	2.64	2.84	3.14	4.28	6.1	13.8	14.8	41.4		ND 4 44	1 46	1.92	2.55		2.52	1.64	4.22	NDR 1.84	2.28	4.05	3 55	3.33	13.1
Sample Depth (cm)	Core 1	1-2	3-4	/-0	9-10	12-14	14-16	18-20	50-55	6 6 6 6	Core 2	0-1	1-2	3-4	2-9	9-10	12-14	14-16	14-16 (Duplicate)	18-20	25-30		Core 3	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	40-45	7 020			14-16 (Duplicate)	30-35	Core 5	0-1	1-2		2-9	9-10	12-14	14-16	25-30	45-50

Table 7: Continued.

CL4-PCB- 80	2,000	< 0.129	< 0.147	< 0.118	< 0.160	< 0.0903	< 0.123	< 0.147	< 0.214	< 0.182	< 0.272		< 0.266	<0.192	< 0.273	< 0.348	< 0.293	< 0.0738	< 0.182	<0.0801	< 0.357	< 0.119	
CL4-PCB- Cl	3000			NDR 0.445	0.537	NDR 0.582 <	NDR 0.581	NDR 0.532	0.705	92.0	1.04		NDR 0.441	0.345	< 0.259	0.478	0.512	> 0.255	0.389	NDR 0.596 <	NDR 0.610	< 0.113	
	0,000	< 0.0807	< 0.159	< 0.128 N	< 0.173	√ 20.0977 N	< 0.134 N	< 0.160 N	< 0.233	< 0.197	< 0.295		< 0.307 N	<0.206	< 0.315	< 0.402	< 0.338	< 0.0789	< 0.210	<0.0860	< 0.412 N	< 0.137	
CL4-PCB- CL4-PCB- 77 78	9	3.45	3.85	4.58	5.36	5.59	6.02	5.97	6.63	8.08	9.21		NDR 2.90	2.1	3.18	4.86	3.11	2.36	3.81	2.42	5.37	NDR 0.335	
CL4-PCB- 73	0970	< 0.0469	< 0.0473	< 0.0468	< 0.0488	< 0.0488	0.48	0.469	NDR 0.558	0.542	0.777		< 0.0991	<0.0474	< 0.116	< 0.0857	< 0.0736	< 0.0462	< 0.147	<0.0501	< 0.124	< 0.124	
CL4-PCB- 72	0,000	0.249	0.211	0.291	0.291	0.393	0.35	NDR 0.351	0.37	0.495	0.665		< 0.264	<0.179	< 0.271	< 0.345	< 0.291	NDR 0.108	NDR 0.201	0.328	< 0.354	< 0.118	
CL4-PCB- 68	200	0.228	0.241	0.232	0.28	0.245	NDR 0.287	0.252	608'0	NDR 0.489	0.425		< 0.263	<0.179	< 0.270	< 0.344	< 0.290	< 0.0783	0.289	0.217	< 0.354	< 0.118	
CL4-PCB- 67	007.0	0.806	0.787	1.06	1.12	1.24	1.17	1.08	1.21	1.64	2.22		0.594	0.421	0.535	0.893	NDR 0.799	0.452	0.653	0.719	NDR 1.10	< 0.112	
CL4-PCB- CL4-PCB- 64 66	0.50	23.7	27.6	31.8	35.2	36.5	39.7	38.3	45.6	2.73	70.2		19.5	20	23.5	26.8	21.8	14.5	25.6	23.9	41.3	2.04	l
CL4-PCB-	7 40	6.45	7.49	8.99	10.1	10.6	11	10.4	12.3	12.1	15.8		5.17	5.26	5.69	7.14	5.43	4.16	6.41	6.57	12	0.56	
CL4-PCB- 63	G G	0.928	0.964	1.19	1.36	1.48	1.58	1.53	1.75	2.17	2.81		0.726	NDR 0.714	0.849	1.12	0.883	0.565	1.12	0.865	1.39	< 0.122	
CL4-PCB- 61/70/74/76	2	38.4	44.4	52.7	58.3	60.4	67.1	63.5	74.7	93.2	114		33.8	32.7	37	44.8	37.3	24.3	40.1	38.2	66.5	3.53	
CL4-PCB- 60	20.2	7.03	8.06	9.46	10.1	11	11.4	11	13.3	16.9	20.2		6.01	5.38	6.62	8.53	5.7	4.29	7.39	6.25	12.3	0.621	
CL4-PCB- 59/62/75	7 1	1.37	1.75	2.04	2.05	2.27	2.28	2.41	2.76	2.67	3.74		1.23	1.1	NDR 1.13	1.6	1.16	0.873	1.47	1.49	2.88	0.181	
CL4-PCB- 58	7000	< 0.0955	< 0.189	< 0.152	< 0.204	< 0.116	< 0.141	< 0.168	< 0.245	< 0.208	< 0.311		< 0.291	<0.192	< 0.299	< 0.381	< 0.321	< 0.0856	< 0.199	NDR 0.107	< 0.391	< 0.130	
CL4-PCB- 57	7 0 7	0.107	0.168	< 0.124	0.173	NDR 0.161	NDR 0.232	< 0.159	< 0.231	0.272	0.303		< 0.278	<0.192	< 0.285	< 0.363	< 0.306	< 0.0809	< 0.190	660.0	< 0.373	< 0.124	
CL4-PCB- 56	0	11.5	12.9	15	16.8	17.5	18.5	17.9	21.1	26.7	33		9.33	9.01	10.7	13.8	6.6	7.01	11.7	11	20.6	0.875	
CL4-PCB- 55	0 573	0.573	0.652	0.858	0.671	0.628	< 0.143	< 0.171	< 0.249	< 0.211	< 0.316		< 0.308	<0.201	< 0.315	< 0.402	< 0.339	< 0.0831	< 0.210	<0.0838	< 0.413	< 0.137	
CL4-PCB- 54	אס ס ממוא	NUR 0.0540.0466	< 0.0473	< 0.0468	< 0.0488	NDR 0.079	< 0.0469	0.053	NDR 0.048	< 0.0532	0.061		< 0.123	<0.0474	< 0.158	< 0.120	< 0.0932	< 0.0462	< 0.213	<0.0501	0.167	< 0.194	
CL4-PCB- CL4	70.7	14.7	17.8	21.2	24.8	26.5	24.8	25.2	28.1	27.8	36.4		12.6	13.6	12.3	16	15.6	9.25	14.9	16.3	25	1.73	
CL4-PCB- 50/53	2	1.38 NDR 1.32	NDR 1.63	1.98	2.54	2.43	2.47	2.37	2.54	2.59	3.59		1.12	1.14	1.25	1.71	NDR 1.42	1.09	1.8	1.83	3.3	< 0.155	
Sample Depth (cm)	Core 6	1-2	3-4	2-9	9-10	9-10 (Duplicate)	12-14	14-16	18-20	25-30	40-45	Core 7	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	

CL4-PCB- CL4-PCB- CL4-PCB- CL4	- CL4-PCB- CL4-PCB	- CL4-PCB- CL4-PCB	CL4-PCE	1	CL4-PCB-	CL4-PCB-		LA-PCB-	CL4-PCB-	B. CLAFTCB.	CL4-PCB-	CL4-PCB-	CL4-PCB	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-	CL4-PCB-
Number/sample 50/53 52 54 55 56 57 58 50 Depth (cm)	54 55 56 5/	/c 9c cc	/c 9c	/ c		ន		59/62/75	3	61//0//4//6	3	4	g	/9	8	7	۶)	<u> </u>	2	Ē,	200
3.2 35.7 NDR 0.084 0.67 18.8 < 0.159 < 0.164	NDR 0.084 0.67 18.8 < 0.159 < 0.11	0.67 18.8 < 0.159 < 0.10	0.67 18.8 < 0.159 < 0.10	< 0.159 < 0.11	< 0.1	< 0.164	\vdash	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
3.7 36 0.086 0.912 27.5 0.227 0.266	0.086 0.912 27.5 0.227	0.912 27.5 0.227	27.5 0.227	0.227		0.266		3.16	17.6	98.5	1.99	14	9.89	1.61	0.474	0.491	< 0.0843	9.52	< 0.179	0.937	< 0.154
5.8 60.6 < 0.208 < 0.406 33.7 < 0.375 0.451	< 0.208 < 0.406 33.7 < 0.375	< 0.406 33.7 < 0.375	33.7 < 0.375	< 0.375	Н	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
4.05 37.6 < 0.131 < 0.211 21.8 < 0.195 NDR 0.204	< 0.131 < 0.211 21.8 < 0.195 NDR 0	< 0.211 21.8 < 0.195 NDR 0	1 21.8 < 0.195 NDR 0	< 0.195 NDR 0	NDR 0			3.28	13.5	82	1.9	12.3	8'2'9	1.24	0.519	0.499	< 0.131	9.63	< 0.214	0.898	< 0.183
4.07 38.8 NDR 0.124 < 0.143 19 NDR 0.140 NDR 0.141	NDR 0.124 < 0.143 19 NDR 0.140 NDR 0.	< 0.143 19 NDR 0.140 NDR 0.	< 0.143 19 NDR 0.140 NDR 0.	NDR 0.140 NDR 0.				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
2.13 18.8 < 0.0723 0.444 12.1 0.09 < 0.0896	< 0.0723 0.444 12.1 0.09	0.444 12.1 0.09	12.1 0.09	60.0	Н	9680.0 >		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
3.83 39.6 0.084 1.12 27.2 0.201 < 0.125	0.084 1.12 27.2 0.201 < 0.12	1.12 27.2 0.201 < 0.12	27.2 0.201 < 0.12	0.201 < 0.12	< 0.12			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
0.838 8.48 < 0.0505 0.177 4.4 < 0.0878 < 0.0900	< 0.0505 0.177 4.4 < 0.0878	0.177 4.4 < 0.0878	4.4 < 0.0878	< 0.0878	Н	< 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
2.26 29 NDR 0.058 < 0.126 13.1 < 0.121 < 0.119	NDR 0.058 < 0.126 13.1 < 0.121 < 0.11	< 0.126 13.1 < 0.121 < 0.11	< 0.126 13.1 < 0.121 < 0.11	< 0.121 < 0.11	< 0.11			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
4.87 47.2 < 0.130 < 0.324 24.2 < 0.311 < 0.307	< 0.130 < 0.324 24.2 < 0.311 < 0.30	< 0.324 24.2 < 0.311 < 0.30	24.2 < 0.311 < 0.30	< 0.311 < 0.30	1 < 0.30	< 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
0.918 11 < 0.0452 < 0.131 5.59 < 0.126 < 0.124	< 0.0452 < 0.131 5.59 < 0.126 < 0.1	< 0.131 5.59 < 0.126 < 0.1	5.59 < 0.126 < 0.1	< 0.126 < 0.1	< 0.1	< 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
1.61 18 0.051 < 0.246 9.79 < 0.236 < 0.233	0.051 < 0.246 9.79 < 0.236 < 0.23	< 0.246 9.79 < 0.236 < 0.23	9.79 < 0.236 < 0.23	< 0.236 < 0.23	< 0.23	< 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
5.34 53.1 NDR 0.094 1.65 32 < 0.209 < 0.207	NDR 0.094 1.65 32 < 0.209 < 0.20	1.65 32 < 0.209 < 0.20	1.65 32 < 0.209 < 0.20	< 0.209 < 0.20	< 0.20	< 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
13 152 < 0.267 < 0.867 52.4 < 0.832 < 0.821	< 0.267 < 0.867 52.4 < 0.832	< 0.867 52.4 < 0.832	. 52.4 < 0.832	< 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
2.7 26.5 < 0.130 < 0.206 13.1 < 0.197 < 0.195	< 0.130 < 0.206 13.1 < 0.197 < 0.19	< 0.206 13.1 < 0.197 < 0.19	13.1 < 0.197 < 0.19	< 0.197 < 0.19	< 0.18	< 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																					
2.38 27.3 NDR 0.063 0.618 12.9 < 0.305 < 0.306	NDR 0.063 0.618 12.9 < 0.305 < 0.30	0.618 12.9 < 0.305 < 0.30	0.618 12.9 < 0.305 < 0.30	< 0.305 < 0.30	< 0.30			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
2.64 26.6 0.068 0.591 14.9 < 0.161 < 0.162	0.068 0.591 14.9 < 0.161 < 0.1	0.591 14.9 < 0.161 < 0.10	14.9 < 0.161 < 0.11	< 0.161 < 0.1	I < 0.1	< 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
2.63 20.8 0.067 0.633 11.8 < 0.128 < 0.128	0.067 0.633 11.8 < 0.128	0.633 11.8 < 0.128	11.8 < 0.128	< 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
4 20 4 F 2 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1200 GGIN 100 0120	1000 GGIN 1000	100000	CLOC 0 - 150 0 0018	01000	ı	4 00	00 2	700	0040	02 2	40.5	0 5 5 5	170	0.450	9900	7110	210001	7000	0000

Table 7: Continued.

CL5-PCB- 107/124	4.91	3.84	5.69	5.5	6.37	4.16	1.24	0.198		4.44	9.49	9.36	8.67	13.1	7.74	10.3	17.5	DR 0.243	< 0.112	4	2 93	2.03	1.9	2.14	2.23	3.48	4.42	6.53	16.6		NDR 0.757	0.785	2.05		1.7	1.54	2.5	1.54	1.85	3.57	0.07
CL5-PCB- C	\vdash		+	+	+	-		< 0.0831 < 0.120		< 0.160	< 0.507	< 1.44	< 0.254	< 0.994	< 0.573	< 0.338	< 0.327	< 0.0848 N		2,0	< 0.123	< 0.0902	< 0.0639	< 0.103	< 0.0868	< 0.127	< 0.0721	< 0.153	< 0.722		<0.225 N	T			29600 >	<0.170	< 0.116	< 0.164	< 0.133	< 0.107	-0.233
CL5-PCB- C	-			l				1.35		F					115		T			F	t	$^{+}$	24.5			t					8.23	+			F				25.3		
CL5-PCB- C	NDR 0.098	< 0.0725	< 0.0496	< 0.0462	NDR 0.055	< 0.0576	< 0.0469	< 0.0461		< 0.0471	< 0.0474	NDR 0.056	< 0.0478	< 0.0491	< 0.0462	0.074 0.074	NDR 0 109	0.068	< 0.0472	777	× 0.0477	< 0.0422	< 0.0469	< 0.0473	< 0.0466	< 0.0474	< 0.0473	< 0.0585	NDR 0.055		<0.0768	<0.0494	<0.0519		< 0.0532	<0.0521	< 0.0488	< 0.0542	< 0.0489	< 0.0534	10.07
CL5-PCB- (-	348				_			1	-	+	1	Н		3.51	_	+	+	-	H	t	\dagger	0.387		Ŧ	t	╁	Н	NDR 3.43 N		0.163				L	NDR 0.176	0.402		4	0.524	
	NDR 0.536	H	0.842	0.03	1.22			< 0.0461 N				1.33			1.43		t	t	~	3200	NDR 0 286	0.312	0.312	0.307	0.351	0.544	0.833	H			NDR 0.156	NDR 0.176 F	0.27		_	1	NDR 0.294	0.159	NDR 0.233	0.297 NDP 0.404	
CL5-PCB-94 CL5-PCB-96	0.563	H	+	+	+	-	H	< 0.0776 < 0.0703		0.498	NDR 0.951	1.34	0.959	1.82	1.33	5.5	3.33	NDR 0.101	< 0.0657		T	T	0.274	0.29	0.288	0.374	0.642	0.997	5.64		<0.164	NDR 0.118	NDR 0.276		_	NDR 0.145	H	-	+	0 330 L	
CL5-PCB- C 93/95/98/100 /102	78.7			l				2.86					174	357	234	580	473	11.1		cc	37.7	33.4	34.6	36.8	37.6	55.1	7.77	105	330		12.8					19			22.4	Ť	
CL5-PCB-92	20.7	16.4	25.1	26.3	31.6	22.4	6.77	0.572		22.2	41.6	54.7	39.7	77.3	50.3	103	103	1.35	0.174	970	9.40	8.65	8.64	9.39	9.61	13.8	17.9	25.9	74.2		3.48	3.56	7.56		69.9	5.29	9.52	5.23	6.43	13.1	
CL5-PCB- C	113	93.6	143	148	175	120	38	3.29		123	230	317	225	446	280	638	546	6.95	0.877	7.97	62.4	48.3	48.4	52.9	52.8	75.9	86	137	404		17	18.6	40.8		36.5	30.3	55.5	29.5	36.5	73.0	
CL5-PCB-89	1.26	1.25	1.84	1 02	2.27	1.61	0.515	< 0.0748 < 0.0722		1.69	3.24	3.87	3.53	9	5.41	10.0	13.7	0.434	< 0.0675	091	0.200	0.73	9.0	0.662	0.672	1 19	2.08	< 0.175	9.44		<0.174	<0.0823	0.604		< 0.0940	0.316	0.635	< 0.0786	< 0.0904	V 0.005/	
CL5-PCB- (88/91	15.1	11.9	20.3	7.00	29.8	20.6	7.09	0.537 NDR 0.398		14.4	28.8	36.3	29.1	53.8	36.5	73.1	82.3	NDR 2.07	0.176	00	98.99	5 92	6.35	6.8	6.87	10.2	15.7	24	68.2		2.71	2.82	5.71		4.56	3.28	6.74	3.8	4.48	0.40	
CB- 86/87/97/108 /119/125	78.9			İ				2.48		79.4	155	194	157	274	164	346	342	6.7	0.567	c	45.1	34.6	34.9	38.1	38	56.3	76.9	107	320		11.8	13.1	28.3		26.4	20	38.7	22.1	26.8	53.1	
CL5-PCB- 85/116/117	27.6	21.7	35.4	34.4	38.5	23.8	7.34	0.62		22.6	42.3	48.9	46.5	76.5	49.6	11/	112	2.59	0.201	9	12.6	10	10.2	10.9	11.6	18.1	24.7	38.1	98.7		4.18	54.43	8.77		96	6.94	13.9	8.08	9.83	10.1	
CL5-PCB-	24.8	21.6	30.9	37	42.2	31.5	9.19	NDR 0.928 0.635		30.5	64.6	80.5	61.2	111	75	168	164	3.87	0.312	Ç	12.9	10.4	10.6	11.6	12	18.6	27.3	37.9	133		4.42	4.55	9.89		7.58	5.59	11	6.19	7.67	15.7	
CL5-PCB- 83/99	93.8	70	124	131	161	99.2		2.3		69	125	150	141	247	182	300	353	6.68	0.73	2	37.5	32.4	34	35.7	37.5	55.4	7.77	195	279		13.4	13	27.7		49.4	20.5	41.7	41.2	50	54.2	
CL5-PCB-	15.2		18.5				4.11	0.387		14.5					30.8				ΙĐ	77			6.42				16.6	24.5	66.3		2.32	7.27	5.37		5.37				5.05	11	
CL4-PCB-	NDR 0.480	< 0.470	0.533 NDP 0.583	0.584	0.749	0.458	NDR 0.181	< 0.152 < 0.0449		0.278	NDR 0.572	NDR 0.562	0.692	0.833	0.676	NDR 1.43	1.52	9	< 0.0472	0.465	NDR 0.312	0 138	0.146	0.185	0.204	0.347 NDR 0.576	0.663	1.27	NDR 1.59		<0.144		0.128		NDR 0 279	0.136	NDR 0.368	NDR 0.168	0.132	0.285	1
Sample Depth (cm)	Core 1 0-1	1-2	3-4	9-10	12-14	14-16	18-20	25-30 50-55	Core 2	0-1	1-2	3-4	2-9	9-10	12-14	14-16 7.16 (Duplicate)	4-10 (Duplicate)	25-30	35-40	Core 3		3-4	3-4 (Duplicate)	2-9	9-10	14-16	18-20	25-30	40-45	Core 4	1-2	14-16 14 46 (Duplicate)	30-35	Core 5	0-1-0	1-2	3-4	2-9	9-10	14-16	2

Table 7: Continued.

-00+00	107/124	2.3	2.61	4.41	2.42	2.43	1.25	2.63	0.482	1.52	NDR 2.30	0.53	0.998	3.09	7.98	1.42			1.81	1.81	1.81 1.81 0.895
-02-53	106 10	< 0.134	< 0.117	< 0.325	< 0.239	< 0.138	< 0.119	< 0.109	< 0.0586 (< 0.173	< 0.451 NE	< 0.0827	< 0.161 (< 0.331	< 1.12	< 0.243			< 0.174	< 0.174	\mathbb{H}
יייי יייי	105	> 28.6	> 33.9	> 25.1	33.5 <	30 <	> 21	> 29.7	5.68 < (> 9.61	35.5	7.28 < (14.1	41.2 <	105 <	> 19.5			> 17.9	\mathbb{H}	
יייייייייייייייייייייייייייייייייייייי	104	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	< 0.0535	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130			< 0.0491		
	103	0.411 <	0.462 <	> 86.0	> 0.457 <	0.384 <	0.225 <	NDR 0.652 <	> 8690.0 >	0.255 <	NDR 0.541 <	0.104	NDR 0.209 <	0.719	> 86.1	> 0.319 >			NDR 0.302 <		
200		0.296	0.283 (0.525 (NDR 0.284 (0.295 (0.152	0.346 ND	NDR 0.063 <	0.186	0.272 ND	0.07	NDR 0.101 ND	0.308	1.04	0.19			0.252 ND		18
יום ביים		NDR 0.218 (0.227	NDR 0.584 (NDR 0.344 ND	NDR 0.229 (NDR 0.132 (NDR 0.444 (< 0.0854 ND	0.137	0.276	< 0.0452	0.126 ND	0.309	0.956	NDR 0.186			0.205	85	+++
יויי כיי	93/95/98/100	43.3 ND	33.7	QN 6.89	39.5 ND	41.2 ND	19.3 ND	46.8 ND	> 2.84	25.4	43.4	> 26.7	13.4	51 (166 (24.3 ND			28.3	H	H
OCCUPANT OF STREET	3/86	9.54	20.6	17.8	10	10	4.71	10.4	1.85	6.33	10.9	2.2	4	12.1	38.8	6.14			7.71	\parallel	\mathbf{H}
10 -00 -00	90/101/113	54.5	50.8	98.5	55.9	53.4	26.2	9.69	11	37	59.8	12.6	23.8	71.3	233	33.1			41.7	41.7	41.7 38.5 19.2
2000	/06	0.726	0.65	1.15	0.828	0.664	0.324	0.864	NDR 0.148	0.415	0.715	NDR 0.141	NDR 0.284	NDR 1.00	2.61	0.489			0.455	22	
יוכרי כרי	88/91	7.41 0	6.35	13.3	7.54 0	0.83	3.68	8.27	1.4 ND	4.57	8.44	1.48 ND	2.98 ND	9.42 ND	29	4.48 C			5.02	H	
5	108	41.3	38.3	9.89	39.2	40	20.1	46	69.7	76.5	46.2	8.79	8.85	52.9	149	24.4			28.2		H
	85/116/117 86/87/97/ /119/12	13.2	14.2	25.8	15	12.9	7.59	15	2.59	8.45	17.4	3.07	6.02	18.9	51.3	8.76			7.83		
יייייייייייייייייייייייייייייייייייייי	84 85/7	13.6	11	21.3	11.8	13.3	6.24	14.4	2.35	8.45	13.8	2.47	4.63	16.4	49.6	7.5			8.99	\vdash	H
	83/99	38.6	42	81.4	47.1	38	20.8	45.5	7.98	24.9	45.3	9.51	17.2	53.3	165	26.4			27.1	27.1	27.1 26.1 13.2
-0-1-CI-0	82	7.63	7.91	13.5	1.88	7.83	4.21	9.03	1.51	5.31	9.62	1.77	3.43	10.9	29.1	2.07			4.25		
	81	0.294	0.332	NDR 0.450	NDR 0.363	0.218	0.153	0.365	< 0.0823	< 0.123	< 0.326	< 0.125	< 0.236	NDR 0.363	< 0.818	< 0.201		SOF	4 ps < 0.310	4 0.310NDR 0.165	 0.310 NDR 0.165 NDR 0.145
5	Number/Sample Depth (cm)	8/1-2	9/1-2	10/0-1	11/0-1	12/0-1	13/0-1	14/0-1	15/0-1	16/0-1	17/0-1	18/0-1	19/0-1	20/0-1	21/0-1	22/0-1	T to a similar	Sediment Ira	A1 TOP	A1 TOP A1 BOT	A1TOP N A1TOP N A1BOT N B1TOP N

Table 7: Continued.

CL6-PCB-	2.66 1.85 3.57 3.06 3.25 3.25 3.29 2.03 0.971 0.971 NDR 0.070	2.75 6.01 6.01 6.4 5.64 5.44 6.44 15.3 15.2 NDR 0.366 <0.0472	1.06 1.36 1.07 1.07 1.16 1.18 2.17 2.17 5.96	0.474 0.413 NDR 0.821	NDR 0.836 0.89 1.16 0.694 0.796 1.07 1.74 1.74 1.16 1.16 3
CL6-PCB- 132	43.3 31.6 51.8 46.1 48.3 51.7 29.3 10.3 12 0.525	63.9 159 175 172 174 171 171 173 301 6.12 0.445	18.9 27.9 20.6 20.6 22.3 22.1 30.1 36.4 4.9 62.8 160	6.12 7.44 6.88 15.8	12.6 15.1 19.1 11 13.7 13.7 18.6 28.1 27.1 27.1
CL6-PCB-	1.53 1.11 1.6 1.66 1.66 1.06 0.401 < 0.113 < 0.0449	2.41 6.23 5.85 4.67 8.05 4.92 10.1 10.1 NDR 0.225 < 0.0472	0.669 1.25 0.844 0.822 NDR 0.848 0.784 1.04 1.26 1.53 2.41 6.53	NDR 0.244 0.275 0.251 0.646	0.479 0.435 NDR 1.75 0.31 0.439 0.737 0.94 0.668 0.857
CL6-PCB-	10.7 7.97 12.9 11.9 11.5 12.3 8.28 2.9 NDR 0.227 0.19	12.3 31.7 28.1 28.1 27.8 27.8 77.6 67.8 66.1 1.45 NDR 0.126	4.14 6.24 4.92 4.66 4.64 4.86 6.3 8.04 9.59 13.3	1.54 1.99 1.76 3.93	3.49 3.91 4.8 2.87 3.77 5.05 7.82 4.32 6.93
CL6-PCB- 129/138/160/ 163	175 129 216 205 205 194 209 116 43.3 3.99 2.15	205 476 467 467 393 685 685 685 1070 1020 1020 19.2 1.27	65.8 94 94 87.5 74.4 76.1 76.1 117 117 144 191	23.3 27.3 25 54.2	52.9 60.3 86.7 45.6 55.6 79.6 117 70.9
CL6-PCB- 128/166	27.8 20.8 33.9 31.2 31 32.2 18.9 6.38 NDR 0.645 0.365	32.4 77.6 77.6 77.2 66.7 110 70.2 138 138 3.63 0.197	10.7 16.4 12.5 11.9 12.2 12.7 12.7 18.7 19.1 24 31.5	3.78 4.72 4.31 9.74	8.37 8.98 12 7.32 9.3 15.2 20.2 11.3 16.9
CL5-PCB- 127	 < 0.180 < 0.369 < 0.136 NDR 0.236 0.256 0.249 NDR 0.096 < 0.0844 < 0.124 	0.201 1.11 1.14 0.536 0.978 0.564 1.39 0.0740 0.0740 0.0835	 0.131 0.0046 0.0050 0.0070 0.0010 0.031 0.29 0.29 0.167 	<0.247 <0.0932 <0.206 <0.238	 <0.0993 <0.176 <0.126 <0.136 <0.136 <0.110 <0.311 <0.126 <0.016
CL5-PCB- 126	0.884 0.575 1.21 1.08 1.15 1.15 1.44 0.897 < 0.092 < 0.125	NDR 0.407 0.894 2.06 0.895 1.65 1.08 1.08 1.88 1.88 NDR 0.212 < 0.112	0.317 0.43 0.261 0.261 0.345 0.455 0.669 0.609 0.856 1.23	<0.256 0.111 <0.219 <0.245	NDR 0.268 NDR 0.246 0.548 NDR 0.285 0.29 0.305 0.589 0.563 0.553
CL5-PCB- 123	2.43 2.26 3.04 2.83 2.94 3.44 2.07 0.767 NDR 0.102	1.92 4.88 4.86 3.71 7.61 7.61 11.4 8.97 8.85 0.265	1.3 1.95 1.58 1.34 1.34 1.24 1.27 1.97 2.45 4.16 8.96	0.54 NDR 0.414 0.651 0.981	1.02 0.863 1.6 0.999 0.998 1.23 1.79 1.66 2.16
CL5-PCB- 122	1.54 1.36 1.72 1.72 1.78 1.78 2.11 1.64 0.486 < 0.0928	1.38 1.38 NDR 2.63 2.78 4.75 2.95 8.65 7.48 6.39 NDR 0.161	<u> </u>	0.304 0.34 NDR 0.303 NDR 0.614	0.514 NDR 0.566 1.05 NDR 0.464 0.8 NDR 0.734 1.16 0.871 1.16
CL5-PCB- 121	NDR 0.078 0.098 0.111 NDR 0.126 0.112 NDR 0.157 0.074 < 0.0524	 0.0471 0.0700 0.168 0.086 0.086 0.086 0.0780 0.0780 0.0780 0.074 0.077 0.0486 0.0489 	 0.0477 0.0521 0.0521 0.0482 0.0469 0.0466 0.0466 0.0474 0.777 0.0473 0.0473 0.0113 0.118 	<0.121 <0.0587 <0.103 <0.128	 0.0664 0.0685 0.0554 0.0554 0.0605 0.0605 0.0605 0.0703 0.0703 0.0703 0.0703 0.0703
CL5-PCB- 120	0.831 0.538 1.02 1.13 1.19 1.69 1.12 0.529 NDR 0.054	0.36 NDR 0.649 NDR 0.752 0.926 0.955 2.2 2.3 2.8 2.68 2.68 2.68 2.68 2.0491	0.17 NDR 0.162 NDR 0.170 0.186 0.33 < 0.768 0.516 0.858 0.858	<0.121 NDR 0.126 <0.103 NDR 0.155	NDR 0.235 0.245 0.35 NDR 0.206 NDR 0.290 0.495 0.363 NDR 0.290 0.495 0.782
CL5-PCB- 118	142 118 174 165 174 198 132 40.5 3.18	109 250 313 228 468 468 272 612 612 524 473 11.1	51.7 75.1 53.6 54.8 57.9 57.9 68.5 96.8 17.3 17.4	18.2 19.2 21.3 45.6	50.5 33.9 77 77 42.8 51.7 63.2 86.2 65.8 96.8
CL5-PCB- 114	2.49 1.95 2.59 2.59 2.6 2.75 1.71 0.604 NDR 0.213	2.25 4.88 5.73 4.45 9.02 4.92 1.2 9.01 8.01 NDR 0.230 < 0.0969	1.16 1.77 1.27 1.38 1.32 2.03 2.03 2.93 4.33 11.3	0.449 0.458 NDR 0.478 0.905	0.687 1.6 0.942 1.19 NDR 1.40 1.52 1.47 2.3 4.05
CL5-PCB-	 0.0019 0.0735 0.0496 0.0482 0.0497 0.0469 0.0469 0.0576 0.0502 	 0.0471 0.0471 0.0839 0.0681 0.0489 0.170 0.160 0.176 0.176 0.176 0.178 0.0489 0.0488 	 0.0477 0.0477 0.0522 0.04082 0.0466 0.0466 0.0466 0.0477 0.0473 0.0473 0.0118 0.119 	<0.113 <0.0578 <0.0958 <0.119	 0.0637 0.088 0.0488 0.0488 0.0532 0.0613 0.0581 0.0505 0.0645 0.0645 0.0645 0.0645
CL5-PCB-	NDR 0.214 0.107 NDR 0.267 0.263 0.309 0.404 0.196 < 0.0532 < 0.0532	NDR 0.058 NDR 0.058 NDR 0.0135 NDR 0.141 NDR 0.142 NDR 0.340 NDR 0.340 NDR 0.340 NDR 0.340 NDR 0.340 NDR 0.340	 0.0477 0.0519 0.0519 0.0465 0.0468 0.068 0.069 0.097 0.097 0.097 0.120 NDR 0.126 	<0.124 <0.0575 <0.105 <0.131	 0.0647 0.0709 NDR 0.101 0.0541 0.0541 NDR 0.065 0.0589 NDR 0.071 0.105 NDR 0.142 NDR 0.142 NDR 0.142
CL5-PCB- 110/115	130 99.2 152 147 118 118 118 39.3 3.42			19.6 21.2 21.3 46.3	33.8 60.2 60.2 34.7 41.3 50.3 84.8 51.4 77.6
CL5-PCB-	12.7 9.13 14.6 14.6 15.2 17 17 11.2 3.63 0.326	8.2 17.1 17.3 17.3 17.3 26.1 16.3 44.5 39.7 37.7 0.6	3.64 5.42 3.73 3.88 3.88 3.88 4.05 4.05 6.27 8 8 8 8 8 12.8 12.8	1.53 1.78 NDR 1.71 3.56	3.72 3.19 6.3 3.24 3.76 4.66 7.55 4.61 6.82
Sample Depth (cm)	Core 1 0-1 1-2 1-2 3-4 6-7 9-10 12-14 14-16 18-20 25-30 50-55	Core 2 0-1 1-2 1-2 1-2 9-10 12-14 14-16 (Duplicate) 18-20 25-30 35-40 Core 3	0-1 1-2 3-4 (Duplicate) 6-7 9-10 12-14 14-16 18-20 25-30 40-45 Core 4	1-2 14-16 14-16 (Duplicate) 30-35 Core 5	0-1 1-2 3-4 6-7 9-10 12-14 14-16 18-20 25-30 45-60 45-

16.4 17.3 7.67 8.6

0.636 NDR 0.662 0.324 0.299

3.88 3.94 1.85 2.23

61.6 59.8 28.5 33.6

0.278 < 0.180 NDR 0.265 < 0.115 0.154 < 0.112 NDR 0.171 < 0.165

NDR 0.187 < 0.0507 NDR 0.450 NDR 0.199 < 0.116 0.589 < 0.131 < 0.140 NDR 0.297 0.132 < 0.0538 NDR 0.350

42.1 23.1 25.8

0.923 1.01 0.5 0.547

41.8 42.4 19.9 23

Sediment Traps
A1 TOP
A1 BOT
B1 TOP
B1 BOT

Table 7: Continued.

	109	110/115	111	112	114	118	120	121	122	123	126	127	128/166	129/138/160/	130	131	132	133
Core 6																		
0-1	2.31	23.6	< 0.0469	< 0.0469	669.0	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
34	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	3.16	36.9	< 0.0502	< 0.0477	0.752	35.2	0.178	< 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 (Duplicate)	<u> </u>	38.1	NDR 0.050	< 0.0488	1.03	46	NDR 0.167	< 0.0488	0.602	1.11	0.37	80600 >	7.53	47.1	3.31	NDR 0 443	12	0.771
12-14		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 40-45	5.09	37.2	< 0.0486	< 0.0485	1.19	59.8	0.23 NDR 0.272	< 0.0505	0.814 NDR 0.787	NDR 1.17 NDR 1.17	0.449 NDR 0.529	< 0.171	9.59	59.9	4.08	0.454 NDR 0.667	14.9	0.956
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
2-9	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	NDK 0.476
25-30	0.20	1 94	< 0.23/	< 0.220	0.001	287	< 0.224	< 0.234	NDR 0.407	0.7.30	< 0.506	< 0.377	4.45 NDP 0.428	26.3	0.103	< 0.207	7.57 0.868	0.518
40-44	0.633	680	70.0500	2010	NIDD 0 053	0.808	00.02	00000	0200	00000	00000	00.00	0.779	NDD 0 528	70,0500	0000	0.000	009007
-	280.0	600.0	0.000	0000	0000 NON	0000	0000	00000	0000	00000	0000	00000	0.0.0	0.550 NON	0000	00000	0.130	0000
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	6.87	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	3.15	13	< 0.0582	< 0.0541	0.763	12.3	< 0.0545	< 0.0583	NDK 0.104	0.27	0.102	< 0.0620	2.97	76.3	3.03	0.154	4.23	NDK 0.234
17/0-1	5.81	72.2	< 0.130	< 0.130	1.4	71.7	NDR 0.354	< 0.130	626.0	NDR 1.20	< 0.486	< 0.496	15.6	9 66	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	< 123	55.1	340	10 1	2 57	83	4 89
7 0/00												0		5	-	10:3	8	

Table 7: Continued.

5.61 1.49 13.1 4.08 1.58 10.5											
1.58 10.	< 0.162	3.67	< 0.0468 25.8	404	0 35	NDB 0.246	NO DO	157	NDP 0.083	13.7	8 30
	- 10				NDR 0.239	0.137	NDR 0.089	111	< 0.0725	11.4	7.24
2.63	< 0.202		0.0496 33.4	138	0.514	0.324	0.145	200	< 0.0496	14.9	8.53
		4.43 NE	4		NDR 0.355	NDR 0.289	0.106	178	NDR 0.053	14.8	8.94
2.84					0.504	0.364	0.134	189	NDR 0.053	15	9.08
3.12					0.566	0.565	NDR 0.152	201	NDR 0.047	16.6	10.3
				84.5	NDR 0.406	0.365	NDR 0.109	113	0.059	10.6	7.05
0.742		_	4		0.355	0.231	< 0.0469	46.2	NDR 0.056		2.53
NDR 0.253 < 0.103 0.586 < 0.0449 < 0.0449 NDR 0.214	214 < 0.0449	0.087 ×	< 0.0461 0.742 < 0.0449 0.406	2.62	< 0.0461	< 0.0461	< 0.0461	3.06	NDR 0.057 < 0.0449	0.574	0.095
										1	
	-										
_	7 < 0.209	9.14	0.067 27.1	1 151	NDR 0.263	0.255	NDR 0.122	159	< 0.0471	22.7	19
7.41					0.499	0.502	0.251	362	NDR 0.056	63.9	48.2
6.82					0.516	0.237	< 0.0478	361	< 0.0478	51.6	46.6
6.56					0.54	0.593	0.253	301	< 0.0478	44.4	36.9
10.4					0.718	0.312	< 0.0491	526	< 0.0491	78.8	6.99
99.9		20.8	0.106 62.5	5 354	0.642	NDR 0.187	< 0.0462	351	NDR 0.048	47.5	42.2
18.9					1.46	1.85	0.658	856	NDR 0.075	124	108
16.3					1.52	1.76	0.545	850	0.092	109	100
14.2					1.63	1.88	0.534	710	NDR 0.090	96	85
0.466		+			0.156	< 0.0486	< 0.0486	11.2	< 0.0486	1.8	1.61
NDR 0.097 < 0.0472 NDR 0.	.149 < 0.0472	NDR 0.048 <	< 0.0472 0.24		< 0.0472	< 0.0472	< 0.0472	NDR 1.21	< 0.0472	0.16	NDR 0.095
1.06			< 0.0477 9.31	1 43.3	NDR 0.139	0.091	NDR 0.050	55.3	0:099	7.93	5.51
1.62		3.32 <	< 0.0469 13		0.141	NDR 0.102	NDR 0.060	75.3	660.0	12.9	9.23
3.27 1.18 14.4	< 0.0920				0.169	0.147	0.048	76.9	0.106	9.46	7.15
CI.13	t	1	1		0.148	_	0.00	67.5	0.129	8.51	0.99
1	< 0.0860	78.7	< 0.04/3 10.2	8.44.8	NDR 0.127	NDK 0.090	NDK 0.051	62.6	0.086	8.93	6.41
1.20	t		1		NON 0.143	_	0.030	01.0	0.040	7.7	0.0
	ł	3.03	< 0.04/4 13.	000.1	0.15	NDR 0.123	0.055	80	< 0.0474	1.1	7.00
0.00	0.133		1		NDR 0.229	0.144	NDR 0.081	97.2	< 0.0475	4	9.07
27.10	1		1		0.246	_	0.088	114	< 0.0473	2 2	9.01
			0.066 29.9	134	NDR 0.479	_	0.149	330	< 0.0505	17	0.4.0
2000	1	2			0.50.0	0.450	·	8	0.00	9	P.
Ш		4			NDR 0.068	Ш	<0.0520	20.9	<0.0520	2.26	1.86
1 0.393 3.19	9 <0.0995	0.965	<0.0494 4.86	5 20.3	NDR 0.060	_	<0.0494	23.9	<0.0494	2.74	2.26
					0.076	NDR 0.073	<0.0478	22.7	<0.0478	2.66	2.23
0.93	9 <0.124	┪		9.98	<0.0500	0.089	NDR 0.052	43.5	<0.0500	5.57	4.73
0.726	3 < 0.133	F			0.25	NDR 0.055	< 0.0486	44.4	NDR 0.051	5.93	3.43
0.607	-		<0.0521 9.94	38.5	<0.0521	<0.0521	<0.0521	54.6	<0.0521	5.73	4.36
1.36		T	< 0.0488 13		0.308	0.098	< 0.0488	72.3	< 0.0488	8.73	5.05
0.585			_		0.145	< 0.0509	< 0.0509	38.2	< 0.0509	5.04	2.94
0.736	7 < 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
1.2					NDR 0.237	-	< 0.0484	58.8	< 0.0484	13.4	6.42
3.75 1.44 10.6					NDR 0.260	Н	NDR 0.071	99.2	<0.0464	11.4	7.81
0.893	2 < 0.203	2.01		7 39.5	NDR 0.189		0.064	57.7	NDR 0.059	7.19	4.64
NDR 1.47					0.211	NDR 0.116	NDR 0.073	83.6	< 0.0483	10.9	7.21
2.5			JR 0.078 32.2		0.326	0.182	NDR 0.135	157	<0.0529	19.3	14.3

Table 7: Continued.

CL6-PCB- 158		2.26	2.17	2.3	2.68	3.43	3.8	3.37	4.33	3.76	4.47	5.57		1.79	2.19	2.02	2.62	3.45	1.34	1.35	2.12	2.26	NDR 0.293	0000
																							_	
CL6-PCB- 156/157		3.4	3.4	3.45	4.32	5.03	5.5	5.19	6.18	5.75	6.72	71.17		2.91	3.28	NDR 2.79	4.29	2.98	1.92	2.22	2.69	2.87	NDR 0.339	000
CL6-PCB- 155		< 0.0469	< 0.0466	< 0.0473	< 0.0468	< 0.0488	< 0.0488	< 0.0469	< 0.0472	< 0.0479	< 0.0481	< 0.0481		< 0.137	<0.0474	< 0.112	< 0.122	< 0.0919	< 0.0462	< 0.0914	<0.0501	< 0.122	< 0.0978	0000
CL6-PCB- 153/168		24.8	24.3	25.5	31	36.3	38.8	38.6	48.7	44.4	49.2	60.5		21.6	23.7	23.9	30.4	30.3	15.9	18.5	24.1	24.4	NDR 2.27	0000
CL6-PCB- 152		< 0.0469	< 0.0466	< 0.0473	< 0.0468	< 0.0488	< 0.0488	< 0.0469	< 0.0472	< 0.0479	0.058	< 0.0481		< 0.143	<0.0474	< 0.115	< 0.121	< 0.102	< 0.0462	< 0.0887	<0.0501	< 0.118	< 0.0852	0000
CL6-PCB- 150	•	0.076	< 0.0466	< 0.0473	0.052	0.059	NDR 0.074	< 0.0469	NDR 0.049	0.081	NDR 0.079	0.073		< 0.150	<0.0474	< 0.120	< 0.127	< 0.106	< 0.0462	NDR 0.103	NDR 0.104	NDR 0.168	< 0.0891	0020
CL6-PCB- 148		0.193	0.158	< 0.0514	0.258	0.204	0.219	NDR 0.309	NDR 0.188	NDR 0.169	0.082	0.127		< 0.202	NDR 0.255	< 0.162	< 0.171	< 0.143	NDR 0.079	< 0.125	0.185	< 0.166	< 0.120	0010
CL6-PCB- 147/149		16	15.6	16.9	20	25.2	26.1	26.2	31.9	28.3	32	42		14.1	16.3	15.2	20.4	22.6	11.3	14.7	18.6	17.4	NDR 1.82	0 0 11
CL6-PCB- 146		4.7	4.32	4.64	5.65	8.9	7.39	7.2	8	66.7	9.8	11		3.87	4.61	3.76	5.13	5.42	3.08	3.58	5.49	NDR 4.62	NDR 0.443	0110
CL6-PCB- 145		< 0.0469	< 0.0466	< 0.0473	< 0.0468	< 0.0488	< 0.0488	< 0.0469	< 0.0472	< 0.0502	< 0.0481	< 0.0481		< 0.157	<0.0474	< 0.126	< 0.133	< 0.111	< 0.0462	0.0970	<0.0501	< 0.129	< 0.0932	0000
CL6-PCB- 144	-	0.893	0.863	0.838	0.901	1.36	1.46	NDR 1.44	1.92	NDR 1.63	1.68	NDR 2.18		0.751	1.07	0.557	NDR 1.05	NDR 1.22	0.504	0.726	1.09	NDR 0.924	< 0.116	0100
CL6-PCB-		< 0.144	< 0.118	< 0.0893	< 0.110	< 0.102	< 0.104	< 0.0849	< 0.140	< 0.123	< 0.106	< 0.144		< 0.228	<0.109	< 0.206	< 0.221	< 0.159	< 0.0462	< 0.207	<0.138	< 0.217	< 0.115	0010
CL6-PCB-	-	3.01	2.92	2.77	3.28	4.46	4.14	4.38	7.24	4.54	2.97	7.67		2.72	3.03	2.66	3.07	NDR 4.48	1.81	NDR 1.56	2.52	NDR 2.62	NDR 0.124	111
139/140	•	0.401	0.329	0.329	0.476	0.628	0.721	NDR 0.337	0.694	0.73	0.78	1.05		< 0.196	NDR 0.426	NDR 0.431	0.453	NDR 0.559	0.147	NDR 0.658	0.492	0.444	0660.0 >	0010
CL6-PCB- 137	•	1.13	1.15	1.17	1.61	1.99	1.95	1.84	1.76	1.78	2.03	2.52		NDR 0.994	1.07	0.928	1.26	1.94	29.0	0.792	0.846	1.14	< 0.112	00100
CL6-PCB- 136	•	2.02	1.97	2.08	2.55	3.44	3.45	3.37	4.26	3.43	3.75	5.04		NDR 1.64	2.02	NDR 1.66	2.22	2.78	1.37	1.78	2.66	NDR 2.28	NDR 0.254	0070
CL6-PCB- 135/151/154	•	6.65	6.87	6.94	8.42	10.4	10.7	11.1	14.5	12	12.9	17.1		5.6	6.73	6.31	90.7	8.33	4.28	6:29	8.02	7.59	NDR 0.780	020 0 0014
CL6-PCB- 134/143		0.986	0.954	NDR 0.955	1.14	1.64	1.72	1.77	1.82	1.87	2.12	2.82		0.985	1.07	NDR 0.956	1.09	1.34	0.753	NDR 0.963	1.18	NDR 1.32	NDR 0.230	0020
Sample Depth (cm)	Core 6	0-1	1-2	3-4	2-9	9-10	9-10 (Duplicate)	12-14	14-16	18-20	25-30	40-45	Core 7	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	** 0*

		_															ı		-		_
CL6-PCB-	158	5.41	4.55	10	4.02	5.02	2.39	66'9	1.24	3.76	5.94	1.27	2.45	66'9	17.2	2.86			5.32	5.11	566
CLS-PCB-	156/157	8.19	7.86	19.2	7.22	7.91	3.8	10.5	1.9	5.53	8.48	1.75	3.52	10.1	26.3	4.74			6.3	6.55	2.81
CL6-PCB-	155	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	< 0.0535	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130			NDR 0.115	NDR 0.093	< 0.0489
	153/168	59.3	68.3	131	71.8	62.9	34.2	75.7	13.2	37.2	74.4	14.7	28.9	90.2	287	44.8			54	51.7	24.5
- HCB-	152	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	NDR 0.059	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130			< 0.0491	NDR 0.050	< 0.0489
	150	0.121	< 0.0843	NDR 0.271	< 0.131	< 0.0945	< 0.0723	NDR 0.120	< 0.0505	0.072	< 0.130	< 0.0452	NDR 0.056	NDR 0.175	NDR 0.449	< 0.130			NDR 0.093	660.0	< 0.0489
	134/143 135/151/154 136 137 139/140 141 142 144 145 146 147/149 148 150 152/168 155/168 156/157 158/157 158/158 156/157 158/158 158/1	NDR 0.147	NDR 0.151	0.265	NDR 0.226	0.137	NDR 0.108	NDR 0.181	0.083	0.225	NDR 0.283	0.148	NDR 0.219	NDR 0.209	NDR 0.854	< 0.130			NDR 0.150	NDR 0.124	NDR 0.082
- CL6-1-CL6-	147/149	45.9	47	91.8	49.1	48.1	23.8	58.3	9.2	26	52.1	9.44	18.6	65.4	203	31.4			40.5	41.2	20
CL6-CB-	146	26.6	11.4	22.4	11.9	10.5	9.9	13.1	2.36	7.01	13.8	2.7	5.23	15.4	49.2	7.92			9.19	8.92	4.3
- E- F- CB-	145	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	< 0.0535	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130			< 0.0491	< 0.0486	< 0.0489
- P-	144	2.11	1.77	3.98	1.95	2.1	1.02	2.35	0.468	1.34	2.24	0.524	0.942	2.91	8.28	1.3			NDR 2.35	2.33	1 04
CLS-PCB-	142	< 0.221	< 0.214	< 0.419	< 0.219	< 0.151	< 0.126	< 0.205	< 0.0878	< 0.160	< 0.328	< 0.0783	< 0.101	< 0.137	< 0.511	< 0.305			< 0.214	< 0.195	< 0.0954
CL6+CB-	141	76.7	6.3	13.7	80.9	7.25	3.6	8.58	1.76	5.24	8.39	1.82	3.08	10	27.5	4.33			8.25	7.44	3.36
- E- FCB-	139/140	1.04	26.0	2.16	0.985	1.05	0.491	1.34	NDR 0.219	0.665	1.07	0.274	0.501	1.51	4.23	0.605			1.03	NDR 1.02	NDR 0 481
	137	3.04	2.28	5.98	2.85	3.04	1.25	2.8	0.62	2.08	2.83	0.711	NDR 1.21	3.23	8.89	1.68			2.88	NDR 2.93	1 22
CLS-PCB-	136	6.44	5.99	12	6.17	6.02	2.99	7.5	1.11	3.4	6.33	1.1	2.2	7.84	25.7	3.63			5.65	5.42	2.31
CLS-PCB-	135/151/154	17.4	18	35.1	18.9	18	80.6	21.4	3.56	10.3	19.8	3.9	7.45	26.7	82.7	12.5			16.4	16.3	7 14
CL6-PCB-	134/143	3.33	2.95	6.26	3.02	NDR 3.25	1.39	3.76	0.571	1.99	3.35	0.607	1.22	4.12	13.5	1.94		S	2.71	2.68	1 24
core	Number/Sample Depth (cm)	8/1-2	9/1-2	10/0-1	11/0-1	12/0-1	13/0-1	14/0-1	15/0-1	16/0-1	17/0-1	18/0-1	19/0-1	20/0-1	21/0-1	22/0-1		Sediment Traps	A1 TOP	A1 BOT	R1 TOP
			L		L	L	L	L	L	L		L	L		L	Ш	Ш	S	Ш		

Table 7: Continued.

									-			•		2			
NDR 0.876	H	0.724	9.88	0.289	80.9	< 0.182	15	5.91		20.1	0.98	3.42	18.6	8.79	12.5	36.2	NDR 0.246
	< 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
1.07	+	0.713	10.9	0.323	7.23	< 0.205	16.6	47.7		72.1	1.22	9.75	722.7	12.1	17.6	42.9	NUK 0.28
NON .	+	0.7 13	0.0	0.405	0.70	V 0.104	10.7	0.00		77		3.73	21.1	9.00	13.7	44.0	0.274
0.045	+	0.041	5.01	0.495	0.90	< 0.215	6.71	07.7	Ī	4.22	07.1	18.5	7.12	8.8	9.4	41.2	NDR 0.22
1.11	-	0.916	11.1	0.563	7.58		18.2			24.3	1.58	4.48	22.8	11.2	16.4	45.3	NDR 0.25
0.759	_		6.41	< 0.155	4.51		13.1	5.1		15	0.911	2.26	13.6	6.64	9.06	30.9	NDR 0.15
					1.8		5.08	2.17		6.28	0.581	1.2		3.6	4.28	13.7	0.121
25-30 < 0.0753	53 < 0.0801	< 0.0755	NDR 0.180	< 0.0881	NDR 0.156		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
					0.092		0.371	NDR 0.113		NDR 0.334	< 0.0449	0.066		NDR 0.102	NDR 0.177	0.746	< 0.0449
1.66	-		13.5	< 0.164	7.95	< 0.223	43.4	16.6	8.24		2.47	99.9	34.3	11.7	24.7	92.2	0.449
99.9	H	L	33.2	< 0.421	21.4	< 1.05	124	40.2	19.7		5.37	14.9	75.1	23.9	45.2	214	1.33
	۲	<u> </u>	33	< 0.418	17.9	< 0.364	106	38.8	19.8		5.51	16	76.8	26.1	53.6	217	206.0
	t	<u> </u>	26.9	0.362	15.9	< 0.365	80.5	32	14.2		4.6	12.5	65.4	218	44.7	152	0.805
	t	2.2	48.7	< 0.428	26.8	< 0.409	155	55.0	25.4		208	22.3	108	36.8	76.6	283	1 41
12.14	$^{+}$	1	32.4	397.0	17.0	20.07	100	200	17.7		20.0	15.7	207	2000	53	100	Caa C
14 16 12 0	< 0.464	+	32.4 76.6	0.460	7.71	27.0	264	4.04	4. 0. 1.	100	42.4	10.4	16.4	54.0	33	061	800'O
_	+	$^{+}$	1	0.963	42.4	1 1 70	1020	93.0	7.14		12.1	0.4.0	176	6.4.9	145	430	6.33
4	+	+	1	0.915	1.04	21.12	607	32	0.4.		13.5	37.3	1/0	00.0	113	440	7.7
_	+	+	+	4	35.2	NDR 0.621	877	78.4	1.4		12.3	31.4	160	1.40	901		9/1
25-30 0.187	+	0.077	1.08	4	0.705	< 0.0750	8.31	-	1.1		NDR 0.616	1.3	7.32	2.58	5.21		90.0 XUN
_	1	1	-	_	NDK 0.072	< 0.0581	0.423	NUK 0.145	NDK 0.077	0.354	< 0.0472	1	NDR 0.324	0.1	NDR 0.176	1	< 0.0472
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	936	3 67	6.56	56	0.172
NDR 0.963	+	T	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 0.23
	-		5.51	NDR 0.084	3.43	< 0.166	28.3	9.41	4.97	29.9	1.41	4.24	18.7	98.9	13.4	62.5	NDR 0.22
3-4 (Duplicate) 0.73	< 0.0589	z	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
				< 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
	-			< 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
				< 0.111	4.01	< 0.107	15.1	6.21	2.54	17.1	0.961	2.69	14.1	5.3	9.2		0.202
		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 0.25.
	_			< 0.114	5.76	< 0.123	23.6	9.62	4.12	27.5	1.55	4.45	22.7	7.99	14.2		NDR 0.34
	_			< 0.127	7.66	< 0.281	34.7	14.5	6.45	42.5	2.41	7.63	32.5	13.9	24.7		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
NDR 0.353	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
_	_			<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		<0.0494
				<0.0494	0.986	<0.0861	4.36	1.66	0.801	4.08	0.241	29.0	3.76	1.31	2.13		NDR 0.05
30-35 NDR 0.630				<0.0957	1.86	<0.0911	8.19	3.05	1.55	8.28	0.504	1.3	7.2	2.62	4.16		NDR 0.07
	4	1															
Core 5																	
z	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		NDR 0.104
1-2 0.691			NDR 4.49		2.36	<0.116	11.7	3.79	2.34			1.42	9.14	3.29	4.69		NDR 0.09
0.572			4.12	< 0.514	3.38	< 0.530	13.7	4.87	2.17			1.94	13.2	4.99	7.31	56.9	0.078
		NDR 0.156		< 0.0907	1.84	< 0.0803	7.23	2.65	1.36			1.06	6.87	2.56	3.93		0.072
0.377		Н		< 0.136	2.35	< 0.123	8.88	3.06	1.39			NDR 1.39	8.37	3.25	2		NDR 0.105
		H		< 0.138		< 0.127	14.3	4.77	2.08			1.67	10	3.77	5.94		NDR 0.22
14-16 0.883	3 <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 0.18
0.541	H	NDR 0.304		< 0.157		< 0.145	11.8	4.28	2.04	11.5	0.563	1.91	10.9	4.51	6.43		NDR 0.140
25-30 0.719	> 0.102	0.348		011	L											Ī	0
						< 0.156	17.1	6.53	3.07	16.9	0.835	2.73	15.9	6.49	6.58		91.020

Table 7: Continued.

1 1		96	466	12	277	139	488	052 ا	472	104	96	481		168	.075	132	54	132	462	140	501	127	105	200
CL7-PCB- 181		990.0	< 0.0466	0.112	< 0.0577	NDR 0.139	< 0.0488	NDR 0.052	< 0.0472	NDR 0.104	0.109	< 0.0481		< 0.168	NDR 0.075	< 0.132	0.154	< 0.132	< 0.0462	< 0.140	<0.0501	< 0.127	< 0.105	<0.0500
CL7-PCB- 180/193		10.8	10.8	10.6	12.1	16.2	15.2	15.4	37.7	17.4	17.9	24.1		9.43	8.57	14.1	10.2	9.23	69'5	70.7	10.8	10.4	NDR 1.15	NDR 0.293
CL7-PCB- 179		2.31	2.27	2.35	2.9	3.75	3.48	3.78	6.2	4.5	4.13	5.61		2.23	1.89	2.46	2.61	2.14	1.83	2.09	2.8	2.28	0.125	0.102
CL7-PCB- 178		1.6	1.52	NDR 1.67	2.06	2.36	2.56	2.63	4.19	3.28	2.78	3.61		NDR 1.57	1.38	1.83	1.96	1.35	1.13	1.43	NDR 1.70	1.54	0.139	<0.0500
CL7-PCB- 177		4.33	4.47	4.22	5.11	6.28	6.61	6.97	11.6	7.82	7.58	10.4		3.74	4.16	4.05	4.84	3.55	2.8	NDR 3.01	4.62	3.96	0.507	0.081
CL7-PCB- 176		0.667	0.724	0.679	0.822	1.06	1.12	1.07	2.05	1.22	1.3	1.7		NDR 0.582	0.59	0.697	NDR 0.813	0.601	0.45	NDR 0.580	0.774	0.684	< 0.0757	<0.0500
CL7-PCB- 175		0.252	NDR 0.290	NDR 0.312	NDR 0.362	NDR 0.365	0.425	0.421	0.706	NDR 0.546	0.46	0.535		NDR 0.271	NDR 0.229	NDR 0.178	NDR 0.356	NDR 0.206	0.153	0.3	0.338	NDR 0.274	< 0.100	<0.0500
CL7-PCB- 174		4.86	4.72	4.66	5.42	7.65	7.24	7.22	15.4	8.38	8.04	11.5		4.19	3.7	5.35	4.72	4.24	2.77	3.25	4.83	4.7	0.368	0.15
CL7.PCB- 172		1.05	1.04	1.03	1.22	1.57	1.61	1.59	3.07	1.56	1.72	2.07		908.0	NDR 0.789	0.86	NDR 1.04	1.05	NDR 0.518	NDR 0.762	1.06	NDR 0.976	< 0.115	<0.0500
CL7-PCB- 171/173		1.97	1.82	2.04	2.2	3	2.76	3.2	5.33	3.27	3.5	4.51		NDR 1.43	1.55	1.68	2	1.67	66.0	1.5	1.84	1.83	0.212	<0.0500
CL7-PCB- 170		5.92	5.86	5.88	6.33	8.28	8.11	7.92	17.1	9.49	2.6	12.1		4.68	4.15	5.45	5.59	5.24	2.96	3.37	4.74	NDR 4.88	NDR 0.508	0.114
CL6-PCB- 169		< 0.102	< 0.0834	< 0.0711	< 0.0801	< 0.0739	< 0.0747	< 0.0761	< 0.140	< 0.0870	< 0.0861	< 0.118		< 0.188	<0.0921	< 0.174	< 0.181	< 0.146	< 0.0471	< 0.168	<0.107	< 0.176	< 0.0932	<0.0631
CL6-PCB- 167		1.25	1.26	1.25	1.64	1.83	2.1	1.99	2.29	2.22	2.52	2.76		NDR 1.16	1.19	NDR 1.24	1.7	1.87	0.729	NDR 1.03	1.03	NDR 1.30	NDR 0.139	NDR 0.051
CL6-PCB- 165		< 0.111	< 0.0913	< 0.0690	< 0.0853	> 0.0786	< 0.0804	< 0.0651	< 0.107	< 0.0943	< 0.0812	< 0.111		< 0.173	<0.0907	< 0.157	< 0.168	< 0.121	< 0.0462	< 0.157	<0.115	< 0.165	< 0.0874	<0.0500
CL6-PCB- 164		1.71	1.58	1.83	1.94	2.35	2.82	2.59	3.09	2.89	3.13	3.86		1.52	1.65	NDR 1.54	2.12	2.43	1.08	0.982	1.64	1.67	NDR 0.236	<0.0500
CL6-PCB- 162		NDR 0.129	< 0.0788	NDR 0.175	0.161	NDR 0.174	0.183	0.185	< 0.0947	0.179	0.267	NDR 0.286		< 0.162	NDR 0.130	0.168	< 0.157	NDR 0.146	80.0	< 0.147	NDR 0.139	0.276	< 0.0817	<0.0500
CL6-PCB- 161		6960.0 >	< 0.0795	< 0.0601	< 0.0743	< 0.0684	< 0.0700	< 0.0577	< 0.0949	< 0.0835	< 0.0719	< 0.0979		< 0.156	<0.0799	< 0.141	< 0.151	< 0.109	< 0.0462	< 0.141	<0.101	< 0.148	> 0.0786	<0.0500
CL6-PCB- 159		0.186	0.19	NDR 0.265	NDR 0.245	NDR 0.320	0.355	0.344	89:0	NDR 0.326	NDR 0.392	0.588		0.268	0.255	NDR 0.225	NDR 0.272	0.267	0.158	0.232	NDR 0.204	NDR 0.163	< 0.0801	<0.0500>
Sample Depth (cm)	Core 6	0-1	1-2	3-4	2-9	9-10	9-10 (Duplicate)	12-14	14-16	18-20	25-30	40-45	Core 7	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	40-44

CL7-PCB-	181	NDR 0.156	NDR 0.161	NDR 0.394	0.213	NDR 0.219	< 0.0723	0.183	< 0.0505	NDR 0.091	< 0.130	< 0.0452	0.061	NDR 0.133	NDR 0.496	< 0.130
CL7-PCB-	180/193	19.8	19.1	38.9	19.2	16.6	10.9	30.6	29.67	14.6	25.3	6.5	9.88	30.2	75.7	13.1
CL7-PCB-	179	6.04	7.03	11.1	6.95	5.63	3.5	98.8	1.21	3.28	7.85	1.5	2.46	10.2	29.1	4.66
CL7-PCB-	178	3.67	4.76	7.93	4.57	3.54	2.22	5.54	0.825	2.2	5.41	NDR 1.04	1.97	5.97	17.6	3
CL7-PCB-	171	9.49	11.6	18.9	11.1	8.53	5.91	15.7	2.12	5.58	12.1	2.35	4.56	14.2	40.3	6.77
CL7-PCB-	176	1.71	1.93	3.18	1.62	1.48	0.932	2.55	0.371	0.961	2.1	NDR 0.401	0.697	2.61	69.7	NDR 1.19
-BDG-ZTO	175	0.516	0.514	626'0	NDR 0.605	0.438	NDR 0.257	107.0	NDR 0.117	0.421	0.722	NDR 0.192	NDR 0.241	0.771	1.81	0.368
-BOH-270	174	10.6	10.7	19.5	1.01	98'8	22.5	16.3	2.57	6.41	12.4	2.78	4.72	15.9	43.8	6.65
CL7-PCB-	172	1.62	1.53	3.25	1.42	1.33	208.0	2.41	0.458	1.29	2.12	0.551	668.0	2.38	29.5	0.908
CL7-PCB-	171/173	3.65	3.68	7.49	3.33	3.14	2.05	5.39	0.951	2.46	4.82	1.04	1.93	5.27	12.5	2.32
CL7-PCB-	170	9.44	9.24	20.9	8.41	8.12	5.18	15.3	2.75	7.23	12.5	3.12	5.19	13.8	31.9	5.61
CL6-PCB-	169	< 0.172	< 0.168	< 0.330	< 0.166	< 0.115	< 0.0938	< 0.156	< 0.0694	< 0.120	< 0.242	< 0.0579	< 0.0734	< 0.0980	< 0.370	< 0.228
CL6-PCB-	167	3.09	3.19	86.9	3.18	3.04	1.67	3.94	0.659	1.86	3.37	0.616	1.45	3.89	11.2	NDR 2.10
CL6-PCB-	165	< 0.172	< 0.167	< 0.328	< 0.171	< 0.118	2860'0 >	< 0.166	< 0.0711	< 0.135	< 0.275	< 0.0657	< 0.0848	NDR 0.213	< 0.428	< 0.256
CL6-PCB-	164	4.23	4.29	8.63	4.18	4.37	2.14	5.5	668.0	2.69	4.83	0.916	1.84	5.65	18.3	2.84
CL6-PCB-	162	NDR 0.321	0.291	NDR 0.678	0.332	0.329	0.198	0.284	< 0.0640	0.127	< 0.247	< 0.0589	NDR 0.124	NDR 0.347	NDR 0.978	< 0.229
CL6-PCB-	161	< 0.153	< 0.148	< 0.291	< 0.152	< 0.105	< 0.0877	< 0.143	< 0.0612	< 0.119	< 0.244	< 0.0583	< 0.0753	< 0.102	< 0.380	< 0.227
CL6-PCB-	159	0.57	0.52	0.957	0.54	0.492	NDR 0.259	0.682	0.116	0.244	0.535	NDR 0.072	NDR 0.149	0.594	1.56	< 0.227
Core	Number/Sample Depth (cm)	8/1-2	9/1-2	10/01	11/0-1	12/0-1	13/0-1	14/0-1	15/0-1	16/0-1	12/0-1	18/0-1	19/0-1	20/0-1	21/0-1	22/0-1

Sediment Tra	Traps																	
	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 T0P	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)	Core 1	1-2	3-4				14-16	18-20	25-30 50-55	3	Core 2	0-1		34		9-10	12-14	14-16	14-16 (Duplicate)	18-20	25-30	2	Core 3	1-0	3.4	3-4 (Duplicate)	2-9	9-10	12-14	18-20	25-30	40-45	Core 4	1-2	14-16	14-16 (Duplicate)	Core 5	0-1	1-2	3.4		9-10		14-16	25.30	00-07
CL7-PCB- 182	NDR 0.210	0.197	NDR 0.278	0.232	NDR 0.240	NDR 0.304	NDR 0.219	NDR 0.141	< 0.0461			0.298	NDR 0.658	NDR 0.557	0.57	0.765	0.549	1.39	1.51	1.19	NDR 0.114	1		0.126 NDR 0.136	0.184	0.13	0.131	0.108	0.034	0.182	0.408	0.507		NDR 0.061	<0.0494	0.066	000.0	NDR 0.150	NDR 0.148	0.071	0.071	NDR 0.100	NDR 0.112	NDR 0.180	NDP 0 172	NDR 0.172
CL7-PCB- 183/185	< 0.0468	8.52	16	< 0.0482	< 0.0497	< 0.0470	11.7		< 0.0461 NDR 0.203			37.6	77.8	80	72.9	119	86.2	177	194	173	6.24			10.7	22.3	13.3	11.8	11.1	14.5	22.2	34.2	52.4		3.64	3.76	3.32	0000	6.25	7.33	10.1	5.18	6.2	8.44	11.3	12.0	12.8
CL7-PCB- 184	< 0.0468	< 0.0725	0.095	0.07	0.084	NDR 0.127	0.065	NDR 0.095	NDR 0.056 < 0.0449			0.08	0.134	NDR 0.082	NDR 0.164	0.161	0.11	NDR 0.201	0.222	0.27	0.201	1		0.18	0.213	0.223	0.158	0.081	NDR 0.057	NDR 0.048	NDR 0.071	NDR 0.104		<0.0520	<0.0494	<0.0478	0.000	< 0.0486	<0.0521	< 0.0488	< 0.0509	NDR 0.055	NDR 0.082	NDK 0.073 < 0.0480	NIDE O OA 9	NUR U.040
CL7-PCB- 186	< 0.0468	< 0.0725	< 0.0496	< 0.0482	< 0.0497	< 0.0470	< 0.0576		< 0.0461 < 0.0449	4		< 0.0471	< 0.0474	< 0.0478	< 0.0478	< 0.0491	< 0.0462	< 0.0476	< 0.0483	< 0.0493	< 0.0486	1		< 0.0477	< 0.0472	< 0.0469	< 0.0473	< 0.0466		< 0.0473		< 0.0470		<0.0520	<0.0494	<0.0478	00000	< 0.0486	<0.0521	< 0.0488	< 0.0509	< 0.0480	< 0.0484	_	0.0420	
CL7-PCB- 187	48.7	32	68.7	58	57.2	63.6	35.1	18.2	0.92	2000		71.5	134	152	136	219	162	307	328	307	13.7	9	100	22.7	41.3	27.3	24.7	24.9	39.3	49.8	72	103		7.9	8.03	6.97	- <u>+</u>	17.2	17	29.8	15.1	17.4	22.3	35.4	0.1.2	33.0
CL7-PCB- 188	NDR 0.120	NDR 0.092	0.216	NDR 0.169	0.164	0.266	NDR 0.206	0.175	< 0.0461 < 0.0449			0.103	0.188	0.171	0.227	0.26	0.273	0.586	0.565	0.719	NDR 0.190	1		NDR 0.050	NDR 0.068	NDR 0.052	0.055	0.055	NDB 0.080	0.085	0.206	0.133		<0.0520	<0.0494	<0.0478	60.0	90.0	NDR 0.053	0.076	< 0.0509	NDR 0.093	NDR 0.067	NDR 0.104	NDP 0.093	200.0 KUN
CL7-PCB- 189	0.615						NDR 0.610		NDR 0.078							8.9		10.9			Ш	_							0.688					0.182	0.224	NDR 0.157	NDN 0.309	NDR 0 443						0.728		
CL7-PCB- 190	4.17	3.41	4.78	4.73	4.44	4.71	3		NDR 0.128 NDR 0.062			9.17	24.4	22.1	17.9	33.4	22.4	50.1	54.5	43.8	1.71			3.69	6.04	3.9	3.09	2.97	3.88	6.2	9.77	15.4		0.921		0.838		1.98						3.83		
191	0.415	0.436	NDR 0.476	0.573	0.519	0.651	0.445	0.248	0.064			2.05	5.31	8.4	3.76	6.92	2.07	11.3	12.3	10.5	0.228	1		0.504	1.17	0.717	0.597	0.566	0.655	- 1	1.76	2:92		0.172	NDR 0.234	0.229 NDB 0.340	NON Section 1	NDR 0.271	0.474	0.524	NDR 0.265	NDR 0.330	NDR 0.528	0.555	201.0	C.504
192 192	< 0.0468	< 0.0725	< 0.0496	< 0.0482	< 0.0497	< 0.0470	< 0.0576	< 0.0469	< 0.0461 < 0.0449			< 0.0471	< 0.0474	< 0.0478	< 0.0478	< 0.0491	< 0.0462	< 0.0476	< 0.0483	NDR 0.128	< 0.0486	1		0.048	< 0.0472	< 0.0469	< 0.0473	< 0.0466	0.053	< 0.0473	< 0.0505	< 0.0470		<0.0520	<0.0494	<0.0478	00000	< 0.0486	<0.0521	< 0.0488	< 0.0509	< 0.0480	< 0.0484	<0.0464	7 0 0F17	V 0.03 L
CL8-PCB- 194	7.32	5.13	8.55	7.89	8.27	10.7	7.23	5.05	0.328	9		21.9	47.3	48.3	37	62.2	45.2	107	116	626	7.43			8.75	15.7	10.8	7.82	7.64	9.97	11.3	18.9	30.7		2.38	3.02	2.03	0.70	4.93	5.63	7.17	3.25	4.16	6.74	5.35	20.02	08.7
CL8-PCB- 195	4.55	3.2	9	5.29	4.95	6.01	3.3	1.94	0.173			9.72	21.6	21.9	18.9	31.6	22.9	49.9	54	42.3	3.64			3.73	9.59	4.48	3.21	3.5	5.69	6.43	11.4	16.5		0.989	1.48	1.02	1.92	28	3.08	4.04	2.02	2.75	3.4	5.13 NDR 3.32	406	U.Y.
CL8-PCB- 196	4.46	3.4	5.86	5.12	5.48	7.56	5.23	3.6	NDR 0.145 0.102	10		13.4	27.5	29.1	24.2	41.8	28.8	65.7	6.69	9.09	5.23			3.82	8.76	5.53	4.11	4.49	4.8 8.8	7.7	15.8	21.4		1.2	1.96	1.22	2.30	2.7	2.44	3.85	2.13	2.37	4	3.46	20.4	16.4
197/200	2.08	NDR 1.48	3.24	2.39	2.56	3.34	1.8	1.15	0.18			5.35	10.3	10.8	9.35	13.8	10.3	22.2	23.4	19.6	2.11		!	1.47	2.86	1.79	1.45	1.64	2.69	2.93	5.85	8.58		0.475	0.773	0.472	0.000	1.17	NDR 1.08	1.36	0.889	1.12	1.67	2.39	10.1	1.
198/199	19.1	13.6	25.9	22	22.1	29.8	16.5	10.9	NDR 0.562 NDR 0.332	1000		29.2	62.8	64.6	58.1	92	68.4	145	155	130	15		,	10.4	18.6	13.3	10.8	12.6	18.8	22	44	54.1		3.72	5.14	3.11	0.12	8.56	6.88	13.6	7.15	8.08	12.4	16.1	47.0	7:/
CL8-PCB- 201	2.24	1.51	3.16	2.58	2.76	3.49	2	1.42	0.077 NDR 0.050			4.03	7.76	9.24	8.07	11.9	9.31	18.4	19.4	18.2	2.36			1.31	2.26	1.63	1.35	1.6	2 54	2.97	5.59	7.03		0.479	0.566	NDR 0.409	0.0	NDR 0.966	NDR 0.914	1.63	0.875	1.09	1.5	2.05	10.5	
CL8-PCB- 202	5.23	3.15	7.05	5.92	5.92	7.47	3.96	2.86	0.15 NDR 0.081			7.14	11.8	14.2	14.1	20.8	16.1	26.5	29.6	33.1	4.73			2.64	4.09	3.17	2.76	Ø Z	3.54	5.59	9.53	10.3		0.837	1.22	0.789	95°	2.25	2.1	4.11	2.03	2.2	3.28	4.55 2.92	10.7	4
CL8-PCB- 203	9.36	6.52	12.3	10.3	96.6	13.7	7.43	4.75	0.398	3		17.7	35.9	37.1	34	54.2	39.9	82.5	88.7	74.9	7.75	5		9.9	11.1	7.88	6.24	6.98	10.3	12.4	24.1	31.5		1.74	2.75	1.68	3.32	5.04	3.53	7.35	4.18	4.69	7.72	8.41	0.0	3.12

Table 7: Continued.

(cm)	182	183/185	184	186 186	187 187	188	189	190 190	191 191	192 192	194	195	196	197/200	198/199	201 201	202	203 203
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
34	< 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
2-9	< 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	60.9	< 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	89'9	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	80.6	< 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
34	NDR 0.150	4.12	NDR 0.093	< 0.100	10.7	< 0.0889	0.28	1.17	< 0.107	< 0.115	2.9	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
2-9	< 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	99.0	980.0 AUN	< 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	0960.0 >	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	20:0	<0.0500	290'0	<0.0500	NDR 0.074	<0.0500	<0.0500	<0.0500

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CL8-PCB-	203	4.59	5.85	9.53	5.37	4.41	3.07	7.38	1.17	2.77	6.92	1.3	2.47	90.8	19.6	3.67			29.67	5.75	
CL8-PCB-	202	2.62	3.52	5.08	3.34	2.67	1.63	3.94	0.601	1.52	3.85	0.752	1.48	4.51	13.2	2.18			2.09	2.06	
CL8-PCB-	201	1.04	1.18	2.13	1.14	0.934	0.627	1.68	0.261	0.682	1.4	0.336	0.521	2.05	4.36	0.857			1.19	1.29	
CL8-PCB-	198/199	9.02	11	17.4	9.92	7.83	5.65	14.2	2.17	5.31	12.2	2.69	4.61	14.7	39.5	7.53			9.81	10.1	
CL8-PCB-	197/200	1.19	1.46	2.32	1.11	0.991	0.641	2.01	0.347	0.769	NDR 1.57	0.355	0.573	1.98	5.12	0.952			1.43	1.42	
CL8-PCB-	196	2.36	2.4	4.26	2.06	1.99	1.41	3.51	0.663	1.73	3.18	0.922	1.35	4.23	8.83	1.82			3.85	4.11	
CL8-PCB-	195	2.78	3.21	5.01	2.44	2.35	1.58	4.42	0.65	1.71	3.53	0.753	1.37	4.45	11.1	2			2.52	2.7	
CL8-PCB-	194	4.37	4.48	8.62	3.99	3.43	2.43	6.73	1.41	3.53	6.27	1.95	2.87	7.95	19.5	3.26			6.79	6.7	
CL7-PCB- CL7-PCB- CL7-PCB- CL8-PCB-	192	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	< 0.0704	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130			< 0.0491	< 0.0486	
CL7-PCB-	191	NDR 0.353	0.299	0.684	NDR 0.274	0.272	0.156	0.546	NDR 0.115	0.285	NDR 0.483	NDR 0.153	NDR 0.186	0.508	1.15	0.203			0.476	NDR 0.501	
CL7-PCB-	190	2.29	2.84	5.02	2.56	2.34	1.45	3.97	0.588	1.45	3.16	0.552	1.15	3.66	90'6	1.44			2.35	2.45	
CL7-PCB-	189	0.38	0.528	NDR 1.10	0.379	0.4	0.231	0.611	NDR 0.140	0.312	0.498	0.153	0.233	0.61	NDR 1.44	< 0.240			0.542	0.5	
CL7-PCB-	188	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	0.095	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	0.093	< 0.267	< 0.130			NDR 0.072	< 0.0486	
CL7-PCB-	187	21.3	29.6	46.9	28.1	22	13.9	32.6	5.04	13.9	31.8	6.16	11.4	38.5	110	17.8			18.6	18.3	
CL7-PCB-	186	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	< 0.0616	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130			< 0.0491	< 0.0486	
CL7-PCB-	182 183/185 184 186 187 188	< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	0.067	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130			0.219	0.184	
CL7-PCB-	183/185	7.22	7.51	13.8	7.3	6.65	4.17	10.2	2.09	5.34	9.55	2.26	3.91	12.2	28	2			8.44	8.48	
CL7-PCB-	182	0.102	260.0	NDR 0.226	NDR 0.135	< 0.0945	< 0.0723	NDR 0.136	< 0.0505	0.131	< 0.130	90.0	< 0.0473	NDR 0.155	NDR 0.365	< 0.130		S	0.177	0.125	
Core	Number/Sample	8/1-2	9/1-2	10/0-1	11/0-1	12/0-1	13/0-1	14/0-1	15/0-1	16/0-1	17/0-1	18/0-1	19/0-1	20/0-1	21/0-1	22/0-1		Sediment Traps	A1 TOP	A1 BOT	
	ž																	Sec	L		

Table 7: Continued.

Decachloro Biphenyl		9.39	6.78	13.5	12.1	12.4	26.5	9.74	7.91	1.03	< 0.0449		8.38	38.9	20	21.4	25.1	25.5	50.3	3.88	82.2	44.4	0.328		3.5	3.96	4.2		4.21	3.94	4.36	5.71	0.27	9.21	1 18	2407	70.0484	2.64		4.96	4.15	7.27	5.15	5.36	96.9	9.21	5.54	7.83
Total Nonachloro Biphenyl		16.8	10.5	22.7	19.3	20.2	52.1	15.8	13.9	٧	0.297		20.4	38.6	37.6	39.4	56.2	45.1	81.5	5.03	117	47.1	< 0.0866		7.71	7.65	9.79		7.63	7.91	9.56	11.6	CI CI	30.1	2 30	6.73	3.30 8.6	4.54		7.39	6.03	11.2	6.2	7.03	11.4	13	8.5	12.2
Total Octachloro Biphenyl		55.1	36.9	73	62.2	62.8	82.9	48	32	1.31	0.484		110	228	238	206	333	244	523	563	480	48.3	0.61		36.1	42.3	71	49.2	38.2	38.9	45	61.3	127	182	12	16.0	10.3	20.8		27.5	24	43.8	22.9	26.8	40.7	50.5	32.6	53.4
Total Total Hexachloro Heptachloro Biphenyl Biphenyl		178	134	248	203	206	226	149	70.4	2.65	2.13		412	915	939	752	1320	919	2000	2160	1930	73.9	2.26		123	148	252	158	136	129	153	196	242	585	12 E	45.0	30	75.7		79.7	98.2	133	69.4	81.3	113	157	114	167
Total Hexachloro Biphenyl		672	498	841	763	790	861	495	192	14.6	8.76		865	2010	2010	1680	2890	1910	4760	4640	4220	76.1	4.07		271	382	372	302	309	307	401	485	5/9	1880	04.3	14.0	105	221		201	239	320	174	216	295	449	268	396
Total Pentachloro Biphenyl		832	029	1030	958	1060	1260	831	569	21.5	14.3		788	1600	2020	1560	2930	1840	4360	3710	3690	72.4	6.02		323	427	333	341	365	373	537	505	1160	2910	101	120	131	285		293	206	408	244	297	352	521	348	533
Total Tetrachloro Biphenyl		250	481	692	747	880	1100	661	219	15.8	13.4		436	726	776	826	1130	865	1940	1870	2200	36.2	4.34		253	245	268	261	274	283	428	552	981	2870	197	120	150	241		275	208	476	225	263	353	503	359	266
Total Trichloro Biphenyl		24.2	189	274	254	325	382	231	8.89	6.05	6.2		209	352	351	409	563	543	830	940	923	23.1	3.05		136	134	154	144	141	159	232	327	803	1120	64.7	27.5	07.3	116		160	126	281	119	141	236	292	206	317
Total Dichloro Biphenyl		22.8	49.2	83.4	29.5	94.8	107	61.8	22	3.23	2		56.1	110	105	47	184	174	259	284	323	9.97	1.23		20.5	48.5	55	53.8	51.3	62.1	86.1	93.1	232	195	16.0	6.00	35.1	44.5		65.5	48.7	103	54.3	63	81	108	85.8	122
Total Monochloro Biphenyl		ÖN	10.5	14.6	Ø	15.9	15.2	10.6	2.47	4.57	1.88		8.52	19.5	10.7		29.7	28	52	52.6	28.5	7.38	1.42		7.62	6.07	8.28	8.69	8.54	9.61	14	13.7	97.7	36.8	1 78	1.70	10.5	6.55		9.74	8.65	12.4	8.88	9.28	11.1	13.7	11.4	5.71
% Moisture		77.1	82	75.1	75.7	75.5	73.1	74.2	73.1	71.6	67.3		63.6	58.2	54.6	53.6	52.7	47.2	47.8	48.6	48.1	49.8	49.7		42.4	46.9	42.4		41.4	32.8	35.5	38	41.1	37.7				35.3		63.6	9.69	61.8	59.9	56.1	56.6	57.8	57.2	26
CL10-PCB- 209		9.39	6.78	13.5	12.1	12.4	26.5	9.74	7.91	1.03	NDR 0.206		8.38	38.9	20	21.4	25.1	25.5	50.3	50	82.2	44.4	0.328		3.5	3.96	4.2	4.23	4.21	3.94	4.36	5.71	0.27	9.21	1/8	1.40	1 FE	2.64		4.96	4.15	7.27	5.15	5.36	5.96	9.21	5.54	7.83
CL9-PCB- 208		4.18	2.47	5.56	4.58	4.76	12.7	3.76	3.51	< 0.523	0.12		4.38	88.8	7.8	8.71	11.8	9.72	19.5	21.3	27.5		NDR 0.095		1.76	1.74	2.07	1.94	1.7	1.85	2.23	2.81	3.40	6.52				1.1		1.72	1.47	2.84	1.45	1.77	2.65	3.11	2.06	3.02
CL9-PCB- 207		1.48	1.14	1.77	1.72	1.74	3.86	1.77	1.35	< 0.467	< 0.0753		1.89	3.4	3.41	3.57	4.88	4.08	7.58	8.45	9.57	3.1	< 0.0673		0.719	0.827	0.762	0.715	0.545	0.728	0.923	1.01	1.44	2.78	NDD 0 305	0000	0.330	0.492		0.626	0.605	NDR 1.38	0.56	0.64	0.874	1.2	0.711	111
CL9-PCB- 206		11.1	6.84	15.4	13	13.7	35.5	10.3	9.02	< 0.651	0.177		14.1	26.3	26.4	27.1	39.5	31.3	54.4	58.4	80.1	31.9	NDR 0.226		5.23	5.08	96.9	5.94	5.38	5.33	6.41	1.79	10.1	20.8	1.67	20.0	1.81	2.95		5.04	3.96	8:38	4.19	4.62	7.9	8.69	5.73	8.03
CL8-PCB- 205		0.726	0.411						0.322	< 0.0461	< 0.0449		1.56	2.72	3.16	2.59						NDR 0.373	< 0.0472		0.397	0.48	1.01	0.614	0.418	0.431	0.618	0.763	1.877	2.19	0.178	0.140	NDR 0.107	0.246		NDR 0.411	0.376	0.666	0.334	0.342	NDR 0.469	NDR 0.659	0.526	0.744
CL8-PCB- 204		< 0.0468	< 0.0725	NDR 0.059	< 0.0482	NDR 0.050	NDR 0.056	< 0.0576	< 0.0469	< 0.0461	< 0.0449		< 0.0471	< 0.0474	< 0.0478	NDR 0.061	< 0.0491	NDR 0.056					< 0.0472		< 0.0477	< 0.0469	< 0.0472	< 0.0469	< 0.0473	< 0.0466	< 0.0474	< 0.0475	< 0.0473	< 0.0470	V0.0520	0.0020	<0.0494	<0.050.0>		< 0.0680	<0.0521	< 0.0488	< 0.0551	< 0.0480	< 0.0517	NDR 0.047	< 0.0583	< 0.0685
Sample Depth (cm)	Core 1	0-1	1-2	3-4	2-9	9-10	12-14	14-16	18-20	25-30	50-55	Core 2	0-1	1-2	3-4	2-9	9-10	12-14	14-16	14-16 (Duplicate)	18-20	25-30	35-40	Core 3	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	16-20	40-45	Core 4	11.16	14-10 14-16 (Duplicate)	30-35	Core 5	0-1	1-2	3-4	2-9	9-10	12-14	14-16	18-20	25-30

Table 7: Continued.

Decachloro Biphenyl	07	2.10	3.15	3.58	22.6	1.56	4.14	4.82	5.61	4.56	5.62		2.38	2.61	2.13	20	2.16	2.01	4.18	5.46	3.28	v	<0.0500
Total De Nonachloro E Biphenyl	707	3.15	5.04	4.91	8.65	2.78	5.76	8.05	7.2	7.19	8.77		5.86	3.4	5.28	88.1	2.37	2.72	5.24	8.78	5.18	v	<0.151
	200	14.4	16.4	19.1	24.6	23	23.9	24	27	28.8	32.1		15.2	10.7	22.9	8.9	11.2	79.7	10.1	15.7	11	0.485	0.137
Total Heptachloro Biphenyl	9	48.6	46.8	26	72.6	71.7	73.4	145	84.3	83.5	110		37.9	37.2	52.7	47.6	41	27.8	27	47.3	38.3	1.35	0.791
Total Total Total Total Total Total Total Tetrachloro Pentachloro Hexachloro Heptachloro Octachloro Biphenyl Biphenyl Biphenyl	7	4 14	116	141	173	182	179	219	201	226	275		93.9	112	93.7	134	145	73.9	82.1	113	101	3.64	1.91
Total Pentachloro Biphenyl	750	150	166	193	250	253	252	249	284	270	324		114	138	120	181	178	95.1	127	151	183	9.32	5.13
Total Tetrachloro Biphenyl	16.1	150	177	210	235	245	257	249	291	334	421		125	124	138	175	138	6.96	163	156	270	13	6.74
Total Trichloro Biphenyl	70	101	107	120	139	141	156	147	167	222	268		74.5	75.2	2'82	101	79.2	53.6	78.5	78.4	172	6.63	2.89
Total Dichloro Biphenyl	600	30.0	45.8	50.2	55.5	58.9	65.4	61.1	72.2	9.88	107		31.5	26.6	19.1	24.5	17.71	21.8	10.1	13.2	7.72	v	787.0
Total Monochloro Biphenyl	7	10.4 6.62	7.02	7.51	7.98	8.94	8.43	6.03	9.94	12.4	13.8		5.8	3.97	5.35	6.97	2.99	3.17	5.3	1.31	2.96	v	1.06
% Moisture	0 0 0	32.0 55.5	50.5	48.4	46.2	46.4	43	42.2	42.9	40.1	41.9		9.03	47.3	8.68	39.8	88.3	8.08	33.5	38.2	37.2	42.1	43.1
CL10-PCB- 209	0	281	3.15	3.58	22.6	3.88	4.14	4.82	5.61	4.56	5.62		2.38	2.61	2.13	3.23	2.16	2.01	4.18	5.46	3.28	NDR 0.395	NDR 0.093
CL9-PCB- 208	7	NDR 101	1.26	1.12	2.36	1.44	1.6	1.99	2.12	1.79	2.15		1.36	0.747	0.979	1.13	NDR 0.871	0.708	1.51	1.77	1.46	< 0.104	<0.128
CL9-PCB- 207	20	0.340	0.443	0.462	0.934	NDR 0.617	NDR 0.620	NDR 0.951	NDR 0.691	969.0	0.824		0.423	0.273	0.385	NDR 0.381	NDR 0.269	0.296	NDR 0.459	0.634	NDR 0.469	< 0.100	<0.118
CL9-PCB- 206	0.70	2.70	3.34	3.33	5.36	3.59	4.16	90'9	5.08	4.7	5.8		4.08	2.38	3.92	3.11	2.37	1.72	3.73	4.37	3.72	NDR 0.264	<0.151
CL8-PCB- 205	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NUR 0.213	0.206	0.268	0.359	0.285	NDR 0.255	0.619	NDR 0.390	NDR 0.474	0.49		NDR 0.407	0.166	NDR 0.381	NDR 0.223	NDR 0.237	NDR 0.117	< 0.151	0.228	< 0.132	< 0.0931	<0.0500
CL8-PCB- 204	0000	< 0.0379	< 0.0663	< 0.0683	< 0.0488	< 0.0491	< 0.0495	< 0.0571	< 0.0800	< 0.0509	< 0.0556		< 0.153	<0.0474	< 0.142	< 0.127	< 0.135	< 0.0462	< 0.138	<0.0501	< 0.145	< 0.111	<0.0500
Sample Depth (cm)	Core 6	1-0	3-4	2-9	9-10	9-10 (Duplicate)	12-14	14-16	18-20	25-30	40-45	Core 7	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	40-44

2	-																П
Decachloro	Biphenyl		10.8	10.7	14.5	13.1	10.1	8.34	8.99	2.64	3.2	12.6	1.75	2.82	8.09	19	5.29
Total	Nonachloro	Biphenyl	7.31	10.9	15	8.41	8.23	4.48	12.3	2.04	4.42	2.73	2.49	4.2	12.2	31.2	6.91
Total	Octachloro	Biphenyl	28.3	33.5	99	8'62	24.6	17.3	44.5	7.27	18	37.4	90'6	15.4	48.6	123	22.6
Total	Heptachloro		97.8	111	199	105	89.3	57.2	152	24.6	629	130	27	49.1	157	414	87.8
Total	Hexachloro	Biphenyl	299	312	625	316	305	158	369	62.4	185	352	67.2	132	421	1290	202
Total	Pentachloro		401	394	725	414	395	206	465	77.3	259	444	88.8	160	524	1540	248
Total	Tetrachloro	Biphenyl	290	382	529	346	303	182	388	6.69	218	405	87.2	156	492	922	211
Total	Trichloro	Biphenyl	179	226	248	181	165	105	226	48.3	160	252	2.73	108	281	468	111
Total	Dichloro	Biphenyl	6'82	109	104	71.9	63.3	2.33	1.77	28	56.1	112	24.1	46.5	101	147	8.09
Total	Monochloro	Biphenyl	15.5	NQ	19	15.7	21.7	15.5	17.8	5.61	4.54	9.53	0.93	4.8	16	9.53	>
% Moisture			76.5	74.3	85.4	84.5	81.8	78.9	73.9	6.99	50.2	75.5	32.5	51	68.1	73.1	84.4
CL9-PCB- CL10-PCB- % Moisture	209		10.8	10.7	14.5	13.1	10.1	8.34	66.8	2.64	3.2	12.6	1.75	2.82	60'8	19	5.29
CL9-PCB-	208		2.04	2.69	3.47	2.35	2.32	1.27	3.04	0.499	1.09	NDR 3.62	0.657	1	2.81	7.29	1.7
CL9-PCB-	207		NDR 0.708	0.847	1.5	NDR 1.41	NDR 1.71	NDR 0.789	66.0	NDR 0.221	NDR 0.434	NDR 0.891	0.193	0.371	1.07	2.9	0.547
CL9-PCB-	206		5.27	7.33	10	90.9	5.91	3.21	8.22	1.54	3.33	7.73	1.64	2.83	8.33	21	4.66
CL8-PCB- CL8-PCB- CL9-PCB- CL9-PCB-	205		0.33	0.445	0.658	0.456	NDR 0.368	0.233	0.652	NDR 0.110	NDR 0.236	NDR 0.524	NDR 0.109	0.202	0.624	1.36	0.333
CL8-PCB-	204		< 0.0829	< 0.0843	< 0.208	< 0.131	< 0.0945	< 0.0723	< 0.0535	< 0.0505	< 0.0501	< 0.130	< 0.0452	< 0.0473	< 0.0611	< 0.267	< 0.130
Core	Number/Sample	Depth (cm)	8/1-2	9/1-2	10/0-1	11/0-1	12/0-1	13/0-1	14/0-1	15/0-1	16/0-1	17/0-1	18/0-1	19/0-1	20/0-1	21/0-1	22/0-1

Sediment Trap	SC																
A1 TOP	< 0.0491	0.359	4.4	0.595	1.53	3.9	7.17	3.23	48.5	117	207	569	250	102	33.7	6.53	3.9
A1 BOT	< 0.0486	0.389	4.48	0.599	1.51	3.28	89	6.81	63.4	157	221	266	245	105	34.5	6:29	3.28
B1 T0P	< 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	4.0	0.965	2.14	68.3	1.87	38.8	8.98	129	153	132	8.69	21.4	4.49	2.14

Table 7: Continued.

Sample Deptn (cm)	PCBs	1998) ND=0	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
2-9	3050	0.143	0.144
9-10	3470	0.152	0.153
12-14	4110	0.186	0.187
11.16	2510	9110	0.110

0-1	2360	0.119	0.12
1-2	2090	0.0827	0.0839
3-4	3370	0.158	0.159
2-9	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	968	0.0634	0.0642
25-30	70.8	0.000781	0.00586
20-22	49.5	0.000408	0.00707
0-1	2910	0.0293	0.0395
1-2	6030	0.162	0.167
3-4	6510	0.0749	0.18
2-9	2550	0.149	0.151
9-10	9450	0.269	0.271
12-14	0659	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

	1210 0.0444 0.0448	1440 0.0618 0.0626	1530 0.0512 0.0521	1330 0.0396 0.04	1340 0.0413 0.0417	1370 0.0487 0.0491	1910 0.0658 0.0663	2310 0.0784 0.0793	3720 0.0901 0.0908	4680 0.127 0.129	9820 0.217 0.22
Core 3	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	40-45

	0.0175	0.0161	0.00473	0.023
	0.00425	0.0157	0.0162	0.0103
	484	537	592	1020
Core 4	1-2	14-16	14-16 (Duplicate)	30-35

14-16	289	0.0157	0.0161
14-16 (Duplicate)	265	0.0162	0.00473
30-35	1020	0.0103	0.023
Core 5			
0-1	1120	0.0112	0.0177
1-2	696	0.00874	0.0167
3-4	1800	0.0727	0.0754
2-9	826	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	0177	0.117	0.118

	TEQ (WHO 1998) ND=1/2DL	
ned.	OTAL TEQ (WHO PCBs (cm) 1998) ND=0	
Contin	TOTAL PCBs (cm	
Table 7: Continued.	Sample Depth (cm)	Core 6

(cm)	PCBS (CIII)	0-01 (966) (III) 600 L	1330) ND=1/2DL
Core 6			
1-0	899	0.00691	0.0147
1-2	613	0.0066	0.0138
3-4	069	0.00715	0.0169
2-9	805	0.0361	0.0365
9-10	886	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

507 533 533 6837 618 618 618 513 544 544		29 0.0232	116 0.00942	.31 0.0239	168 0.0434	52 0.0324	.03 0.00914	0.0261	.91 0.0125	82 0.034	287 0.0108	155 0.00299
		900.0	900'0	0.004	800'0	800'0	0.004	900'0	0.004	200'0	000'0	0.000155
		202	533	537	989	618	384	513	588	814	34.4	19.4
Core 7 0-7 1-7 3-4 3-4 112- 112- 118- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25	Core 7	0-1	1-2	3-4	3-4 (Duplicate)	2-9	9-10	12-14	14-16	18-20	25-30	40-44

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	629	0.00179	0.0113
20/0-1	2060	0.00539	0.0244
21/0-1	2000	0.13	0.135
22/0-1	925	0.00246	0.0195

Deptn (cm)			ND=1/ZDL
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	629	0.00179	0.0113
20/0-1	2060	0.00539	0.0244
21/0-1	2000	0.13	0.135
22/0-1	925	0.00246	0.0195
Sediment Traps	ps		
A1 TOP	1040	0.0379	0.0388
A1 BOT	1110	0.0104	0.0171
B1 T0P	723	0.0208	0.0212
TOG 1G	089	0.00644	12100

quantification criteria, number following this flag represents an unconfirmed concentration; NDR = peak detected but did not meet quantification 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 criteria, result reported represents the estimated maximum possible concentration. Blank cells indicate congener not quantifiable due to <10% recovery of labeled standards.

Sample Depth	Rr2-DPE-7		Rr2-DPF- Br2-DPF-10	Rr2-DPF.	Br2-DPF-15	Br3-DPF.	Br3-DPF.	Br3-DPF-30	Br3-DPE-32	Br3-DPF-35	Br3-DPE- Br3-DPE-30 Br3-DPE-32 Br3-DPE-37 Br4-DPE-47 Br4-DPE-49 Br4-DPE-51 Br4-DPE-56	Br4-DPF-47	Br4-DPF-49	Br4-DPF-51	Br4-DPF-66	Br4-DPE-71
(cm)				12/13			28/33									
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
2-9	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	2	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	2.7	4.65	2.48
1-2						33.9	10.9	< 0.211	0.415	< 0.135	0.307	235	6.07	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
2-9						NDR 25.4	89.9	< 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	969.0	< 0.500	< 0.466	170	6.07	12.5	5.63	4.5
12-14						NDR 14.9	3.76	< 0.487	NDR 0.424	< 0.298	< 0.277	7.78	29.4	6.26	2.41	1.05
14-16						6.49	1.74	< 0.220	< 0.173	< 0.141		25.5	11.4	2.56	0.921	0.463
18-20						NDR 0.549		< 0.201	< 0.154	NDR 0.180	z	7.37	0.977	0.242	0.301	< 0.141
25-30						NDR 0.745	z	< 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	696.0	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	86.0	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	990	304	23.8	31.5	NDR 28.7
2-9	167	09	< 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	2.68	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
18-20	2.13	1.75	< 0.213	0 177	0.457	5.46	0.866	< 0.200	< 0.154	< 0.123	< 0.173	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	8
30-35						K 42.5	7.44	< 0.307	0.511	< 0.185	0.241	107	61.8	9.87	5.4	3.39
30-35 (Duplicate)						K 44.8	8.08	< 0.239	0.590	< 0. 144	0.283	116	64.5	10.3	4.27	4.55

Table 8: Continued.

Sample Depth Br2-DPE-7 Br2-DPE- Br2-DPE-10 Br2-DPE- Br2-DPE-15 (cm) 8/11 12/13	Br2-DPE-7	Br2-DPE- 8/11	Br2-DPE-10	Br2-DPE- 12/13	Br2-DPE-15	Br3-DPE- 17/25		Br3-DPE-30	Br3-DPE-32	Br3-DPE-35	Br3-DPE- 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 Br4-DPE	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	06	16	NDR 2.78	4.22	1.8
2-9	1.42	3.3	< 0.196	< 0.104	3.65	6.93	96'5	< 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	9.79	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	996.0	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
2-9	266.0	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	2.77	< 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
7																

one /																
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	2	698.0	NDR 1.53	NDR 0.589
1-2	1.06	1.17	< 0.092	0.124	996.0	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	99.5	2.93	< 0.159	< 0.121	< 0.097	0.114	37.9	92'9	1.32	1.8	0.732
2-9	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	960.0 >	> 0.096	NDR 0.164	0.76	0.435	> 0.096	> 0.096	> 0.096	960:0 >	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	960.0 >	> 0.096	960.0 >	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
8/1-2	8/1-2	101	9000	NDD 0.216	80 6	5.40	3.62	87C U >	> 0.201	7 0 166	0.718	70.0	7.48	1 5	NDB 2 14	NDB 0 GOI
2/1-2	0.019	1.9	00.200	1	2.00	9.0	3.02	V 0.240	0.20	V 0.100	0.7.0	0.00	0.40	50.0	4 .2 .2 .1	400.004
7-1/6	1.39	<i>)] . [</i>	< 0.207	< 0.169	7	6.95	3.95	< 0.272	< 0.220	NDR 0.179	0.85	50.0	9.1.1	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	8.69	NDR 10.8	2.16	NDR 3.18	< 0.261
12/0-1	998.0	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	956.0	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
7 0	00	77	117	000	000	0	77.00	, 0 011	. 0 7.11	7070	100	701	000	70,7	70	7 7 0

Table 8: Continued.

3r4-DPE-71	< 0.531	< 0.891	< 1.12	NDR 2.68	< 0.458
Br4-DPE-66	NDR 0.728 NDR 0.865	2.77	NDR 3.19	85.9	NDR 2.66
Br4-DPE-51	NDR 0.728	1.54	2.09	6.71	1.61
Br4-DPE-49	3.56	9.04	8.38	NDR 27.1	NDR 5.97
Br4-DPE-47	28.3	59.2	62	159	56.1
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-77	NDR 0.287	0.265	NDR 0.356	1.11	NDR 0.655
Br3-DPE-35	< 0.145	< 0.107	< 0.225	< 0.934	< 0.260
Br3-DPE-32	< 0.188	< 0.141	< 0.299	< 1.24	< 0.260
Br3-DPE-30	< 0.231	< 0.175	< 0.370	< 1.53	< 0.302
Br3-DPE- 28/33	1.83	4.58	NDR 3.51	7.94	NDR 3.13
Br3-DPE- 17/25	4.53	7.75	6.55	18.6	4.9
Br2-DPE-15	0.608	2.11	1.99	4.08	1.49
Br2-DPE- 12/13	< 0.218	260'0 >	< 0.177	< 0.722	< 0.327
Br2-DPE-10	< 0.369	< 0.149	< 0.317	< 1.29	< 0.585
Br2-DPE- 8/11	1.36	3.15	2.22	3.87	NDR 0.702
Br2-DPE-7	NDR 1.00	1.51	NDR 1.18	3.96	1.19
Sample Depth Br2-DPE-7 Br2-DPE- Br2-DPE-10 Br2-DPE- Br2-	18/0-1	19/0-1	20/0-1	21/0-1	22/0-1

nt Traps
Sedimer

11 TOP			21.2	9.6	< 0.421	< 0.327	< 0.247	K 0.282	628	49.5	6.07	15.1	6.07
v1 BOT			38.6	11	< 0.419	< 0.326	< 0.245	0.344	522	9/	9.01	13.2	8.51
11 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
31 BOT			K 6.68	3.52	< 0.372	< 0.289	< 0.218	< 0.201	9.92	11	1.23	2.4	K 1.17

Table 8: Continued.

Sample Depth Br4-DPE-75 Br4-DPE-77 Br4-DPE-79 Br5-DPE-85 Br5-DPE- (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
2-9	< 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	96.7	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	99	< 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	6.76	35.9	< 1.76	4.63	< 1.44	< 0.854	< 1.12	1.85	0.828	18.4	21.9	4.54
2-9	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	909.0	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
2-9	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	9.96	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	-	< 0.155	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)	_	< 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		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	_		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	_	< 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)		< 0.136	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 Br4-DPE-75 Br4-DPE-77 Br4-DPE-79 Br5-DPE-85 Br5-DPE-99 Br5-DPE- Br5-DPE- Br5-DPE- Br6-DPE- Br6-DP	Br4-DPE-75	Br4-DPE-77	Br4-DPE-79	Br5-DPE-85	Br5-DPE-99	Br5-DPE-	Br5-DPE-	Br5-DPE-	Br5-DPE-	Br5-DPE-	Br6-DPE-	Br6-DPE-	Br6-DPE-	Br6-DPE-	Br6-DPE-	Br6-DPE-
(cm)						100	105	116	119/120	126	128	138/166	140	153	154	155
Core 5																
0-1	NDR 0.212	660.0 >	660.0 >	0.902	30.6	13.7	< 0.777	< 1.17	< 0.711	< 0.385	< 0.678	< 0.678 NDR 0.298 NDR 0.224	NDR 0.224	5.07	6.32	0.839
1-2	< 0.349	< 0.277	0.638	K 1 09	37.1	188	< 0.502	< 0.502 < 0.656	K 0 495	< 0.233	< 0.752	0.452	65 O X	5.54	9 28	131

Core 5																
0-1	NDR 0.212	< 0.099	660'0 >	0.902	30.6	13.7	< 0.777	< 1.17	< 0.711	< 0.385	< 0.678	NDR 0.298	NDR 0.224	20.9	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	699.0	NDR 0.409	99'2	12.8	1.76
2-9	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	960'0 >	960'0 >	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	060'0 >	< 0.104	0.782	24	13.8	< 0.518	< 0.793	NDR 0.551	< 0.275	< 0.399	0.511	0.262	4.45	79.7	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

 0.088 0.091 0.116 0.090 0.090 0.095 0.095 0.095 0.095 0.096 0.096 0.097 0.097 0.097 0.096 0.097 0.097 0.096 0.097 	095 094 116 090 090 095 094
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	0.544	0.579	0.558	NDR 0.560	0.781	JDR 0.194	NDR 0.204	0.187	< 0.146
	4.3	4.58	3.92	3.01	4.23	NDR 0.761 N	1.44	1.05	0.549
	3.35	3.89	2.8	2	3.63	0.649	1.12	NDR 0.627	K 1.50
	NDR 0.116	K 0.197	0.148	NDR 0.144	NDR 0.216	> 0.096	0.115	< 0.166	< 0.206
	NDR 0.342	0.463	0.193	NDR 0.197	NDR 0.610	< 0.117	NDR 0.159	< 0.248	0.456
	< 0.244	< 0.292	< 0.256	< 0.258	< 1.03	< 0.348	< 0.381	< 0.460	< 0.815
	< 0.114	0.1	< 0.103	< 0.113	< 0.209	960'0 >	< 0.126	< 0.116	< 0.162
	< 0.231	K 0.190	0.255	< 0.210	< 0.310	< 0.134	< 0.239	< 0.210	< 0.281
	< 0.350	< 0.174	008.0 >	< 0.343	9/5.0 >	< 0.218	068'0 >	< 0.343	< 0.447
	< 0.240	< 0.140	< 0.206	< 0.249	< 0.441	< 0.158	< 0.283	< 0.249	< 0.328
	9.82	10.7	26.7	6.18	96.8	1.6	90.8	1.95	0.937
	25.1	27.3	18.9	13.3	23.3	4.65	9.8	6.07	4.87
	0.851	0.919	0.501	0.466	0.916	NDR 0.189	0.363	NDR 0.302	0.295
	< 0.111	0.114	< 0.097	< 0.097	NDR 0.312	> 0.096	< 0.101	NDR 0.115	< 0.207
	< 0.111	< 0.092	260.0 >	260.0 >	< 0.088	960'0 >	< 0.101	960'0 >	< 0.174
	< 0.111	0.103	< 0.097	< 0.097	< 0.100	> 0.096	< 0.101	960.0 >	< 0.226
Core 7	0-1	1-2	3-4	2-9	9-10	12-14	18-20	25-30	40-44

Cores/Sample Depth	ole 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	9:99:0	< 0.291	906'0 >	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	9.0	< 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	< 160	< 1 45	68 1	692	< 1.89	< 2 49	< 148	< 1.02	< 2 66	NDR 0 801	NDR 0 801 NDR 0 427	NDR 10 1	13.8	3.26

Table 8: Continued.

		55	34	26	11
155	0.412	NDR 1.2	3.1 ADN	NDR 3.5	NDR 2.01
154	2.52	5.82	6.91	24.2	NDR 4.89 NDR 7.59
153	2.39	4.23	NDR 5.52	14.3	NDR 4.89
140	NDR 0.155	NDR 0.463	NDR 0.700	NDR 1.45	< 0.260
138/166	NDR 0.138	0.611	NDR 0.714	NDR 3.31	NDR 2.34
128	< 1.42	< 1.03	< 1.98	< 5.88	< 3.52
126	< 0.221	< 0.228	< 0.795	< 1.70	< 0.833
119/120	< 0.314	< 0.362	< 1.18	< 2.39	< 1.24
116	NDR 1.29	< 0.608	< 1.98	4.59	< 2.08
105	< 0.401	< 0.445	< 1.45	< 2.94	< 1.52
100	5.11	13.5	14.5	44.4	14.1
	14.4	30.1	32.1	96.4	32.3
	NDR 0.443	1.11	NDR 1.25	NDR 3.47	< 1.15
	< 0.458	< 0.519	< 0.738	NDR 1.04	< 1.06
	< 0.117	< 0.095	< 0.144	< 0.535	< 0.260
	< 0.130	NDR 0.124	NDR 0.194	< 0.535	< 0.260
(cm)	18/0-1	19/0-1	20/0-1	21/0-1	22/0-1
	100 105 116 119/120 126 128 138/166 140 153 154	CO.130 CO.117 CO.458 NDR.0.443 14.4 5.11 CO.401 NDR.1.29 CO.314 CO.221 C.142 NDR.0.158 NDR.0.156 2.39 2.52	ACTION CO.130 CO.170 CO.050 CO.150 CO.130 CO.120 CO.120<	CO.130 CO.171 CO.458 NDR 0.443 14.4 5.11 CO.401 NDR 0.129 CO.2021 CO.221 CO.221 CO.222 CO.2	6.0.130 c.0.130 c.0.140 c.0.140 10<

Trans	= aps
2	

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	2.69	4.62
A1 BOT	869.0	< 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	79.7	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.

COPE 1 CO.347 1.28 C.0543 NDR.453 24.6 30.3 NDR.28.4 536 0-1 C.0.543 K.1.28 C.0.543 N.7.28 2.4.6 30.3 NDR.28.4 536 1-2 C.0.543 K.1.28 C.0.543 K.1.28 0.0.57 47.7 451 1-2 C.0.533 K.1.26 C.0.873 3.7 NDR.127 18.7 18.6 3.5 1-2.14 C.0.642 NDR.0.429 C.0.696 NDR.139 NDR.129 1.05 1.05 1-2.4 C.0.642 NDR.0.29 C.0.696 NDR.129 1.07 R.8.18 NDR.23 1.05 1-2.4 C.0.440 NDR.0.499 C.0.696 NDR.0.499 NDR.221 1.01 8.37 NDR.221 1.05 2-5.50 C.1.12 R.1.27 C.1.16 K.1.59 K.10.7 K.8.18 K.6.51 1.00 2-5.50 C.1.16 K.1.59 K.1.07 K.8.18 NDR.22.1 1.20 2-2	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
<0.347									
		< 0.347	1.28	< 0.543	NDR 4.53	24.6	30.3	NDR 28.4	536
		< 0.503	K 1.10	< 0.703	K 2.85	13.1	K 15.0	K 10.7	451
		< 0.534	1.65	< 0.837	3.17	NDR 14.7	19	16.6	307
NDR 0.450 NDR 0.452 < 0.631 NDR 1.83 NDR 7.84 1.2 NDR 7.23 < 0.0439 < 0.686 NDR 1.35 NDR 9.91 8.48 NDR 7.23 < 0.0423 K 0.0586 NDR 1.35 NDR 9.91 8.48 NDR 7.23 < 0.0423 K 0.0583 K 0.0583 NDR 1.86 1.11 8.49 < 1.12 1.27 < 1.71 NDR 3.78 NDR 18.5 NDR 2.1 R 6.51 < 0.0826 K 0.669 < 1.16 K 1.59 K 10.7 K 8.18 K 6.51 < 0.0826 K 0.669 < 1.16 K 1.59 K 10.7 K 8.18 K 6.51 < 0.0826 K 0.669 < 1.16 K 1.59 K 10.7 K 8.18 K 6.51 < 0.083 K 10.7 K 1.89 K 10.7 K 10		< 0.803	NDR 0.953	< 1.26	3.51	NDR 15.7	NDR 26.1	NDR 19.2	343
 		NDR 0.409		< 0.631	NDR 1.83	NDR 7.84	12	NDR 7.12	193
<utbody> 0.0423 K 0.375 <0.693 1.07 6.54 6.48 6.78 <utbody> C0.825 NDR 1.29 <1.29 1.88 NDR 7.86 1.11 8.49 <utbody> C0.826 K 0.669 <1.76 K 1.59 K 10.7 K 8.18 K 6.51 <utbody> C0.826 K 0.669 <1.16 K 1.59 K 10.7 K 8.18 K 6.51 <utbody> C0.893 6.61 <0.603 4.28 51.3 52.6 31.7 <utbody> C0.894 6.61 <0.603 4.28 51.3 52.6 31.7 <utbody> C0.897 6.61 <0.603 4.28 51.3 52.6 31.7 <utbody> C0.376 6.61 <0.636 K 1.40 NDR 1.21 10.7 <utbody> C0.329 0.436 <0.402 0.78 5.47 4.53 NDR 3.26 <utbody> C0.223 0.436 <0.402 0.78 K 2.83 K 3.83 3.6 <utbody> <th< td=""><td></td><td>< 0.444</td><td>0.439</td><td>> 0.696</td><td>NDR 1.35</td><td>NDR 9.91</td><td>8.48</td><td>NDR 7.23</td><td>105</td></th<></utbody></utbody></utbody></utbody></utbody></utbody></utbody></utbody></utbody></utbody></utbody>		< 0.444	0.439	> 0.696	NDR 1.35	NDR 9.91	8.48	NDR 7.23	105
<utbody> 0.825 NDR129 <129 1.88 NDR786 11.1 849 < 1.12 < 1.77 < 1.71 NDR 3.78 NDR 18.5 NDR 23.0 NDR 24.1 < 1.12 < 1.17 < 1.16 K 1.59 K 10.7 K 8.18 K 6.51 < 1.08 7.64 < 1.61 7.13 50.9 53.1 32.6 < 0.093 6.44 < 1.61 7.13 50.9 53.1 32.6 < 0.093 6.44 < 1.43 3.65 2.56 NDR 21.2 1.67 < 0.093 6.44 < 1.43 3.65 2.69 NDR 14.0 NDR 21.2 1.67 < 0.276 < 0.286 1.4 < 0.402 1.52 K 14.5 12.1 10.7 < 0.281 3.17 < 1.18 2.09 NDR 14.0 NDR 21.9 3.6 < 0.284 5.3 < 1.44 < 0.402 1.52 K 2.83 K 3.93 3.6 < 0.294 5.3 < 0.402 1.52 K 2.83<td></td><td>< 0.423</td><td>K 0.375</td><td>< 0.593</td><td>1.07</td><td>6.54</td><td>6.48</td><td>6.78</td><td>200</td></utbody>		< 0.423	K 0.375	< 0.593	1.07	6.54	6.48	6.78	200
<1.12 <1.71 <1.71 NDR 3.78 NDR 18.5 NDR 23.0 NDR 24.1 <0.826		< 0.825	NDR 1.29	< 1.29	1.88	NDR 7.86	11.1	8.49	139
< 0.826 K 0.669 < 1.16 K 1.59 K 10.7 K 8.18 K 6.51 < 1.08		< 1.12	1.27	< 1.71	NDR 3.78	NDR 18.5	NDR 23.0	NDR 24.1	253
< 1.08 7.64 < 1.61 7.13 50.9 53.1 32.6 < 0.609		< 0.826	K 0.669	< 1.16	K 1.59	K 10.7	K 8.18	K 6.51	164
< 1.08 7.64 < 1.61 7.13 50.9 53.1 326 < 0.609									
< 0.609 11.2 < 0.866 10.1 83.7 77.5 71.3 < 0.993		< 1.08	7.64	< 1.61	7.13	50.9	53.1	32.6	1240
<0.993 6.44 < 1.43 3.65 25.6 NDR 21.2 16.7 <0.376		609.0 >	11.2	< 0.866	10.1	83.7	77.5	71.3	2070
< 0.376 6.61 0.603 4.28 51.3 52.6 31.7 < 1.67		< 0.993	6.44	< 1.43	3.65	25.6	NDR 21.2	16.7	1250
<1.67 9.09 < 2.35 6.19 39.2 27.1 18.9 <0.0821		< 0.376	6.61	0.603	4.28	51.3	52.6	31.7	1850
 0.0821 3.17 < 1.18 2.09 NDR 14.0 NDR 12.8 9.41 <il><il><il><il><il><il><il><il><il><i< td=""><td></td><td>< 1.67</td><td>60.6</td><td>< 2.35</td><td>6.19</td><td>39.2</td><td>27.1</td><td>18.9</td><td>1810</td></i<></il></il></il></il></il></il></il></il></il>		< 1.67	60.6	< 2.35	6.19	39.2	27.1	18.9	1810
<0.283		< 0.821	3.17	< 1.18	2.09	NDR 14.0	NDR 12.8	9.41	703
 0.436 < 0.462 0.78 5.47 4.53 NDR 3.26 < 0.954 5.3 < 1.34 < 0.576 < 3.87 NDR 2.19 < 3.02 < 0.0406 K 0.309 < 0.577 0.695 K 2.83 K 3.93 3.6 < 0.486 41 8.3 83.1 555 646 624 < 4.86 41 4.195 32.7 300 210 183 < 3.02 30 6.56 83.9 555 644 624 < 3.02 30 210 614 563 < 3.02 39 6.56 83.9 535 616 586 < 3.40 38.5 8.54 8.2 52.2 644 620 < 2.23 15.3 3.86 29.1 188 246 204 <td></td><td>< 0.283</td><td>1.4</td><td>< 0.402</td><td>1.52</td><td>K 14.5</td><td>12.1</td><td>10.7</td><td>365</td>		< 0.283	1.4	< 0.402	1.52	K 14.5	12.1	10.7	365
< 0.954 5.3 < 1.34 < 0.576 < 3.87 NDR 2.19 < 3.02 < 0.406		< 0.329	0.436	< 0.462	0.78	5.47	4.53	NDR 3.26	235
< 0.406 K 0.309 < 0.577 0.695 K 2.83 K 3.93 3.6 < 4.86		< 0.954	5.3	< 1.34	< 0.576	< 3.87	NDR 2.19	< 3.02	NDR 96.5
< 4.86		< 0.406	K 0.309	< 0.577	0.695	K 2.83	K 3.93	3.6	K 66.5
< 4.86 41 8.3 83.1 555 646 624 < 3.52									
< 3.52 46.2 6.72 79.5 501 614 563 < 1.41		< 4.86	41	8.3	83.1	555	646	624	8400
<1.41	cate)	< 3.52	46.2	6.72	79.5	501	614	563	7260
< 3.02 39 6.66 83.9 535 616 586 < 3.40		< 1.41	44.4	< 1.95	32.7	300	210	183	7140
< 3.40 38.5 8.54 82 522 644 620 < 2.23		< 3.02	39	6.56	83.9	535	616	286	8520
< 2.23		< 3.40	38.5	8.54	82	522	644	620	7780
< 0.955 7.47 < < 1.39 15 140 134 115 < 1.51		< 2.23	15.3	3.86	29.1	188	246	204	4540
< 1.51 7.89 < 2.29 17.1 109 152 124 < 0.387		< 0.955	7.47	< 1.39	15	140	134	115	2720
< 0.367 4.93 < 64.6 39.3 32.8 < 0.642	licate)	< 1.51	7.89	< 2.29	17.1	109	152	124	2710
< 0.642 NDR 1.62 < 0.976 NDR 2.98 NDR 14.7 22 15.8 < 0.293		< 0.387	4.93	< 0.534	4.99	54.6	39.3	32.8	1370
< 0.293 NDR 0.492 < 0.435 NDR 1.22 NDR 5.22 NDR 8.78 NDR 6.55 < 0.354		< 0.642	NDR 1.62	< 0.976	NDR 2.98	NDR 14.7	22	15.8	298
< 0.354 3.55 < 0.488 3.95 29.2 27.1 23.9 < 0.398		< 0.293	NDR 0.492	< 0.435	NDR 1.22	NDR 5.22	NDR 8.78	NDR 6.55	150
< 0.354									
<0.398		< 0.354	3.55	< 0.488	3.95	29.2	27.1	23.9	637
< 0.398 3.03 < 0.549 3.31 26.7 20.6 K17.2 < 0.513									
< 0.513		< 0.398	3.03	< 0.549	3.31	26.7	20.6	K 17.2	538
< 0.470 3.17 < 0.658 3.04 23.3 23.9 17.5		< 0.513	4.23	< 0.718	K 4.62	35.3	26.8	18.8	824
	licate)	< 0.470	3.17	< 0.658	3.04	23.3	23.9	17.5	642

Table 8: Continued.

Sample Depth Br7-D	PE- B	r7-DPE-	Br7-DPE-	Br8-DPE-	Br9-DPE-	Br9-DPE-	Br9-DPE-	Br10-DPE-
(cm) 181	_	183	190	203	206	207	208	209

< 0.326	NDR 2.28	< 0.478	NDR 2.16	10.5	9.34	9.25	371
< 0.589	2	< 0.825	K 3.81	27.5	28.3	K 22.0	999
< 0.491	1.96	< 0.721	5.92	NDR 25.3	32.7	26.5	618
< 0.428	2.17	< 0.631	4.75	20.9	25.9	18.5	546
> 0.606	2.48	668'0 >	6.04	NDR 18.2	NDR 23.5	26.2	476
< 0.286	2.13	< 0.432	NDR 4.19	19.8	NDR 19.8	NDR 15.4	411
< 0.521	2.5	< 0.729	K 3.06	20.1	18.4	13.3	609
< 0.337	2.57	< 0.498	4.1	16.1	19.6	NDR 16.5	388
< 0.157	1.1	< 0.231	NDR 1.49	NDR 7.58	NDR 9.35	8.67	176
< 0.500	K 0.319	< 0.700	< 0.163	4.24	K 2.96	2.36	63.7

Core 6								
1-0	< 0.314	1.79	< 0.464	3.33	20	24.2	18.5	202
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
2-9	< 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	538
12-14	< 0.159	1.2	< 0.240	1.57	8.99	7.99	8.25	802
14-16	< 0.355	NDR 2.18	< 0.526	4.76	25.1	44.7	36.4	202
18-20	< 0.285	1.8	< 0.429	NDR 3.09	23.1	NDR 20.8	16.6	171
25-30	< 0.115	1.18	< 0.173	1.89	9.8	8.98	8.63	185
40-45	< 0.575	0.865	< 0.852	2.69	NDR 8.98	14.8	13.1	147

7 DID 1								
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
2-9	< 0.097	989.0	< 0.148	NDR 0.842	86.9	9:22	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	2.7	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	9.66	4310

050	7 0 V G G I V	0 2 3	6 02	NDD 2 40	02307	NDD 274	0000	17/0 1
554	NDR 12.7	31.1	20.7	NDR 2.69	< 0.290	1.66	< 0.164	16/0-1
272	NDR 12.1	18.7	10	1.58	NDR 0.364	1.7	< 0.103	15/0-1
946	52.3	87.9	45.4	6.8	< 0.691	6.86	< 0.392	14/0-1
315	16	NDR 24.1	16.8	2.02	< 0.165	1.12	< 0.145	13/0-1
304	NDR 15.6	NDR 32.6	NDR 18.5	NDR 2.23	< 0.189	2	< 0.189	12/0-1
446	32.1	59.9	NDR 31.9	4.17	< 0.332	2.72	< 0.261	11/0-1
2720	136	218	150	NDR 13.4	NDR 1.51	NDR 2.89	< 0.595	10/0-1
581	22.8	NDR 33.7	21.1	3.37	< 0.315	NDR 1.73	< 0.178	9/1-2
475	NDR 27.4	42.8	NDR 27.4	NDR 3.06	< 0.494	2.52	< 0.280	8/1-2
							e Depth	Cores/Sample Depth
4310	99.6	138	144	14.9	< 1.85	5.54	< 1.31	40-44
70.4	2.86	3.86	NDR 2.48	NDR 0.382	< 0.150	NDR 0.285	> 0.096	25-30
219	2.5	NDR 8.29	6.61	0.791	< 0.233	0.372	< 0.147	18-20
74.6	2.23	3.42	NDR 2.78	NDR 0.616	< 0.194	0.236	< 0.123	12-14
NDR 140	NDR 11.8	11.8	10.2	NDR 2.89	< 0.673	1.04	< 0.454	9-10
168	5.38	9:22	86.9	NDR 0.842	< 0.148	989.0	< 0.097	2-9

Table 8: Continued.

Sample Depth	Br7-DPE-	Br7-DPE-	Br7-DPE-	Br8-DPE-	Br9-DPE-	Br9-DPE-	Br9-DPE-	Br10-DPE-
(cm)	181	183	190	203	206	207	208	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

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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	60'6	15	8.82	339

HA9 IstoT

ht. NDR = peak detected but did not lls indicate the variable was not quantified. 936.3 991.8
 15.6
 79.2
 18.6
 19
 5.13
 2.06
 700.7

 11.7
 68.3
 19.4
 14.4
 4.52
 15.3
 564.2

 13.7
 46.9
 16.7
 17
 5.68.3
 1.66
 75.7

 18.4
 44.4
 18.2
 18.6
 5.34
 1.25
 675.7

 77.9
 55.4
 23.5
 57.1
 26.2
 27.4
 9
 27.6
 1033

 91.3
 79.7
 32.2
 69.5
 33.4
 94.2
 8.53
 3.64
 1298

 67
 48.4
 22.7
 51.4
 30.2
 25.1
 5.9
 2.4
 967
 658.5 697.8 546.3 17.6 7.36 1.97 (19.1 6.02 2.04 18.5 3.93 2.44 1.55
 79
 54.9
 27.5
 96.5
 70.4
 49.2
 14.7
 5.15

 48.4
 31.7
 14.5
 44.3
 48
 25.7
 5.23
 1.14
 4-Fluoranthenes/Pyrenes 7.85 C3-Fluoranthenes/Pyrenes 22-Fluoranthenes/Pyrenes 42.2 18 42.7 21.2 42.9 9.99 21-Fluoranthenes/Pyrenes 24-Phenanthrenes/Anthracenes 3-Phenanthrenes/Anthracenes 51.3 36.4 56.2 39.3 36 27.9 40.1 32.7 34.7 27.1 36.2 29.3 38.6 35.8 2 Phenanthrenes/Anthracenes 37.9 3 40.3 3
 4.19
 7.3
 6.29

 4.88
 8.68
 8.48

 5.25
 10.4
 9.65
 traps. All measurements are reported in ng/g dry weight. estimated maximum possible concentration. Blank cells in 3.34 3.8
 51.1
 18.4
 32
 30.1
 9.85
 7.32
 8.93
 5.46

 76.1
 23.8
 51.7
 45
 11.4
 8.25
 11.7
 7.68

 46.7
 14.1
 27.5
 28.8
 9.68
 64.3
 9.57
 7.97
 C3-Dibenzothiophenes 14.5 4.14 7.52 7.74 3.36 5.28 6.39 3.44 5.09 6.47 4.37 7.34 4.43 5.14 4.6 5.88 2.92 2.97 14.5 C2-Dibenzothiophenes 3.89 C1-Dibenzothiophenes 13.6 20.5 16.9 21.2 22.9 8.96 25.1 20 8.65 8.02 6.64 49.6 66.7 94.6 67.2 32.8 15.8 25.1 32.1 13.2 42.1 20.1 32 32.8 19.6 8.37 15.2 17.5 7.58 42.1 20.1 C4-Fluorenes 22.7 35.4 14.6 21.7 15 25 22.8 23.1 23-Fluorenes C2-Fluorenes
 37.8
 91.7
 50.3
 22.1
 10.6

 31.4
 56.1
 36.3
 15.4
 7.93

 34.7
 63.3
 47.9
 21.2
 9.76

 35.9
 65.8
 50.2
 22.8
 10.3
 1-Fluorenes 68.8 64.9 46.2 47.3 C3-Naphthalenes səuəleyiydeN-23 sauaiguaden-La NDR 1.24 4.61 6.24 3 NDR 1.24 4.06 5.51 3 NDR 1.63 4.75 5.96 3 NDR 2.27 5.65 7.73 3 geuzo[âpı]beıλıeue 36.5 36.5 36.5 ndeno[1,2,3-cd]pyrene 10.4 10.3 29.6 10.3 NDR 2.76 NDR 4.07 NDR 5.27 NDR 1.35 NDR 1.58 upenzlanjantnracene 13.4 6.75 6.54 36.8 N 13.5 6.14 6.86 28.9 N 16.6 8.59 7.73 32.2 N 17 10.2 7.95 61.5 N 65.4 45.6 48.7 32.1 186 72.4 48.7 32.1 7.3 28.1 9.7 52.4 0.616 178 P 32.8 43.2 37.5 eryiene Table 9: Results of the PAH analysis in sediment cores and temeet quantification criteria, result reported represents the senzolajpyrene 14 6.63 17.6 8.69 2.23 1.89
 21.2
 107
 108
 50.3
 59.4
 108
 48.5

 14.4
 73.7
 78.6
 38.2
 37.7
 74
 42.4

 64.6
 328
 157
 268
 133

 14.4
 73.7
 78.6
 38.2
 37.7
 74
 42.4

 44.4
 73.7
 78.6
 38.2
 37.7
 74
 42.4
 euzo[e]b\u00e4ue genzo[b/j/k]fluoranthene 6.9 10.8 8.69 13.7 9.32 11.8 7.55 11.4 Senz[a]anthracene 6.04 30.9 27.7 5.34 28.7 27.5 10.2 52.2 48.1
 5.29
 23.9
 5.6
 18.5
 16.4

 5.05
 22
 5.44
 16.8
 14.6

 5.18
 20.7
 3.48
 16.5
 14.4

 5.89
 24
 3.99
 22.2
 19.2
 336 1.73 NDR.2.00 8 38.1 4.39 23.2 20.3 28.2 20.3 28.2 2.17 2.36 7.99 43.8 5.54 30.5 27.3 20.2 4.23 NDR.1.97 5.77 37.5 6.92 35.7 36.4 4 15.9 4 0.649 1.75 2 Inoranthene nuracene 11.7 79.6 5 6.51 51.2 26 196 6.51 51.2 5.98 26.5 5.76 26.4 10.1 46.2 28.5 henanthrene luorene NDR 1.09 NDR 0.952 NDR 0.593 3.2 1.92 2.13 3.38 2.15 0.842 7.5 4.02 14.9 4.02 ceusphthene 75.6 7.51 55 7.94 10.8 0.828 70.3 13.9 40.5 10.8 89.3 41 40.5 10.8 22 1.71 23.8 1.25 24.3 1.42 1.49 2.85 6.73 2.3 0.948 0.898 1.89 cenaphthylene aphthalene Sediment Trap Core 3 Core 5 Core 7 Core 2 gsmble Depth (cm)

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.

204)		18.954 18.956 18.956 18.956 18.956 19.020 19.020 19.062 18.708		18.994 18.997 18.959 18.806 18.799 18.799 18.805	19.168 19.042 19.042 19.197 19.115 19.028 19.160 19.126	19.097 19.168 19.187 19.166 19.170 19.190
Pb (206/204)						
Pb Pb (206/208)		0.488 0.0489 0.0489 0.0486 0.0488 0.0488 0.0488 0.0488 0.0488 0.0488		0.490 0.489 0.489 0.489 0.486 0.0486 0.0486 0.0486 0.0486	0.489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489 0.0489	0.490 0.489 0.489 0.0490 0.0490 0.0490 0.0490
Pb (206/207		1.210 1.209 1.209 1.206 1.210 1.204 1.204 1.207 1.203		1.209 1.215 1.216 1.216 1.206 1.197 1.198 1.198 1.198 1.198 1.200 1.200	1.218 1.219 1.220 1.219 1.219 1.222 1.222 1.223 1.223 1.223	1.224 1.225 1.224 1.224 1.220 1.220 1.220
Рь (µg/g)		13.169 13.008 12.392 12.267 12.035 12.578 12.763 14.131 14.049		14.196 13.687 14.118 13.879 15.610 17.367 17.367 17.367 18.673	11.483 21.854 11.428 10.969 11.073 11.073 11.041 11.663 12.096 11.296	11.611 11.422 11.431 11.558 11.360 11.487
Zn (β/βπ)		107.249 107.841 102.124 101.514 98.725 97.743 101.254 102.708		109.894 106.071 107.071 107.081 107.990 113.075	93.343 96.679 92.917 94.898 92.231 95.324 96.396 98.703 98.703 99.703	93.604 91.222 92.255 93.742 94.832 94.193 93.710
(hg/g)		43.926 44.486 45.256 38.828 39.270 42.164 38.681 38.513		31,932 29,790 29,853 29,853 24,240 27,029 27,029 29,420 29,420 29,420 30,281 30,281	22.869 23.014 23.014 22.152 21.62 20.575 22.268 22.268 21.711 23.373 21.082	21.669 22.110 21.892 23.632 22.909 20.930 22.811
(в/вп)		47.979 47.142 47.142 47.142 46.226 45.475 48.458 47.757 48.466 50.238		48.523 49.269 49.269 49.308 47.490 51.537 51.722 52.258 55.005	49.244 48.149 49.800 49.870 49.371 49.796 51.054 49.23	50.743 49.463 50.453 50.030 49.339 49.634 49.634
Сr (µg/g)		91.534 75.453 70.000 76.064 65.926 89.332 92.528 96.250 86.565		87.876 87.406 77.608 78.885 94.705 94.352 94.633 90.227	87.249 66.289 30.722 66.282 40.630 32.667 95.928 79.811 92.562 80.076 34.835	32.055 26.929 32.699 34.656 95.247 94.151
Со (µg/g)		15.462 15.212 15.248 15.245 15.124 14.986 15.450 15.352 15.352 15.352		15,489 15,665 16,404 16,394 17,154	11.508 11.508 11.505 11.509 11.509 12.251 12.080 12.011	15,494 15,116 15,493 15,512 15,12 15,135 15,135 15,140
Αg (μg/g)		0.725 0.506 0.451 0.473 0.456 0.558 0.558 0.519 0.519		0.523 0.589 0.497 0.440 0.444 0.442 0.456	0.249 0.243 0.255 0.257 0.257 0.257 0.267 0.267 0.267	0.254 0.252 0.258 0.258 0.251 0.246 0.243
As (µg/g)		8.303 8.334 7.870 7.837 7.683 7.959 6.998 7.694 7.959		9.681 8.620 7.496 7.791 8.025 8.331	8.121 7.221 6.795 6.304 6.924 6.966 7.556 6.712 7.556 6.848	8.222 7.260 7.106 7.46 6.865 6.865 6.481 7.329
Re (µg/g)		3.196 3.511 3.157 3.621 3.621 3.623 3.629 3.629 3.629 3.633 3.643 3.643		3.246 5.569 3.628 3.628 3.531 3.529 3.927	2.631 2.741 2.86 2.86 2.922 2.922 2.699 2.699 2.597 2.597 2.597 2.597 3.357	2.862 2.918 2.795 3.071 2.686 2.886 2.828
О (Б/Бп)		1,827 1,890 1,795 1,795 1,795 1,908 1,908 1,909 1,909 1,909		1.757 1.869 1.795 1.795 1.795 2.039 2.039 2.163 2.163 2.272	1.664 1.796 1.796 1.616 1.695 1.695 1.652	1.685 1.631 1.724 1.685 1.595 1.781 1.685
Mo (µg/g)		1.506 1.505 1.426 1.509 1.672 2.203 1.808 1.808 1.808 1.808		1,436 1,574 1,949 1,549 1,569 1,745	1.019 0.985 0.987 0.987 0.987 0.987 0.012	0.992 0.986 1.046 1.093 0.958 1.067
Cd (µg/g)		0.405 0.471 0.471 0.422 0.387 0.387 0.381 0.369 0.369		0.431 0.394 0.384 0.384 0.371 0.271 0.271	0.239 0.234 0.237 0.226 0.227 0.237 0.237	0.246 0.229 0.242 0.227 0.230 0.234
AVS (µmol/g p.s.)		1.033 3.836 4.324 5.393 5.393 72.287 2.564 45.392		2.034 38.727 3.341 1.734 1.734 35.273 3.921 3.921 9.984	0.830 0.598 0.845 1.1.25 1.1.25 0.873 0.873 0.758 3.739	0.557 0.756 0.947 0.598 0.628 0.444
Мп (9/9)		481.426 488.174 475.295 478.781 463.313 458.054 488.004 473.819 504.125		490.195 483.862 487.725 488.824 488.824 510.199 510.199 520.556	519.562 501.056 501.056 517.488 517.396 532.910 530.098 530.098 512.935	509.549 497.810 520.482 508.010 519.300 519.143
Ва (µg/g)		577.711 596.268 609.516 579.535 566.426 567.568 572.715 572.715 603.750		589.980 605.442 606.442 596.077 582.969 611.369 618.333	566.414 576.586 571.667 563.182 579.627 579.627 581.980 601.201 590.398 590.398 550.365	577.927 562.351 575.339 581.083 587.115 579.661 580.292
(%)		1.997 2.100 1.893 1.880 1.957 1.962 1.962 1.962 1.963		1.965 1.786 1.831 2.180 1.869 1.873 1.920 1.843	1.897 1.912 1.952 1.953 1.953 1.955 2.162 2.162	1.939 1.982 1.982 1.950 1.968 1.968 1.944
Mg (%)		1.728 1.685 1.674 1.674 1.672 1.602 1.707 1.680		1.765 1.714 1.739 1.680 1.673 1.739 1.758 1.758	1,729 1,712 1,714 1,712 1,722 1,722 1,722 1,712 1,712 1,712 1,703 1,703	1.705 1.683 1.736 1.709 1.719 1.702
(%)		4.308 4.408 4.209 4.138 4.066 4.066 4.064 4.319 4.287		4.402 4.413 4.413 4.226 4.350 4.603 4.603 4.604	4,039 4,030 4,044 4,443 4,370 4,378 4,378 4,413 4,418 4,418	4.374 4.313 4.381 4.440 4.440 4.387
Al Fe (%)	Latitude: 49° 12' 28.8 Longitude: 123° 17' 60.0 Water Depth: 80 m	7.164 7.339 6.984 6.890 6.929 6.929 6.826 7.277	Latitude: 49° 12' 28.8 Longitude: 123° 17' 60.0 Water Depth: 80 m	48.807 7.306 47.907 7.306 47.907 7.306 47.214 7.401 39.514 7.250 39.514 7.200 39.712 7.629 39.712 7.629 40.315 7.629 40.316 7.629 40.316 7.629 40.316 7.808 40.316 7.808	7.250 7.226 7.226 7.334 7.136 7.107 6.933 7.111 7.135	Longitude: 49° 07° 48.0 Mater Depth: 80 m 45.581 7.011 42.487 7.011 40.577 7.043 38.219 7.107 38.219 7.107 38.219 7.107
	Latitude: 49° 12' 28.8 Longitude: 123° 17' 6 Water Depth: 80 m	50.340 50.721 44.850 44.784 42.428 41.801 36.473 36.473 32.050 34.089	ide: 49° 1. Itude: 123 ' Depth: 3	54.297 54.297 48.897 47.214 39.514 39.512 39.712 39.496 40.315 titude: 49° 0	47.417 47.419 44.743 44.743 38.899 38.899 37.466 36.182 36.182 36.182 36.182 36.182 34.616	Latitude, 49° 07*48, Water Depth; 80 m Water Depth; 80 m 45.88 7.057 42.487 7.011 42.487 7.011 38.219 7.107 3
b)		50 50 50 50 50 50 50 50 50 50 50 50 50 5	3 Latitu Longi Water	54 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	38 38 38 37 37 37 37 37	15 Latitu Longi Water
Sampling Interval (cm down grab)	Station: IONA 8 Replicate: 1	0-1cm 1-2cm 2-3cm 3-4cm 4-5cm 6-7cm 7-8cm 6-7cm 7-8cm 8-9cm	Station: IONA 8 Replicate: 2	0-1cm 1-2cm 2-3cm 2-3cm 2-3cm 4-5cm 6-7cm 7-8cm 8-9cm 9-10cm 9-10cm	0-1cm 1-2cm 2-3cm 2-3cm 4-5cm 6-7cm 7-8cm 9-10cm 10+cm	Station: IONA 15 Latitude: 49' 07' 48.0 Replicate: 2 Longitude: 123' 18' 38' 0-1cm 44.561 7.050 1-2cm 44.309 6.050 2-3cm 42.487 7.011 3-4cm 42.487 7.013 5-5cm 39.403 7.107 5-5cm 38.219 7.107 6-7cm 36.031 7.003

Table 11: Continued.

Station: IONA 8 Replicate: 1

Jcm	77.245	1.644	2.714	4254.960	2771.888	827.139
2cm	84.148	1.682	2.782	4190.781	2886.232	874.125
	74.522	1.581	2.612	4226.860	2700.969	828.266
	236.898	1.566	2.569	4191.671	2642.636	781.260
	549.222	1.501	2.525	3975.467	2605.859	784.041
	70.403	1.500	2.503	3922.541	2577.027	766.203
	68.434	1.558	2.420	4201.080	2758.984	788.676
	155.380	1.508	2.308	4200.250	2463.889	737.569
	64.289	1.615	2.374	4453.583	2500.000	806.194

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
2-6cm	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	743.62
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	29.066	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

		Ī				ı
0-1cm	81.473	1.566	2.549	4332.673	1424.187	
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				0-1
CRAM	0844	1515	Rhepoxynius barnardi	1				0-1
MOBI	0462	0060	Axinopsida serricata	72	1		73	0-1
MOBI	0472	0160	Compsomyax subdiaphana			2		0-1
MOBI	0414	0220	Ennucula tenuis		1			
MOBI	0456	0520	Macoma calcarea			2		0-1
MOBI	0456	0530	Macoma carlottensis		111	75	186	
MOBI	0456	0540	Macoma elimata		1			0-1
MOBI	0456	0570	Macoma sp.			1		0-1
MOBI	0472	0747	Nutricola sp.	1	12			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				0-1
POSE	0242	0042	Ampharete nr. acutifrons	3	1			
POSE	0248	0450	Capitella capitata complex	4				
POSE	0274	0720	Galathowenia oculata	3				0-1
POSE	0270	1140	Ophelina acuminata	2				0-1
POSE	0310	1220	Paraprionospio pinnata		1			0-1
ECOP	1074	0070	Ophiura sp.			1		1-2
MOBI	0462	0060	Axinopsida serricata	24	1	-		1-2
MOBI	0456	0530	Macoma carlottensis		45	34		1-2
MOBI	0472	0747	Nutricola sp.	4			4	
MOBI	0384	0860	Rochefortia tumida	1				1-2
MOBI	0478	1020	Yoldia seminuda			1	1	
MOGA	0610	0041	Alvania compacta	4		-		1-2
MOGA	0516	0090	Astyris gausapata	1				1-2
MOSC	0647	0063	Pulsellum salishorum	1				1-2
POER	0180	0500	Glycera nana	1				1-2
POER	0202	0710	Nephtys cornuta	1				
POSE	0248	0683	Decamastus nr. gracilis	<u> </u>	1			1-2
POSE	0270	1140	Ophelina acuminata	1	<u> </u>			1-2
CNHY	0090	0019	Campanularia groenlandica	1				2-3
MOBI	0462	0060	Axinopsida serricata	20	2			2-3
MOBI	0456	0520	Macoma calcarea			2		2-3
MOBI	0456	0530	Macoma carlottensis	2	45	11		2-3
MOBI	0430	0747	Nutricola sp.	2	2	11		2-3
MOBI	0412	0747	Pandora bilirata	+	1			2-3
MOBI	0392	0800	Parvilucina tenuisculpta	+	1			2-3
MOGA	0610	0041	Alvania compacta	3	ı			2-3
MOSC	0647	0041	Pulsellum salishorum	1				2-3 2-3
NTEA			1	+		4		2-3 2-3
POER	0000 0214	0001	Nemertea indet.	1		1		
		0360	Eumida longicornuta	1				2-3
POER	0182	0530	Glycinde armigera	1				2-3
POER	0202	0710	Nephtys cornuta	1				2-3
POER	0224	0890	Pholoe minuta	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	Family	Species						Depth
Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Interval
Station	Jour							(cm)
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	- ·
POER	0180	0500	Glycera nana	1			1	3-4
POER	0198	0615	Lumbrineris cruzensis	1			1	
POSE	0242	0042	Ampharete nr. acutifrons	1			1	
POSE	0280	1250	Pectinaria granulata	1				3-4
POSE	0314	1420	Pista wui		1		1	
CNHY	0090	0019	Campanularia groenlandica	1				4-5
MOBI	0462	0060	Axinopsida serricata	8				4-5
MOBI	0414	0220	Ennucula tenuis		3			4-5
MOBI	0392	0280	Lucinoma annulatum			1	1	
MOBI	0456	0520	Macoma calcarea			2		4-5
MOBI	0456	0530	Macoma carlottensis	1	39	3		4-5
MOBI	0472	0747	Nutricola sp.	1	3			4-5
MOBI	0392	0800	Parvilucina tenuisculpta	2				4-5
MOGA	0610 0528	0041	Alvania compacta	2 1			2	
MOGA		0250	Cylichna attonsa	1	1		1	
POER	0180 0204	0500	Glycera nana	1	1		1	-
POER POSE	0204	0760 0042	Nereis procera	1				4-5
POSE	0310	1820	Ampharete nr. acutifrons Spiophanes berkeleyorum	1			1	4-5 4-5
CNHY	0090	0019	Campanularia groenlandica	1	1		2	
MOBI	0462	0060	Axinopsida serricata	3	- 1			5-6
MOBI	0402	0220	Ennucula tenuis	1			1	
MOBI	0456	0520	Macoma calcarea	'		2	2	
MOBI	0456	0530	Macoma carlottensis	9	21	2		5-6
MOBI	0472	0747	Nutricola sp.	1	1			5-6
MOBI	0478	1020	Yoldia seminuda		1		1	
MOGA	0610	0041	Alvania compacta	1			1	
MOGA	0606	0820	Turbonilla sp.	1				5-6
POSE	0310	1605	Prionospio (Prionospio) jubata	1				5-6
CNHY	0090	0019	Campanularia groenlandica	2				6-bot
CROS	0682	0060	Euphilomedes producta	1			1	6-bot
MOBI	0462	0060	Axinopsida serricata	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		6-bot
MOBI	0456	0540	Macoma elimata		4	1		6-bot
MOBI	0456	0550	Macoma nasuta		1			6-bot
MOBI	0472	0747	Nutricola sp.	4	16			6-bot
MOBI	0392	0800	Parvilucina tenuisculpta	2				6-bot
MOBI	0384	0860	Rochefortia tumida	1				6-bot
MOBI	0478	1020	Yoldia seminuda	1	2			6-bot
MOGA	0610	0041	Alvania compacta	6				6-bot
MOGA	0516	0090	Astyris gausapata		3			6-bot
POER	0180	0500	Glycera nana	14	5			6-bot
POER	0182	0530	Glycinde armigera	5				6-bot
POER	0198	0615	Lumbrineris cruzensis	2	1			6-bot
POER	0202	0710	Nephtys cornuta	1				6-bot
POER	0204	0760	Nereis procera	2				6-bot
POER	0214 0186	0940 1025	Phyllodoce groenlandica	1				6-bot
POER POER	0186		Podarkeopsis perkinsi Scoletoma luti	1				6-bot 6-bot
POSE	0198	1040 0042		1				6-bot
FUSE	U 24 Z	0042	Ampharete nr. acutifrons	l I				บ-มบเ

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				6-bot
POSE	0248	0450	Capitella capitata complex	1			1	6-bot
POSE	0254	0660	Cossura pygodactylata	1				6-bot
POSE	0248	0683	Decamastus nr. gracilis	11				6-bot
POSE	0310	0697	Dipolydora cardalia	1				6-bot
POSE	0266	0713	Euclymene nr. zonalis	2				6-bot
POSE	0274	0720	Galathowenia oculata	1				6-bot
POSE	0248	0750	Heteromastus filobranchus	13				6-bot
POSE	0310	1610	Prionospio (Minuspio) lighti	1				6-bot
POSE	0310	1605	Prionospio (Prionospio) jubata	6	1			6-bot
POSE	0310	1820	Spiophanes berkeleyorum	1				6-bot
POSE	0312	1860	Sternaspis nr. fossor	1			1	6-bot
Station IONA 8	Replicate 2	0019	Companylaria grandandina	4			1	0-1
MOBI	0414	0019	Campanularia groenlandica Acila castrensis	4	1	1		0-1
MOBI	0414	0020	Axinopsida serricata	52	1	- 1		0-1
MOBI	0402	0160	Compsomyax subdiaphana	32		3		0-1
MOBI	0472	0220	Ennucula tenuis		1	3		0-1
MOBI	0392	0220	Lucinoma annulatum		ı	2		0-1
MOBI	0392	0520	Macoma calcarea			3		0-1
MOBI	0456	0530	Macoma carlottensis		32	11		0-1
MOBI	0412	0700	Nuculana hamata		1	11		0-1
MOBI	0472	0747	Nutricola sp.	4	33			0-1
MOBI	0418	0760	Pandora bilirata	1				0-1
MOBI	0392	0800	Parvilucina tenuisculpta		2			
MOGA	0516	0090	Astyris gausapata	3	6			0-1
MOGA	0544	0385	Eulima sp.	1				0-1
MOGA	0606	0680	Odostomia sp.		1			0-1
MOGA	0606	0820	Turbonilla sp.	2				0-1
MOSC	0647	0063	Pulsellum salishorum	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			0-1
POSE	0310	1640	Prionospio (Prionospio) steens					0-1
CNHY	0090	0019	Campanularia groenlandica	1				1-2
MOBI	0462	0060	Axinopsida serricata	14	2			1-2
MOBI	0456	0530	Macoma carlottensis	14	2			1-2
MOBI	0456	0540	Macoma elimata		4			1-2
MOBI	0478	0585	Megayoldia martyria			1		1-2
MOBI	0472	0747	Nutricola sp.	1	2			1-2
MOBI	0384	0860	Rochefortia tumida	2			2	1-2
POSE	0310	1605	Prionospio (Prionospio) jubata	2				1-2
CNHY	0090	0019	Campanularia groenlandica	3				2-3
CRAM	0844	1515	Rhepoxynius barnardi	1				2-3
MOBI	0462	0060	Axinopsida serricata	10	•			2-3
MOBI	0456	0530	Macoma carlottensis	2	9	1		2-3
MOBI	0456	0540	Macoma elimata		1			2-3
MOBI	0472	0747	Nutricola sp.	1	2			2-3
MOBI MOGA	0384	0860	Rochefortia tumida	1	4			2-3
IVIUGA	0516	0090	Astyris gausapata	l l	1		1	2-3
ECOP	1058	0040	Amphiodia urtica	1	1		2	3-4

Table 12: Continued.

Group	Family	Species	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval
Code	Code	Code	Genus/Species List	Adult	intermediate	Juvenile	Total	(cm)
Station IONA 8	Replicate 2							
MOBI	0456	0530	Macoma carlottensis	5	9	1		3-4
MOBI	0456	0540	Macoma elimata		1			3-4
MOBI	0478	0585	Megayoldia martyria			1		3-4
MOBI	0472	0747	Nutricola sp.		3			3-4
MOBI	0392	0800	Parvilucina tenuisculpta	1				3-4
MOBI	0478	1020	Yoldia seminuda	1				3-4
MOGA	0512	0150	Bittium munitum	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				
POSE	0248	0683	Decamastus nr. gracilis	1			1	3-4
POSE	0248 0312	0750	Heteromastus filobranchus	1	4		1	3-4
POSE ECHO	1098	1860 0150	Sternaspis nr. fossor	1	1			3-4 4-5
MOBI	0462	0060	Pentamera pseudocalcigera	6	1		<u>1</u> 7	4-5 4-5
MOBI	0462	0530	Axinopsida serricata Macoma carlottensis	1	6		7	4-5 4-5
MOBI	0430	0530	Nutricola sp.	1	U			4-5 4-5
MOGA	0606	0820	Turbonilla sp.	1			1	4-5 4-5
POER	0180	0500	Glycera nana	1			1	4-5 4-5
POER	0182	0530	Glycinde armigera	1			<u>'</u> 1	4-5 4-5
POER	0198	0615	Lumbrineris cruzensis	1			<u>'</u> 1	4-5 4-5
POER	0198	1040	Scoletoma luti	1				4-5 4-5
POSE	0280	1240	Pectinaria californiensis	1				4-5 4-5
CNHY	0090	0019	Campanularia groenlandica	1				5-6
MOBI	0462	0060	Axinopsida serricata	4				5-6
MOBI	0392	0280	Lucinoma annulatum	<u> </u>		1		5-6
MOBI	0456	0530	Macoma carlottensis		2	1		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			6-7
MOBI	0472	0747	Nutricola sp.	1				6-7
MOGA	0516	0090	Astyris gausapata			1	1	6-7
POER	0180	0500	Glycera nana	2	-			6-7
POER	0198	1040	Scoletoma luti	3				6-7
POSE	0266	0713	Euclymene nr. zonalis	2				6-7
MOBI	0462	0060	Axinopsida serricata	2				7-8
MOGA	0516	0090	Astyris gausapata		1			7-8
POER	0180	0500	Glycera nana	5				7-8
POER	0182	0530	Glycinde armigera	1				7-8
POER	0198	0615	Lumbrineris cruzensis	1				7-8
POSE	0248	0450	Capitella capitata complex		1			7-8
POSE	0248	0683	Decamastus nr. gracilis	8				7-8
POSE	0266	0713	Euclymene nr. zonalis	1				7-8
POSE	0248	0750	Heteromastus filobranchus	2				7-8
POSE	0276	0850	Levinsenia gracilis	2				7-8
POSE	0310	1220	Paraprionospio pinnata	1				7-8
POSE	0310	1605	Prionospio (Prionospio) jubata	1				7-8
CNHY	0090	0019	Campanularia groenlandica	4				8-bot
MOBI	0462	0060	Axinopsida serricata	90	2		92	8-bot

Table 12: Continued.

Group	Family	Species	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval
Code	Code	Code	Condo/Opecies Liet	, tuuit	momounato	Caronno	. Ota.	(cm)
Station IONA 8	Replicate 2							
MOBI	0414	0220	Ennucula tenuis		1			8-bot
MOBI	0392	0280	Lucinoma annulatum			1		8-bot
MOBI	0456	0520	Macoma calcarea			2		8-bot
MOBI	0456	0530	Macoma carlottensis	2	47	9		8-bot
MOBI	0456	0540	Macoma elimata		3	3		8-bot
MOBI	0472	0747	Nutricola sp.	5	22			8-bot
MOBI	0418	0760	Pandora bilirata		1			8-bot
MOBI	0392	0800	Parvilucina tenuisculpta	1	4			8-bot
MOBI	0478	1020	Yoldia seminuda		1	1		8-bot
MOGA	0516	0090	Astyris gausapata	0	3			8-bot
MOGA	0512	0150	Bittium munitum	2	4			8-bot
MOGA	0606	0680	Odostomia sp.	1	1			8-bot
MOGA	0606	0820	Turbonilla sp.	1				8-bot
NTEA POER	0156 0214	0210	Tubulanus polymorphus	2				8-bot
POER	0214	0300 0500	Eteone longa complex	6				8-bot 8-bot
POER	0180	0500	Glycera nana Glycinde armigera	1				8-bot
POER	0198	0615	Lumbrineris cruzensis	2				8-bot
POER	0204	0760	Nereis procera	2				8-bot
POER	0198	0780	Ninoe gemmea	1				8-bot
POER	0224	0890	Pholoe minuta	1				8-bot
POER	0224	0895	Pholoe sp. N-1	1				8-bot
POER	0198	1040	Scoletoma luti	2				8-bot
POSE	0252	0122	Aphelochaeta sp. 2	2				8-bot
POSE	0248	0383	Barantolla nr. americana	3				8-bot
POSE	0248	0450	Capitella capitata complex	1				8-bot
POSE	0248	0680	Decamastus gracilis	15				8-bot
POSE	0266	0713	Euclymene nr. zonalis	3				8-bot
POSE	0248	0750	Heteromastus filobranchus	13	2			8-bot
POSE	0248	0950	Mediomastus spp.	3			3	8-bot
POSE	0310	1220	Paraprionospio pinnata	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				8-bot
POSE	0310	1640	Prionospio (Prionospio) steens	1			1	8-bot
POSE	0310	1820	Spiophanes berkeleyorum	1				8-bot
POSE	0312	1860	Sternaspis nr. fossor	2			2	8-bot
Station	Replicate 1							
IONA 15	•							
CNHY	0090	0019	Campanularia groenlandica	6				0-1
CRAM	0844	0600	Heterophoxus affinis	1	1			0-1
CRCU	0700	0055	Diastylis alaskensis	1				0-1
CRCU	0704	0125	Eudorellopsis integra	1				0-1
CROS	0682	0055	Euphilomedes carcharodonta	1				0-1
CROS	0682	0060	Euphilomedes producta	11				0-1
ECOP	1058	0040	Amphiodia urtica		1			0-1
ECOP	0000	0001	Ophiuroidea indet.	00	4-	1		0-1
MOBI	0462	0060	Axinopsida serricata	69	47	00	116	
MOBI	0456	0530	Macoma carlottensis		64	32		0-1
MOBI	0456	0540	Macoma elimata		40	4		0-1
MOBI	0472	0747	Nutricola sp.	2	12			0-1
MOBI	0418	0760	Pandora bilirata	1	4			0-1
MOGA	0478 0528	1020 0245	Yoldia seminuda	 	1			0-1
MOGA			Cylichna alba	4	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
Station IONA 15	Replicate 1	9000						(cm)
MOSC	0647	0063	Pulsellum salishorum	4	1		5	0-1
NTEA	0000	0001	Nemertea indet.		<u>'</u>	9		0-1
NTEA	0154	0260	Tetrastemma sp.			1	1	0-1
POER	0198	0615	Lumbrineris cruzensis		1	,		0-1
POER	0202	0710	Nephtys cornuta	2	•			0-1
POER	0224	0900	Pholoe spp.	1			1	0-1
POER	0214	0940	Phyllodoce groenlandica		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			0-1
POSE	0274	0720	Galathowenia oculata	11				0-1
POSE	0310	1220	Paraprionospio pinnata		1			0-1
POSE	0280	1240	Pectinaria californiensis		1		1	0-1
CROS	0682	0060	Euphilomedes producta	6				
ECHO	1098	0150	Pentamera pseudocalcigera			1		1-2
MOBI	0462	0060	Axinopsida serricata	35	21			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	0800	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		1-2
CRAM	0844	1515	Rhepoxynius barnardi	1				2-3
CRCU	0704	0100	Eudorella pacifica	1				2-3
CROS	0682	0060	Euphilomedes producta	2				2-3
MOBI	0462	0060	Axinopsida serricata	15	9			2-3
MOBI	0456	0530	Macoma carlottensis		35	7		2-3
MOBI	0456	0570	Macoma sp.			2		2-3
NTEA	0000	0001	Nemertea indet.			1		2-3
POER	0202	0710	Nephtys cornuta	1				2-3
POSE	0242	0042	Ampharete nr. acutifrons	1				2-3
POSE	0260	0420	Brada sachalina	1				2-3
POSE	0260	0430	Brada spp.		1			2-3
POSE	0274	0720	Galathowenia oculata	4			4	2-3
POSE	0248	0950	Mediomastus spp.	1				2-3
POSE	0280	1250	Pectinaria granulata	1				2-3
POSE	0310	1605	Prionospio (Prionospio) jubata	1			1	2-3
CRAM	0844	0600	Heterophoxus affinis	1	1			3-4
CRAM	0844	1515	Rhepoxynius barnardi	3				3-4
CRAM	0832	1620	Westwoodilla caecula	1				3-4
CROS	0682	0060	Euphilomedes producta	1				3-4
MOAP	0338	0030	Chaetoderma argenteum	1	40			3-4
MOBI	0462	0060	Axinopsida serricata	7	10 24	-		3-4
MOBI	0456	0530	Macoma carlottensis		24	2		3-4
MOBI	0478	1020	Yoldia seminuda			1	1	3-4

Table 12: Continued.

Group	Family	Species	0	A -114	lata ana allata		T-4-1	Depth
Code	Code	Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	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	
POER	0198	0615	Lumbrineris cruzensis	1				3-4
POER	0202	0710	Nephtys cornuta	2				3-4
POER	0224	0895	Pholoe sp. N-1	1	1		2	3-4
POER	0198	1040	Scoletoma luti	1			1	-
POSE	0242	0042	Ampharete nr. acutifrons	1	2		3	
POSE	0260	0420	Brada sachalina	1			1	3-4
POSE	0274	0720	Galathowenia oculata	7				3-4
POSE	0310	1605	Prionospio (Prionospio) jubata	1			1	· ·
POSE	0312	1860	Sternaspis nr. fossor		1			3-4
CRAM	0844	0600	Heterophoxus affinis	1	1			4-5
CRAM	0844	1515	Rhepoxynius barnardi	1				4-5
CRTA	0708	0015	Araphura breviaria	1	4		1	
ECOP	1058	0040	Amphiodia urtica	2	1			4-5
MOBI	0462	0060	Axinopsida serricata	4	4		4	
MOBI	0414	0220	Ennucula tenuis	1	1	•	2	
MOBI	0456	0530	Macoma carlottensis		28	3		4-5
MOBI MOBI	0456 0384	0540 0860	Macoma elimata	1	1	1		4-5
MOBI	0364	1020	Rochefortia tumida Yoldia seminuda	I	1			4-5 4-5
POER	0478	0530			<u>1</u>			4-5 4-5
POER	0202	0530	Glycinde armigera Nephtys cornuta	1	ı			4-5 4-5
POSE	0202	0042	Ampharete nr. acutifrons	1			1	
POSE	0242	0720	Galathowenia oculata	1				4-5 4-5
POSE	0312	1860	Sternaspis nr. fossor	'	2			4-5
CRAM	0844	1515	Rhepoxynius barnardi	1			1	
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	
MOBI	0456	0530	Macoma carlottensis	1	19	1		5-6
MOBI	0456	0570	Macoma sp.	·		2		5-6
MOBI	0384	0860	Rochefortia tumida		1			5-6
MOBI	0478	1020	Yoldia seminuda		3			5-6
POER	0214	0300	Eteone longa complex	1				5-6
POER	0224	0895	Pholoe sp. N-1		1		1	
POSE	0242	0042	Ampharete nr. acutifrons	4			4	
POSE	0248	0683	Decamastus nr. gracilis	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				5-6
POSE	0312	1860	Sternaspis nr. fossor		2			5-6
POSE	0318	1990	Trochochaeta multisetosa	1				5-6
CNHY	0090	0019	Campanularia groenlandica	2				6-7
ECOP	1058	0040	Amphiodia urtica	2				6-7
MOBI	0462	0060	Axinopsida serricata		2			6-7
MOBI	0414	0220	Ennucula tenuis	1				6-7
MOBI	0456	0530	Macoma carlottensis		17		17	6-7
MOBI	0456	0540	Macoma elimata		1	1		6-7
MOBI	0478	1020	Yoldia seminuda	1	1		2	6-7
NTEA	0156	0210	Tubulanus polymorphus	2				6-7
POER	0180	0500	Glycera nana	1				6-7
POER	0182	0530	Glycinde armigera	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	Family	Species						Depth
Code	Code	Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Interval (cm)
Station IONA 15	Replicate 1							(0)
POSE	0248	0950	Mediomastus spp.		1			6-7
POSE	0310	1220	Paraprionospio pinnata	1				6-7
POSE	0310	1605	Prionospio (Prionospio) jubata	1	1			6-7
POSE	0312	1860	Sternaspis nr. fossor	1	1			6-7
CRAM	0844	1515	Rhepoxynius barnardi	3				7-8
ECOP	1058	0040	Amphiodia urtica	1	1			
MOBI	0414	0220	Ennucula tenuis	1				7-8
MOBI	0456	0530	Macoma carlottensis	4	4			7-8
MOBI	0456	0540	Macoma elimata		3	1		7-8
MOBI	0472	0747	Nutricola sp.		1			
MOBI	0478	1020	Yoldia seminuda		1			7-8
POER POER	0180	0500	Glycera nana	6 1				7-8 7-8
POER	0182 0224	0530 0895	Glycinde armigera Pholoe sp. N-1	1			1	
POER	0198	1040	Scoletoma luti	3				7-8
POSE	0198	0683	Decamastus nr. gracilis	1	1			
POSE	0266	0713	Euclymene nr. zonalis	1			1	
POSE	0266	0710	Euclymeninae indet.	1			1	
POSE	0310	0800	Laonice cirrata	1				7-8
POSE	0276	0850	Levinsenia gracilis	1				7-8
POSE	0310	1220	Paraprionospio pinnata	1				7-8
POSE	0312	1860	Sternaspis nr. fossor	1				7-8
MOBI	0462	0060	Axinopsida serricata	·	1			8-9
MOBI	0456	0530	Macoma carlottensis	5	2			
MOBI	0456	0540	Macoma elimata		1	1		
MOSC	0648	0080	Rhabdus rectius	1				
POER	0214	0320	Eteone spilotus	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				8-9
POSE	0248	0683	Decamastus nr. gracilis	12	2			8-9
POSE	0310	0697	Dipolydora cardalia	1				8-9
POSE	0276	0850	Levinsenia gracilis	1				8-9
POSE	0248	0950	Mediomastus spp.		1			8-9
POSE	0310	1610	Prionospio (Minuspio) lighti	1				
POSE	0272	1747	Scoloplos nr. acmeceps	1				8-9
POER	0214	0300	Eteone longa complex	1				9-10
POER	0180	0500	Glycera nana	5				9-10
POER POSE	0198	1040	Scoletoma luti	1				9-10
POSE	0248 0248	0383 0680	Barantolla nr. americana Decamastus gracilis	12				9-10 9-10
POSE	0248	0750	Heteromastus filobranchus	12	1			9-10
POSE	0246	0820	Leitoscoloplos pugettensis	1	ı			9-10
POSE	0266	1540	Praxillella gracilis	2				9-10
POSE	0266	1550	Praxillella pacifica	1				9-10
POSE	0310	1610	Prionospio (Minuspio) lighti	1				9-10
POSE	0312	1860	Sternaspis nr. fossor	1				9-10
ANOL	1136	1136	Tubificidae indet.	1				10-bot
CNHY	0090	0019	Campanularia groenlandica	3				10-bot
CRAM	0844	0600	Heterophoxus affinis		1			10-bot
CRAM	0844	1515	Rhepoxynius barnardi	2			2	10-bot
CRDE	0932	0230	Pinnixa occidentalis	1	4			10-bot
CROS	0682	0060	Euphilomedes producta	9			9	10-bot
CRTA	0708	0015	Araphura breviaria	1				10-bot
ECOP	1058	0040	Amphiodia urtica	1	3			10-bot
ECOP	1074	0058	Ophiura leptoctenia		1			10-bot
MOBI	0414	0020	Acila castrensis		1		1	10-bot

Table 12: Continued.

0	F!	0						Depth
Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Interval
	Code	Code						(cm)
Station IONA 15	Replicate 1							
MOBI	0462	0040	Adontorhina cyclia	1				10-bot
MOBI	0462	0060	Axinopsida serricata	69	43			10-bot
MOBI	0456	0530	Macoma carlottensis	8	88	24		10-bot
MOBI	0456	0540	Macoma elimata		4	5		10-bot
MOBI MOBI	0478 0472	0585 0747	Megayoldia martyria Nutricola sp.		<u>2</u> 5	1		10-bot 10-bot
MOBI	0472	0747	Pandora bilirata	3	ე			10-bot
MOBI	0392	0800	Parvilucina tenuisculpta	3	1			10-bot
MOBI	0478	1020	Yoldia seminuda	1	3			10-bot
MOGA	0512	0150	Bittium munitum	1	2			10-bot
MOGA	0528	0250	Cylichna attonsa	1				10-bot
MOSC	0647	0063	Pulsellum salishorum	3				10-bot
NTEA	0000	0001	Nemertea indet.			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				10-bot
POER	0180	0500	Glycera nana	4				10-bot
POER	0182	0530	Glycinde armigera			1		10-bot
POER	0182	0575	Goniada brunnea	1				10-bot
POER	0198	0615	Lumbrineris cruzensis	1	1			10-bot
POER	0220	0665	Malmgreniella bansei	2				10-bot
POER	0198	0780	Ninoe gemmea	1				10-bot
POER	0208	0830	Onuphis iridescens	2				10-bot
POER	0224	0900	Pholoe spp.		1			10-bot
POER	0198	1040	Scoletoma luti	1				10-bot
POER	0220	1200	Tenonia priops	1				10-bot
POSE	0242	0042	Ampharete nr. acutifrons	3				10-bot
POSE POSE	0314 0248	0340 0383	Artacama coniferi	1				10-bot 10-bot
POSE	0248	0680	Barantolla nr. americana Decamastus gracilis	18				10-bot
POSE	0248	0683	Decamastus gracilis Decamastus nr. gracilis	3				10-bot
POSE	0246	0710	Euclymeninae indet.	1				10-bot
POSE	0274	0710	Galathowenia oculata	7				10-bot
POSE	0248	0750	Heteromastus filobranchus	5				10-bot
POSE	0266	0920	Maldane sarsi	1				10-bot
POSE	0280	1240	Pectinaria californiensis	·	1			10-bot
POSE	0266	1550	Praxillella pacifica	1	2			10-bot
POSE	0310	1610	Prionospio (Minuspio) lighti	5				10-bot
POSE	0310	1605	Prionospio (Prionospio) jubata	6			6	10-bot
POSE	0272	1747	Scolopios 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				0-1
CRCU	0704	0100	Eudorella pacifica	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			0-1
MOBI	0478	1015	Yoldia hyperborea			1		0-1
MOSC	0647	0063	Pulsellum salishorum	1				0-1
NTEA	0148	0170	Cerebratulus californiensis		1			0-1
PLTY	0128	0128	Leptoplanidae indet.		-	2		0-1
POER	0220	0480	Gattyana treadwelli	1				0-1
POER	0202	0710	Nephtys cornuta	1			1	0-1

Table 12: Continued.

Group	Family	Species	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval
Code	Code	Code	Condo/opedico Elot	Addit	memediate	ouvernie	Total	(cm)
Station IONA 15	Replicate 2							
POSE	0242	0042	Ampharete nr. acutifrons		2	1		0-1
POSE	0274	0720	Galathowenia oculata	8	1			0-1
POSE	0310	1220	Paraprionospio pinnata		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	
CRAM	0844	1515	Rhepoxynius barnardi	1			1	1-2
CROS	0682	0055	Euphilomedes carcharodonta	1			1	1-2
ECOP	1058 0462	0040	Amphiodia urtica	20	2 13	1		1-2 1-2
MOBI		0060	Axinopsida serricata	28		4		1-2
MOBI MOBI	0456 0456	0530 0570	Macoma carlottensis		67	2		
MOGA	0436	0250	Macoma sp. Cylichna attonsa		1		1	1-2
MOSC	0647	0250	Pulsellum salishorum	1	- 1		1	
MOSC	0648	0080	Rhabdus rectius	1			1	
POER	0180	0500	Glycera nana	1			1	1-2
POER	0198	0615	Lumbrineris cruzensis	'	1		1	
POER	0202	0710	Nephtys cornuta	4	I		4	
POSE	0242	0042	Ampharete nr. acutifrons	1				1-2
POSE	0260	0420	Brada sachalina	'	1			1-2
POSE	0248	0683	Decamastus nr. gracilis		1		1	
POSE	0274	0720	Galathowenia oculata	9	1			1-2
POSE	0310	0800	Laonice cirrata	1	•			1-2
POSE	0248	0950	Mediomastus spp.	·	1		1	
POSE	0310	1220	Paraprionospio pinnata		3			1-2
CRAM	0844	0600	Heterophoxus affinis		1			2-3
CRAM	0844	1515	Rhepoxynius barnardi	1				
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	
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		2-3
MOBI	0456	0570	Macoma sp.			4		2-3
MOSC	0647	0063	Pulsellum salishorum	1				2-3
NTEA	0140	0160	Amphiporus sp.		2			2-3
POER	0182	0530	Glycinde armigera	3				2-3
POER	0198	0615	Lumbrineris cruzensis	1				_
POER	0202	0710	Nephtys cornuta	4				2-3
POER	0224	0895	Pholoe sp. N-1		2			2-3
POSE	0248	0683	Decamastus nr. gracilis	40	3	1		2-3
POSE	0274	0720	Galathowenia oculata	10	3			2-3
POSE	0280	1240	Pectinaria californiensis	1				2-3
POSE	0310	1610	Prionospio (Minuspio) lighti	1				2-3 3-4
CRAM CRAM	0844 0844	0600 1515	Heterophoxus affinis	1	1			3-4
CROS	0682	0060	Rhepoxynius barnardi Euphilomedes producta	4	1			3-4
ECOP	1058	0040	Amphiodia urtica		1	1	1	3-4
MOBI	0462	0040	Ariphilodia urtica Axinopsida serricata	10				3-4
MOBI	0462	0530	Macoma carlottensis	10	56	9		3-4
MOBI	0456	0530	Macoma elimata		2	1	3	3-4
MOGA	0528	0250	Cylichna attonsa	1		1		3-4
NTEA	0156	0230	Tubulanus polymorphus	1				3-4
POER	0182	0530	Glycinde armigera	1				3-4
	0198	0615	Lumbrineris cruzensis	1				3-4
LOFK						i e		
POER POER	0220	0666	Malmgreniella berkeleyorum	1			1	3-4

Table 12: Continued.

Group	Family	Species						Depth
Code	Code	Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Interval (cm)
Station IONA 15	Replicate 2							(444)
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	-
POSE	0266	0710	Euclymeninae indet.	1			1	• .
POSE	0274	0720	Galathowenia oculata	10			10	3-4
POSE	0272	0820	Leitoscoloplos pugettensis	1			1	
POSE	0276	0850	Levinsenia gracilis	1			1	
POSE	0310	1605	Prionospio (Prionospio) jubata	3				3-4
SIPN	0330	0020	Thysanocardia nigra	4	1			3-4
CRAM	0844	0600	Heterophoxus affinis	1	1		2	
CRAM	0844	1515	Rhepoxynius barnardi	2				4-5
CROS ECOP	0682 1058	0060 0040	Euphilomedes producta Amphiodia urtica	1	1			4-5 4-5
MOBI	0414	0040	Ariphiodia urtica Acila castrensis	I	<u> </u>		1	
MOBI	0414	0060	Axinopsida serricata	9	5			4-5 4-5
MOBI	0462	0530	Macoma carlottensis	9	19			4-5
MOBI	0456	0540	Macoma elimata		19	2		4-5
NTEA	0456	0210	Tubulanus polymorphus	1			1	
POER	0180	0500	Glycera nana	1				4-5
POER	0202	0720	Nephtys ferruginea	1				4-5
POER	0198	1040	Scoletoma luti	1			1	
POSE	0242	0042	Ampharete nr. acutifrons	1	1		2	
POSE	0276	0180	Aricidea lopezi	1			1	
POSE	0252	0510	Chaetozone spp.		1		1	
POSE	0248	0683	Decamastus nr. gracilis	3	1			4-5
POSE	0274	0720	Galathowenia oculata	10	•			4-5
POSE	0276	0850	Levinsenia gracilis	1			1	
POSE	0280	1240	Pectinaria californiensis	·	1		1	
POSE	0310	1605	Prionospio (Prionospio) jubata	5			5	
POSE	0272	1747	Scoloplos nr. acmeceps	1			1	
POSE	0312	1860	Sternaspis nr. fossor	2			2	
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				5-6
ECOP	1058	0040	Amphiodia urtica	3				5-6
MOAP	0338	0030	Chaetoderma argenteum		1			5-6
MOBI	0462	0060	Axinopsida serricata	4	1		5	5-6
MOBI	0414	0220	Ennucula tenuis	1			1	
MOBI	0456	0530	Macoma carlottensis	1		1	2	
MOBI	0456	0540	Macoma elimata		1			5-6
POER	0214	0320	Eteone spilotus	1				5-6
POER	0180	0500	Glycera nana	1				5-6
POER	0182	0530	Glycinde armigera	1				5-6
POER	0198	0615	Lumbrineris cruzensis	2				5-6
POER	0208	0840	Onuphis spp.	1				5-6
POER	0214	0940	Phyllodoce groenlandica	1				5-6
POER	0198	1040	Scoletoma luti	1	1			5-6
POSE	0276	0180	Aricidea lopezi	1				5-6
POSE	0248	0683	Decamastus nr. gracilis	6				5-6
POSE POSE	0276 0248	0850	Levinsenia gracilis	2 1			2	5-6 5-6
POSE	0248	0945 1610	Mediomastus ambiseta	1				5-6
POSE	0310	1605	Prionospio (Minuspio) lighti Prionospio (Prionospio) jubata	1				5-6
CRAM	0310	0500	Eusirus columbianus	1				6-bot
CRAM	0798	0600	Heterophoxus affinis		1			6-bot
CRAM	0848	1340	Pleusymtes subglaber	1	I			6-bot
CRAM	0832	1620		1				6-bot
CKAIVI	0832	1020	Westwoodilla caecula	1			1	0-000

Table 12: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Total	Depth Interval (cm)
Station IONA 15	Replicate 2							(CIII)
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				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			6-bot
POSE	0274	0720	Galathowenia oculata	7			7	6-bot
POSE	0248	0750	Heteromastus filobranchus	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				6-bot
POSE	0318	1990	Trochochaeta multisetosa	1				6-bot
SIPN	0330	0020	Thysanocardia nigra		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	
MOAP	0338	0050	Falcidens longus	2	0	0	2	
POER	0202	0710	Nephtys cornuta	2	0	0	2	
POER	0198	1040	Scoletoma luti	2	0	0	2	
POSE	0276	0180	Aricidea lopezi	1	0	0	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		3
ECHO	1092	0015	Chirodota albatrossii	2	0	0		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
POSE	0310	0700	Dipolydora socialis	0	1	0	1	3
POSE	0316	2000	Trichobranchus glacialis	1	0	0	1	3
GVRD 2	1							
	0700	0440	I A 1/2		41	0	0	4
CRAM	0762	0140	Ampelisca unsocalae	2	1	0	3	
CRAM	0832	0285	Bathymedon sp.	1	0	0	1	
CRAM	0844	0600	Heterophoxus affinis	1	0	0	1	
CRAM	0844	0600	Heterophoxus affinis	2	1	0	2	
CRAM CRAM	0844	1234	Paraphoxus gracilis		0	0	1	
CRCU	0810 0700	1440 0060	Protomedeia grandimana	0	0	0	1	1
	T	1	Diastylis pellucida					
CRCU	0704 0682	0100 0060	Eudorella pacifica	1 1	0	0	1 1	
		0000	Euphilomedes producta		U	_	1	
	1000	0050	Dringator latifyana		0	^		l I
ECEC	1082	0050	Brisaster latifrons	1	0	0		
ECEC ECHO	1092	0015	Chirodota albatrossii	1 2	2	0	4	1
ECEC ECHO ECOP	1092 1074	0015 0058	Chirodota albatrossii Ophiura leptoctenia	1 2 3	2	0	4 5	1
ECEC ECHO ECOP MOAP	1092 1074 0338	0015 0058 0030	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum	1 2 3 1	2 2 0	0 0 3	4 5 4	1 1 1
ECEC ECHO ECOP MOAP MOAP	1092 1074 0338 0338	0015 0058 0030 0030	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum	1 2 3 1	2 2 0 1	0 0 3 0	4 5 4 2	1 1 1
ECEC ECHO ECOP MOAP MOAP MOBI	1092 1074 0338 0338 0462	0015 0058 0030 0030 0060	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum Axinopsida serricata	1 2 3 1 1 1	2 2 0 1 2	0 0 3 0 0	4 5 4 2 3	1 1 1 1 1
ECEC ECHO ECOP MOAP MOAP MOBI MOBI	1092 1074 0338 0338 0462 0462	0015 0058 0030 0030 0060	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum Axinopsida serricata Axinopsida serricata	1 2 3 1 1 1 1	2 2 0 1 2 17	0 0 3 0 0	4 5 4 2 3 28	1 1 1 1 1
ECEC ECHO ECOP MOAP MOAP MOBI MOBI	1092 1074 0338 0338 0462 0462 0356	0015 0058 0030 0030 0060 0060 0200	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum Axinopsida serricata Axinopsida serricata Cyclocardia ventricosa	1 2 3 1 1 1 1 11	2 0 1 2 17 1	0 0 3 0 0 0	4 5 4 2 3 28 1	1 1 1 1 1 1 1
ECEC ECHO ECOP MOAP MOAP MOBI MOBI MOBI MOBI	1092 1074 0338 0338 0462 0462 0356 0414	0015 0058 0030 0030 0060 0060 0200 0220	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum Axinopsida serricata Axinopsida serricata Cyclocardia ventricosa Ennucula tenuis	1 2 3 1 1 1 1 11 0	2 0 1 2 17 1 1	0 0 3 0 0 0 0	4 5 4 2 3 28 1	1 1 1 1 1 1 1 1
ECEC ECHO ECOP MOAP MOAP MOBI MOBI MOBI MOBI MOBI	1092 1074 0338 0338 0462 0462 0356 0414 0456	0015 0058 0030 0030 0060 0060 0200 0220 0530	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum Axinopsida serricata Axinopsida serricata Cyclocardia ventricosa Ennucula tenuis Macoma carlottensis	1 2 3 1 1 1 1 11 0 0	2 0 1 2 17 1 1 3	0 0 3 0 0 0 0 0	4 5 4 2 3 28 1 1	1 1 1 1 1 1 1 1 1
ECEC ECHO ECOP MOAP MOAP MOBI MOBI MOBI MOBI MOBI MOBI	1092 1074 0338 0338 0462 0462 0356 0414 0456	0015 0058 0030 0030 0060 0060 0200 0220 0530 0540	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum Axinopsida serricata Axinopsida serricata Cyclocardia ventricosa Ennucula tenuis Macoma carlottensis Macoma elimata	1 2 3 1 1 1 1 11 0 0	2 0 1 2 17 1 1 3	0 0 3 0 0 0 0 0	4 5 4 2 3 28 1 1 7	1 1 1 1 1 1 1 1 1 1 1
ECEC ECHO ECOP MOAP MOAP MOBI MOBI MOBI MOBI MOBI	1092 1074 0338 0338 0462 0462 0356 0414 0456	0015 0058 0030 0030 0060 0060 0200 0220 0530	Chirodota albatrossii Ophiura leptoctenia Chaetoderma argenteum Chaetoderma argenteum Axinopsida serricata Axinopsida serricata Cyclocardia ventricosa Ennucula tenuis Macoma carlottensis	1 2 3 1 1 1 1 11 0 0	2 0 1 2 17 1 1 3	0 0 3 0 0 0 0 0	4 5 4 2 3 28 1 1 7 2	1 1 1 1 1 1 1 1 1 1 1 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	
MOBI	0478	1020	Yoldia seminuda	1	1	0	2	1
MOGA	0610	0041	Alvania compacta	2	0	0		
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
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		
POER	0182	0530	Glycinde armigera	1	0	0		
POER	0182	0530	Glycinde armigera	1	0	0		
POER	0182	0575	Goniada brunnea	1	0	0		
POER	0198	0615	Lumbrineris cruzensis	9	0	0		-
POER	0220	0679	Malmgreniella nr. berkeleyorum	2	0	0	2	
POER	0202	0720	Nephtys ferruginea	1	0	0	1	
POER	0202	0725	Nephtys punctata	1	0	0	1	
POER	0202	0725	Nephtys punctata	1	0	0		-
POER	0202	0830	Onuphis iridescens	3	0	0	3	
POER	0206	1025		1	0	0		1
POER	0198	1025	Podarkeopsis perkinsi Scoletoma luti	13		0		1
					4			•
POER	0198	1040	Scoletoma luti	6	0	0		1
POER	0228	1225	Typosyllis heterochaeta	1	0	0	1	1
POSE	0242	0074	Amphicteis scaphobranchiata	1	0	0	1	-
POSE	0310	0697	Dipolydora cardalia	13	1	0	14	
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		
POSE	0248	0750	Heteromastus filobranchus	2	0	0		
POSE	0314	0776	Lanassa gracilis	1	0	0		1
POSE	0266	0920	Maldane sarsi	88	0	0	88	
POSE	0266	0920	Maldane sarsi	13	0	0		
POSE	0248	0945	Mediomastus ambiseta	1	0	0	1	1
POSE	0248	0948	Mediomastus californiensis	1	0	0		
POSE	0266	0987	Microclymene nr. caudata	9		0	9	1
POSE	0310	1220	Paraprionospio pinnata	1	0	0		
POSE	0314	1420	Pista wui	1		0		
POSE	0310	1610	Prionospio (Minuspio) lighti	1	0	0		1
POSE	0310	1605	Prionospio (Prionospio) jubata	1	0	0		
POSE	0310	1605	Prionospio (Prionospio) jubata	1	0	0		
POSE	0266	1660	Rhodine bitorquata	4	0	0		
POSE	0266	1660	Rhodine bitorquata	2	0	0		
POSE	0310	1820	Spiophanes berkeleyorum	2	0	0		
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		
POSE	0318	1990	Trochochaeta multisetosa	1	0	0		
CNHY	0088	0160	Perigonimus repens	1	0	0	1	2
CRAM	0762	0140	Ampelisca unsocalae	0		0		2
CRAM	0832	0340	Deflexilodes similis	1		0		2
CRAM	0844	0600	Heterophoxus affinis	2		0		2
	1	1			<u>'</u>	Ŭ		

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		
CRAM	0862	1565	Syrrhoe longifrons	1	0	0		2
CRCU	0704	0100	Eudorella pacifica	1	0	0		2
CRIS	0736	0020	Gnathia sp.	1	0	0		2
CROS	0682	0110	Scleroconcha trituberculata	2	0	0	2	2
CRTA	0712	0040	Leptognathia gracilis	2	1	0		2
ECHO	1092	0015	Chirodota albatrossii	1	2	0		2
ECHO	1096	0125	Molpadia intermedia	1	0	0		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		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
MOBI	0356	0200	Cyclocardia ventricosa	0	2	1	3	2
MOBI	0414	0220	Ennucula tenuis	0	1	0		2
MOBI	0384	0384	Lasaeidae indet.	0	1	0	1	2
MOBI	0456	0530	Macoma carlottensis	5	3	0		2
MOBI	0456	0540	Macoma elimata	3	1	0		2
MOBI	0456	0570	Macoma sp.	0	0	1		2
MOBI	0456	0570	Macoma sp.	0	0	1		2
MOBI	0478	0590	Megayoldia sp.	0	0	1		2
MOBI	0412	0700	Nuculana hamata	1	2	0		2
MOBI	0472	0747	Nutricola tantilla	9	10	0	19	
MOBI	0462	0990	Thyasira flexuosa	1	2	0		2
MOBI	0478	1020	Yoldia seminuda	1	1	0		2
MOGA	0528	0020	Acteocina culcitella	1	0	0		2
MOGA	0610	0041	Alvania compacta	2	1	0		2
MOGA	0610	0041	Alvania compacta	31	0	0	31	
MOGA	0528	0245	Cylichna alba	0	1	0		2
MOGA	0528	0250	Cylichna attonsa	0	1	0		2
MOGA	0518	0672	Oenopota turricula	0	1	0		2
MOSC	0647	0063	Pulsellum salishorum	5		0		2
NTEA	0148	0170	Cerebratulus californiensis		- O	ŭ		
NTEA	0000	0011	Enopla sp. A (SCAMIT)	0		0		2
NTEA POER	0156 0214	0210 0295	Tubulanus polymorphus Eteone californica	0	0	0		2
POER	0214	0295	Exogone lourei	1 1	0	0		2
POER	0180	0500	Glycera nana	2	1	0		2
POER	0180	0500	Glycera nana	1	0	0		2
POER	0182	0500	Glycinde armigera	4	0	0		2
POER	0182	0530	Glycinde armigera Glycinde armigera	1	0	0		2
POER	0182	0615	Lumbrineris cruzensis	43	4	0		
POER	0198	0615	Lumbrineris cruzensis	1	0	0		2
POER	0220	0679	Malmgreniella nr. berkeleyorum	1	0	0		2
POER	0202	0710	Nephtys cornuta	1 1	0	0		2
POER	0202	0710	Nephtys punctata	1	2	0		2
POER	0208	0830	Onuphis iridescens	11	0	0		
POER	0208	0831	Onuphis nr. iridescens	0	3	0		2
POER	0208	0831	Onuphis nr. iridescens	1	0	0		2
POER	0186	1025	Podarkeopsis perkinsi	+ 1	0	0		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		2
POER	0228	1225	Typosyllis heterochaeta	1	0	0		2
POSE	0242	0074	Amphicteis scaphobranchiata	1	0	0		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		2
POSE	0248	0383	Barantolla nr. americana	1	1	0		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		2
POSE	0310	0697	Dipolydora cardalia	6		0		2
POSE	0310	1470	Dipolydora caulleryi	1	0	0		2
POSE	0266	0713	Euclymene nr. zonalis	2	0	0	2	2
POSE	0274	0720	Galathowenia oculata	17	4	0	21	
POSE	0274	0720	Galathowenia oculata	5	0	0		2
POSE	0248	0750	Heteromastus filobranchus	8	0	0		2
POSE	0276	0850	Levinsenia gracilis	8	0	0		2
POSE	0276	0850	Levinsenia gracilis	1	0	0		2
POSE	0266	0920	Maldane sarsi	419	0	0		
POSE	0266	0920	Maldane sarsi	7	1	0		2
POSE	0248	0945	Mediomastus ambiseta	19	0	0	19	
POSE	0242	0989	Melinna heterodonta	2	0	0		2
POSE	0242	0989	Melinna heterodonta	1	0	0		2
POSE	0266	0987	Microclymene nr. caudata	14	0	0	14	
POSE	0270	1140	Ophelina acuminata	1	0	0		2
POSE	0270	1145	Ophelina breviata	0	1	0		2
POSE	0310	1220	Paraprionospio pinnata	1	0	0		2
POSE	0314	1420	Pista wui	1	0	0		2
POSE	0266	1540	Praxillella gracilis	1	0	0		2
POSE	0310	1610	Prionospio (Minuspio) lighti	1 7	0	0		2
POSE POSE	0310	1605	Prionospio (Prionospio) jubata	7	0	0		2
POSE	0310 0266	1605 1660	Prionospio (Prionospio) jubata	21	0	0		
POSE	0266	1660	Rhodine bitorquata Rhodine bitorquata	1				2
POSE	0200	1740	Scoloplos acmeceps	1	0			2
POSE	0310	1820	Spiophanes berkeleyorum	2	0			2
POSE	0310	1860	Sternaspis nr. fossor	4	0	0		2
POSE	0312	1900	Terebellides californica	1	0	0		2
POSE	0316	1910	Terebellides reishi	1	0	0		2
POSE	0316	1924	Imamura)	2	2	1		2
POSE	0316	1924	Imamura)	4	0	0		2
POSE	0270	1980	Travisia pupa	1	0	0		2
POSE	0316	2000	Trichobranchus glacialis	1	0	0		2
POSE	0316	2000	Trichobranchus glacialis	1	0	0		2
POSE	0318	1990	Trochochaeta multisetosa	2	0	0		2
CNHY	0090	0020	Campanularia sp.	4	0	0		3
CRAM	0812	0470	Ericthonius rubricornis	1	0	0		3
CRAM	0844	0600	Heterophoxus affinis	2	2	0		3
CRAM	0844	0600	Heterophoxus affinis	7	0	0		3
CRAM	0832	1108	Monoculodes perditus	2	0			3
CRAM	0844	1234	Paraphoxus gracilis	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		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		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		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	
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		1	3
MOSC	0647	0063	Pulsellum salishorum	4	0			3
NTEA	0148	0170	Cerebratulus californiensis	1	0			3
NTEA	0156	0210	Tubulanus polymorphus	0	0			3
POER	0206	0095	Drilonereis longa	1	0			3
POER	0198	0285	Errano sp.	0	1	0		3
POER	0214	0320	Eteone spilotus	1	0			3
POER	0228	0450	Exogone lourei	4	0			3
POER	0180	0500	Glycera nana	4	0			3
POER	0182	0530	Glycinde armigera	1	0			3
POER	0220	0591	Hesperonoe laevis	2	0	0		3
POER	0198	0615	Lumbrineris cruzensis	10	1	0		
POER	0198	0615	Lumbrineris cruzensis	7	0			3
POER	0220	0679	Malmgreniella nr. berkeleyorum	1	0			3
POER	0220	0675	Malmgreniella scriptoria	2	0	0		3
POER	0202	0710	Nephtys cornuta	2	0			3
POER	0202	0720	Nephtys ferruginea	1	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		3
POER	0208	0831	Onuphis nr. iridescens	3	1	0		3
POER	0186	1025	Podarkeopsis perkinsi	1	0	0		3
POER	0198	1040	Scoletoma luti	17	4	2	23	
POER	0198	1040	Scoletoma luti	5	7	1	13	
POSE	0242	0020	Amage anops	0	1	0		3
POSE	0252	0120	Aphelochaeta spp.	1	0	0		3
POSE	0248	0383	Barantolla nr. americana	1	0	0		3
POSE	0260	0420	Brada sachalina	1	0	0		3
POSE	0252	0495	Chaetozone commonalis	1	0	0		3
POSE	0310	0697	Dipolydora cardalia	5	0	0		3
POSE	0274	0720	Galathowenia oculata	14	5	0	19	
POSE	0274	0720	Galathowenia oculata	17	3	0	20	
POSE	0248	0750	Heteromastus filobranchus	5	0	0		3
POSE	0314	0776	Lanassa gracilis	1	1	0		3
POSE	0310	0805	Laonice spp.	1	0	0		3
POSE	0276	0850	Levinsenia gracilis	1	0	0		3
POSE	0276	0850	Levinsenia gracilis	1	0	0		3
POSE	0266	0920	Maldane sarsi	92	0	0	92	
POSE	0266	0920	Maldane sarsi	30	0	0	30	
POSE	0248	0945	Mediomastus ambiseta	2	0	0		3
POSE	0248	0945	Mediomastus ambiseta	1	0	0		3
POSE	0242	0989	Melinna heterodonta	1	0	0		3
POSE	0266	0987	Microclymene nr. caudata	1	0	0		3
POSE	0266	0987	Microclymene nr. caudata	15	7	0	22	
POSE	0250	1345	Phyllochaetopterus spp.	0	1	0		3
POSE	0314	1440	Polycirrus californicus	0	1	0		3
POSE	0266	1540	Praxillella gracilis	1	0	0		3
POSE	0310	1610	Prionospio (Minuspio) lighti	0	1	0		3
POSE	0310	1605	Prionospio (Prionospio) jubata	4	0	0		3
POSE	0310	1605	Prionospio (Prionospio) jubata	6	0	0		3
POSE	0310	1630	Prionospio spp.	1	0	0		3
POSE	0266	1660	Rhodine bitorquata	4	0	0		3
POSE	0266	1660	Rhodine bitorquata	2	0	0		3
POSE	0312	1860	Sternaspis nr. fossor	1	0	0		
POSE POSE	0312 0316	1860	Sternaspis nr. fossor Terebellides californica	3	0	0		3
POSE	0316	1900 1910		1	0	0		3
			Terebellides reishi		1	0		3
POSE POSE	0316 0316	1924 1924	Imamura)	2	0	0		3
POSE	0270	1924	Imamura) Travisia pupa	1	0	0		3
POSE	0318	1990	Trochochaeta multisetosa	1	0	0	1	3
GVRD-5	1						•	
CRAM	0844	0600	Heterophoxus affinis	0	2	0	2	1
ECEC	1082	0046	Brisaster acutifrons	4	3	1		1
ECHO	1092	0015	Chirodota albatrossii	5	0	0		1
ECHO	1096	0125	Molpadia intermedia	3	0	1		1
ECOP	1058	0051	Amphioplus pugetana	1	1	0		1
EURA	0323	0010	Arhynchite pugettensis	1	0	0		1
	0338	0030	Chaetoderma argenteum	1	1	0		1
MOAP								
MOAP MOAP	0338	0050	Falcidens longus	0	1	0		1

Table 13: Continued.

Group Code	Family Code	Species Code	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate No.
GVRD 5		3 3 3 3 3						
MOBI	0462	0060	Axinopsida serricata	0	1	0	1	1
MOBI	0478	0590	Megayoldia spp.	0				1
MOSC	0646	0050	Polyschides tolmiei	2	0	0		1
MOSC	0647	0063	Pulsellum salishorum	1	0	0		1
NTEA	0148	0170	Cerebratulus californiensis	0	1	0		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
POSE	0274	0720	Galathowenia oculata	8	1	0	9	1
POSE	0248	0750	Heteromastus filobranchus	1	0	0		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		1
POSE	0312	1860	Sternaspis nr. fossor	1	1	0	2	1
SIPN	0330	0800	Nephasoma diaphanes	0	1	0	1	1
SIPN	0330	0020	Thysanocardia nigra	0	1	0		1
CHPY	0668	0026	Anoplodactylus viridintestinalis	1	0	0		2
CRAM	0844	0590	Harpiniopsis fulgens	1	0	0		2
CRAM	0844	0600	Heterophoxus affinis	2	1	0		2
ECEC	1082	0046	Brisaster acutifrons	0	2	0		2
ECHO	1092	0015	Chirodota albatrossii	2	1	0		2
ECHO	1096	0125	Molpadia intermedia	1	1	0		2
ECOP	1074	0058	Ophiura leptoctenia	2	0	0		2
MOAP	0340	0060	Limifossor sp.	2	0	0		2
MOBI	0462	0060	Axinopsida serricata	0	1	0		2
MOBI	0478	0590	Megayoldia spp.	0	0	2		2
MOBI	0478	0595	Megayoldia thraciaeformis	1	0	0		2
MOSC	0646	0050	Polyschides tolmiei	1	3			2
MOSC	0647	0063	Pulsellum salishorum	1	0			2
MOSC	0648	0080	Rhabdus rectius	1	1	0		2
NTEA	0154	0260	Tetrastemma sp.	0		0		2
POER	0216	0866	Ancistrosyllis groenlandica	2	0	0		2
POER	0228	0450	Exogone lourei	2	0			2
POER	0220	0480	Gattyana treadwelli	1 1	0	0		2
POER	0180	0500	Glycera nana	1 1	0	0		2
POER	0198	0615	Lumbrineris cruzensis	1	0			2
POER	0224	0895	Pholoe sp. N-1 (Ruff)	2	0	0		2
POER	0198	1040	Scoletoma luti	0	1	0		2
POSE	0314	0078	Amphitritinae indet.	0		2		2
POSE	0242	0080	Anobothrus gracilis	1 1	0			2
POSE	0252	0122	Aphelochaeta sp. 2	1 1	0			2
POSE POSE	0276	0180	Aricidea lopezi	1 0	0			2
	0310	0702	Dipolydora 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		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		2
POSE	0310	1835	Spiophanes fimbriata	3	0	0	3	2
POSE	0312	1860	Sternaspis nr. fossor	1	0	0		2
SIPN	0330	0080	Nephasoma diaphanes	4	1	0	5	2
CRAM	0844	0600	Heterophoxus affinis	0	1	0		3
CRCU	0700	0075	Diastylis umatillensis	1	0	0	1	3
CRIS	0748	0145	Baeonectes improvisus	1	0	0		3
ECEC	1082	0046	Brisaster acutifrons	3	3	0		3
ECHO	1092	0015	Chirodota albatrossii	4	1	0		3
ECHO	1096	0125	Molpadia intermedia	1	1	2		3
ECOP	1074	0058	Ophiura leptoctenia	0	1	0		3
EURA	0323	0010	Arhynchite pugettensis	0	1	0		3
EURA	0322	0030	Nellobia eusoma	1	0	0		3
MOAP	0340	0061	Limifossor cf. fratula	1	0	0		3
MOBI	0478	0595	Megayoldia thraciaeformis	1	1	0		3
MOBI	0384	0675	Neaeromya rugifera	0	1	1		3
MOGA	0528	0250	Cylichna attonsa	2	0	0		3
MOSC	0646	0050	Polyschides tolmiei	1	0	0		3
POER	0216	0866	Ancistrosyllis groenlandica	11	0	0	11	_
POER	0182	0530	Glycinde armigera	0	1	0		3
POER	0198	0615	Lumbrineris cruzensis	1	0	0		3
POER	0220	0675	Malmgreniella scriptoria	2	0	0		3
POER	0202	0725	Nephtys punctata	2	0	0		3
POER	0202	0830	Onuphis iridescens	2	0			3
POER	0186	1025	Podarkeopsis perkinsi	1	0	0		3
POER	0198	1023	Scoletoma luti	2	0	0		3
POSE	0276	0185	Aricidea simplex	0	1	0		3
POSE	0260	0420	Brada sachalina	0	1	0		3
POSE	0252	0510	Chaetozone spp.	0	1	0		3
POSE	0232	0720	Galathowenia oculata	9	1	0	10	
	0266					_		
POSE	0242	0920 0990	Maldane sarsi Melinna elisabethae	3	0 1	0		3
POSE POSE	0242	0990	Microclymene nr. caudata	0	4	0		3
POSE	0310	1610	Prionospio (Minuspio) lighti	1	0			3
POSE	0310	1835	Spiophanes fimbriata	3	1	0		3
POSE	0310	1860	Sternaspis nr. fossor	0	1	1		3
POSE	0270	1980	Travisia pupa	1	0		1	3
SIPN	0330	0080	Nephasoma diaphanes	3			3	3
311 IV	0000	0000	Nephasoma diaphanes		0	0		<u> </u>
GVRD-6								
CRAM	0844	0590	Harpiniopsis fulgens	1	0			1
CRAM	0844	0600	Heterophoxus affinis	6	7	0		
CRAM	0826	1155	Orchomene cf. pinguis	1	0			1
CRCU	0700	0060	Diastylis pellucida	1	0			1
CRCU	0704	0125	Eudorellopsis integra	177	0		177	1
CRDE	0898	0266	Lebbeus sp.	0	0			1
CRDE	0892	0135	Munida quadrispina	0	0	2	2	1

Table 13: Continued.

Group	Family	Species	Genus/Species List	Adult	Intermediate	Juvenile	Totals	Replicate
Code GVRD 6	Code	Code						No.
		Table	T=		.1	-		
CRDE	0932	0240	Pinnixa sp.	0	1	2	3	
CRIS	0750	0141	Pleurogonium sp.	1	0	0	1	
CROS	0674 0682	0020	Bathyleberis sp.	9	0	0	9	
CROS ECOP	1058	0060 0030	Euphilomedes producta	61	0	1	61 1	1
ECOP	1058	0030	Amphiodia sp. Amphiodia urtica	0	1	0	1	1
ECOP	1074	0040	Ophiura leptoctenia	2	0	0	2	ı
ECOP	0000	00001	Ophiuroidea indet.	0	0	1	1	1
EURA	0322	0030	Nellobia eusoma	1	0	0		1
MOAP	0338	0030	Chaetoderma argenteum	0	4	0	4	•
MOAP	0338	0050	Falcidens longus	0	1	0	1	
MOBI	0462	0060	Axinopsida serricata	0	5	0	5	
MOBI	0456	0520	Macoma calcarea	1	0	0	1	
MOBI	0456	0530	Macoma carlottensis	112	21	30	163	-
MOBI	0456	0570	Macoma spp.	0	0	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	
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	
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	-
POER	0198	0780	Ninoe gemmea	2	0	0	2	1
POER	0224	0890	Pholoe minuta	4	1	0	5	
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	
POSE	0242	0042	Ampharete nr. acutifrons	4	0	0	4	
POSE	0252	0120	Aphelochaeta spp.	0	2	0	2	
POSE	0260	0430	Brada spp.	0	ŭ	1	1	
POSE	0252	0510	Chaetozone spp.	0	0	1	1	
POSE	0254	0646	Cossura bansei	2	0	0	2	
POSE	0254	0660	Cossura pygodactylata	0	1	0	1	
POSE	0248	0683	Decamastus nr. gracilis	0	1	0	1	
POSE	0266	0710	Euclymeninae indet.	27	0	0	1	
POSE	0274	0720	Galathowenia oculata	37	4 0	0	41	
POSE	0248	0750	Heteromastus filobranchus	0		2	<u>2</u> 1	
POSE POSE	0310 0276	0800 0850	Laonice cirrata Levinsenia gracilis	2	0	0	2	
POSE	0276	0850	Mediomastus ambiseta	8	0	0	8	
POSE	0248	0945	Mediomastus californiensis	6	1	0	7	
POSE	0246	1240	Pectinaria californiensis	4	0	4	8	
POSE	0280	1610	Prionospio (Minuspio) lighti	34	4	0	38	
POSE	0310	1860		2	4	1		
POSE	0270	1980	Sternaspis nr. fossor Travisia pupa	1	0	0	1	
CNHY	0270	0160	Perigonimus repens	1	0	0	1	
CINITI	0762	0090	Ampelisca hancocki	'	0	0		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		
CRCU	0704	0175	Leucon magnadentata	1	0	0	1	2
CRDE	0892	0135	Munida quadrispina	0	0	1		2
CROS	0674	0020	Bathyleberis sp.	8	0	0		2
CROS	0682	0060	Euphilomedes producta	31	0	0		
ECHO	1096	0125	Molpadia intermedia	1	0	0		2
ECOP	1074	0058	Ophiura leptoctenia	1	0	0		2
MOAP	0338	0030	Chaetoderma argenteum	0	4	0		2
MOBI	0462	0060	Axinopsida serricata	0	1	0	1	2
MOBI	0456	0530	Macoma carlottensis	65	15	16	96	
MOBI	0456	0540	Macoma elimata	1	0	1		2
MOBI	0478	0590	Megayoldia spp.	0	0	2		2
MOBI	0478	0595	Megayoldia thraciaeformis	1	2	1		2
MOBI	0478	1020	Yoldia seminuda	5	0	0		2
MOGA	0584	0375	Cryptonatica affinis	0	3	0		2
MOGA	0528	0250	Cylichna attonsa	3	11	0		
MOGA	0558	0285	Haminoea virescens	1	0	0		2
MOGA	0606	0680	Odostomia sp.	2	0	0		2
MOSC	0646	0050	Polyschides tolmiei	7	0	0		2
NTEA	0154	0260	Tetrastemma sp.	0	1	0		_
NTEA	0156	0210	Tubulanus polymorphus	2	1	0		2
POER	0180	0500	Glycera nana	10	0	0		
POER	0182	0530	Glycinde armigera	0	1	0		2
POER	0198	0780	Ninoe gemmea	1	0	0		2
POER	0224	0895	Pholoe sp. N-1 (Ruff)	6	0	0		2
POER	0198	1040	Scoletoma luti	6	1	0		2
POSE	0242	0042	Ampharete nr. acutifrons	11	0	0	11	
POSE	0252	0120	Aphelochaeta spp.	0	1	0		2
POSE	0248	0383	Barantolla nr. americana	1	0	0		2
POSE	0254	0646	Cossura bansei	1	0	0		2
POSE	0310	0702	Dipolydora spp.	0	1	0		2
POSE	0274	0720	Galathowenia oculata	30	0	0		
POSE	0248	0750	Heteromastus filobranchus	3	0	0		2
POSE	0276	0850	Levinsenia gracilis	4	0 1	0		2
POSE	0248	0945	Mediomastus ambiseta	5	-			2
POSE	0248	0948	Mediomastus californiensis	9	0	0		
POSE	0310	1610	Prionospio (Minuspio) lighti	5	0	0		2
POSE POSE	0310	1605 1860	Prionospio (Prionospio) jubata	1	0 1	0 1		2
CRAM	0312 0792	0585	Sternaspis nr. fossor	2	0	0		3
CRAM	0792	0585	Guernea reduncans Harpiniopsis fulgens	1	0	0		3
CRAM	0844		Heterophoxus affinis		5	0		3
	0844	0600 1515		1	0	0		3
CRAM CRCU	0700	0060	Rhepoxynius barnardi	1	0	0		3
CRCU	0700	0125	Diastylis pellucida	199	4	0		
	0704	0125	Eudorellopsis integra Leucon magnadentata			0		3
CRCU	0704	0175	<u> </u>	0	0	_		3
CRDE	_		Pinnixa occidentalis complex	1		0		3
CROS	0674	0020	Bathyleberis sp.		0	0		
CROS ECEC	0682 1082	0060	Euphilomedes producta	28		0		3
ECEC ECHO	1082	0046 0125	Brisaster acutifrons Molpadia intermedia	2	0	0	2	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		3
MOAP	0338	0030	Chaetoderma argenteum	1	2	1	4	3
MOAP	0338	0050	Falcidens longus	1	0	0	1	
MOBI	0462	0040	Adontorhina cyclia	1	0	0	1	3
MOBI	0456	0530	Macoma carlottensis	57	7	11	75	
MOBI	0456	0540	Macoma elimata	0	1	0		3
MOBI	0478	0595	Megayoldia thraciaeformis	2	2	1		3
MOBI	0384	0675	Neaeromya rugifera	0	1	3		3
MOBI	0478	1020	Yoldia seminuda	3	1	0		3
MOGA	0584	0375	Cryptonatica affinis	0	2	1		3
MOGA	0528	0250	Cylichna attonsa	12	23	0	35	
MOGA	0606	0680	Odostomia sp.	1	0	0	1	3
MOSC	0647	0063	Pulsellum salishorum	12	0	0	12	
MOSC	0648	0080	Rhabdus rectius	0	1	1		3
PHOR	0950	0049	Phoronis psammophila	0	1	0		3
POER	0216	0866	Ancistrosyllis groenlandica	2	0	0		3
POER	0220	0482	Gattyana spp.	0	1	0		3
POER	0180	0500	Glycera nana	7	0	0		3
POER	0182	0530	Glycinde armigera	3	0	0		3
POER	0220	0675	Malmgreniella scriptoria	2	-	0		3
POER	0202	0710	Nephtys cornuta	1	0	0		3
POER	0198	0780	Ninoe gemmea	2	0	0		3
POER	0208	0830	Onuphis iridescens	1	0	0		3
POER	0172	0875	Parougia caeca	1	0	0		3
POER	0224	0895	Pholoe sp. N-1 (Ruff)	6	0	0		3
POER	0198	1040	Scoletoma luti	7	0	1		3
POSE	0242	0042	Ampharete nr. acutifrons	3	0	1		3
POSE	0276	0180	Aricidea lopezi	1	0	0	1	
POSE	0260	0420	Brada sachalina	2	0	0	_	3
POSE	0254	0646	Cossura bansei	1	0	0	1	
POSE	0234	0683	Decamastus nr. gracilis	0	1	0		3
POSE	0274	0720	Galathowenia oculata	34	1	0	35	
POSE	0274	0720	Heteromastus filobranchus	0	1	0	1	3
POSE	0276	0850		5	0	0		3
POSE	0278	0945	Levinsenia gracilis Mediomastus ambiseta	3	0	0		3
POSE	0248	0945	Mediomastus californiensis	3	0	0		3
POSE	0246	1240		0	_	1		3
POSE	0310	1610	Pectinaria californiensis Prionospio (Minuspio) lighti	4	0			3
POSE	0310	1605	Prionospio (Prionospio) jubata	1	0	0		3
POSE	0310	1860	Sternaspis nr. fossor	6		0		3
GVRD-7	0312	1000	отетназріз тії. 103301		O O	0	0	<u> </u>
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	
CROS	0682	0060	Euphilomedes producta	3	0	0		1
ECHO	1092	0015	Chirodota albatrossii	11	1	0		
ECHO	1096	0125	Molpadia intermedia	0		0		1
EURA	0323	0010	Arhynchite pugettensis	1	1	0		
MOAP	0338	0030	Chaetoderma argenteum	2		0		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	
MOGA	0516	0090	Astyris gausapata	2	0	0	2	1
MOSC	0647	0063	Pulsellum salishorum	4	0	0	4	1
MOSC	0648	0800	Rhabdus rectius	0	0	1	1	
NTEA	0156	0168	Carinomella sp.	0	1	0	1	
NTEA	0148	0170	Cerebratulus californiensis	0	0	2	2	
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	-
POER	0220	0666	Malmgreniella berkeleyorum	1	0	0	1	-
POER	0208	0831	Onuphis nr. iridescens	1	0	0	1	-
POER	0224	0900	Pholoe spp.	1	0	0	1	
POER	0214	0960	Phyllodoce spp.	0	1	0	1	-
POER	0198	1040	Scoletoma luti	16	2	0	18	
POSE	0242	0042	Ampharete nr. acutifrons	8	1	0	9	
POSE	0252	0122	Aphelochaeta sp. 2 (Ruff)	1	0	0	1	
POSE	0252	0495	Chaetozone commonalis	1	1	0	2	
POSE	0254	0646	Cossura bansei	1	0	0	•	1
POSE	0248	0683	Decamastus nr. gracilis	1	0	0	1	1
POSE	0310	0700	Dipolydora socialis	7	6	2	15	
POSE	0274	0720	Galathowenia oculata	32	3	0	35	
POSE	0310	0800	Laonice cirrata	1	0	0	1	1
POSE	0276	0850	Levinsenia gracilis	2	0	0	2	
POSE	0266	0920	Maldane sarsi	1	0	0	•	1
POSE	0248	0945	Mediomastus ambiseta	8	0	0	8	
POSE	0248	0948	Mediomastus californiensis	10	2	0	12	
POSE	0248	0950	Mediomastus spp.	8	0	0	8	
POSE	0266	0987	Microclymene nr. caudata	0	5	1	6	
POSE	0252	0995	Monticellina serratiseta	2	0	0	2	
POSE	0274	1000	Myriochele olgae	1	0	0	1	-
POSE	0266	1050	Nicomache personata	34	0	0	34	
POSE	0274	1163	Owenia nr. johnsoni	2		0	3	
POSE	0280	1240	Pectinaria californiensis	3		0		
POSE POSE	0266	1540	Praxillella gracilis	0	· ·	0	1	
	0310	1610	Prionospio lighti	19	5	0	24	
POSE	0310	1820	Spiophanes berkeleyorum	1	1 0	0	2	
POSE	0312	1860	Sternaspis nr. fossor	1 1		1	2	
POSE	0318	1990	Trochochaeta multisetosa	1	0	0		
BRYO	1012	0270	Triticella pedicellata	1	0	0	1	
CNHY	0088 0844	0160	Perigonimus repens	2	0	0	2	2
CRAM	0700	0600	Heterophoxus affinis Diastylis pellucida	1	0 2	0		
CRCU CRCU	0700	0060 0125	Eudorellopsis integra	0	0	0	1	
CRDE	0704		Pinnixa occidentalis	0	0	0	1	
		0230		0		1		2
CROS	0674	0020	Bathyleberis sp.	1 40	0	0		
CROS CROS	0682 0682	0060 0110	Euphilomedes producta	18	0	0	18	2
ECEC	1082		Scleroconcha trituberculata Brisaster latifrons	1 1	1	0	2	
ECEC ECHO	1082	0050	Chirodota albatrossii	1 14	2			
ECHO ECHO	11092	0015 0100	Leptosynapta transgressor	14	6	0		

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		0		2
ECOP	1074	0058	Ophiura leptoctenia	0	1	0		2
MOAP	0338	0030	Chaetoderma argenteum	2	0	0		2
MOBI	0462	0060	Axinopsida serricata	0	3	0		2
MOBI	0456	0530	Macoma carlottensis	1	12	15		
MOBI	0456	0540	Macoma elimata	1	0	0		2
MOBI	0456	0542	Macoma golkovi	1	0	0		2
MOBI	0384	0675	Neaeromya rugifera	0	3	0	3	2
MOBI	0384	0860	Rochefortia tumida	1	0	0		2
MOBI	0450	0900	Solemya reidi	0	1	0	1	2
MOBI	0478	1020	Yoldia seminuda	3	0	0		2
MOGA	0518	0672	Oenopota turricula	1	0	0		2
MOSC	0647	0063	Pulsellum salishorum	2	0	0		2
MOSC	0648	0080	Rhabdus rectius	0	0	1		2
NTEA	0148	0170	Cerebratulus californiensis	0		0		2
POER	0198	0870	Cenogenus simpla	1	0	0		2
POER	0214	0365	Eumida spp.	1	0	0		2
POER	0180	0500	Glycera nana	1	1	0		2
POER	0182	0530	Glycinde armigera	2	1	0		2
POER	0198	0615	Lumbrineris cruzensis	2	0	0		2
POER	0220	0666	Malmgreniella berkeleyorum	3	0	0		2
POER	0202	0710	Nephtys cornuta	1	0	0		2
POER	0208	0830	Onuphis iridescens	2	0	0		2
POER	0208	0831	Onuphis nr. iridescens	3	0	0		2
POER	0208	0840	Onuphis sp.	0	0	1		2
POER	0224	0895	Pholoe sp. N-1	2	0	0		2
POER	0186	1025	Podarkeopsis perkinsi	0	1	0		2
POER	0198	1040	Scoletoma luti	22	0	0		
POSE	0242	0042	Ampharete nr. acutifrons	8	3	0		
POSE	0252	0120	Aphelochaeta spp.	2	0	0		2
POSE	0252	0495	Chaetozone commonalis	2	0	0		2
POSE	0310	0700	Dipolydora socialis	1	16	0		
POSE	0266	0713	Euclymene nr. zonalis	0	1	0		
POSE	0266	0710	Euclymeninae indet.	0	1	0		2
POSE	0274	0720	Galathowenia oculata	10	1	0		
POSE	0276	0850	Levinsenia gracilis	1	0	0		2
POSE	0266	0920	Maldane sarsi	2	0	0		2
POSE	0248	0945	Mediomastus ambiseta	1	0	0		2
POSE	0248	0950	Mediomastus spp.	2	0	0		2
POSE	0266	0987	Microclymene nr. caudata	0		1		2
POSE	0270	1144	Ophelina spp.	0		0		2
POSE	0280	1240	Pectinaria californiensis	3		0		2
POSE	0310	1610	Prionospio lighti	1	0	0		2
POSE	0310	1820	Spiophanes berkeleyorum	2	2	0		2
POSE	0310	1860	Sternaspis nr. fossor	1	0	2		2
POSE	0312	1905	Terebellides kobei	1	0	0		2
BRYO	1012	0270	Triticella pedicellata	1	0	0		3
CNHY	0088	0160	Perigonimus repens	3	0	0		3
CRAM	0762	0140	Ampelisca unsocalae	0		0		3
CRAM	0762	0600	Heterophoxus affinis	2	0	0		3
CRCU	0704	0125	Eudorellopsis integra	1	0	0		3
CRDE	0932	0230	Pinnixa occidentalis	0	1	0		3
CROS	0682	0060	Euphilomedes producta	7	1	0		3
CRUS	0712	0040	Leptognathia gracilis	1	0	0		3
ONTA	0/12	0040	Leptogriatina gracins	1	U	U	1	ای

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		
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	
MOBI	0462	0060	Axinopsida serricata	0	2	0	2	
MOBI	0462	0165	Conchocele bisecta	0	2	1	3	
MOBI	0456	0530	Macoma carlottensis	2	22	9	33	
MOBI	0456	0540	Macoma elimata	1	1	0	2	3
MOBI	0478	0585	Megayoldia martyria	0	0	3	3	
MOBI	0384	0675	Neaeromya rugifera		5	0	5	3
MOBI	0392	0800	Parvilucina tenuisculpta	1	0	0	1	-
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		
MOSC	0647	0063	Pulsellum salishorum	3	0	0	-	
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	
POER	0198	0615	Lumbrineris cruzensis	2	0	0	2	3
POER	0220	0666	Malmgreniella berkeleyorum	4	0	0	4	
POER	0202	0710	Nephtys cornuta	2	0	0	2	
POER	0198	1040	Scoletoma luti	21	2	0	-	
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	-
POSE	0252	0495	Chaetozone commonalis	1	1	0	2	
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	
POSE	0276	0850	Levinsenia gracilis	2	0	0	2	
POSE	0248	0945	Mediomastus ambiseta	3	0	0	3	
POSE	0248	0948	Mediomastus californiensis	19	0	0	19	
POSE	0248	0950	Mediomastus spp.	8	0	1	9	
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		3
POSE	0314	1440	Polycirrus californicus	0		1		3
POSE	0310	1610	Prionospio lighti	2	1	0		3
POSE	0310	1820	Spiophanes berkeleyorum	3	2	0		3
POSE	0312	1860	Sternaspis nr. fossor	1	0	0		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.

	ĺ		Foraminifera															Thec	amoe	bians				
	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
	0-1 cm				Ť	7			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
ဗ	8-9 cm				2	9			17				28		2	42								44
Ιģ	9-10 cm					3			10				13		2	12								14
GVRD-3	10-12 cm	5			4	5			29				38			8						2		10
9	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	11	11		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