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INORGANIC GEOCHEMICAL DATA FOR
MARINE SEDIMENTS FROM HUDSON BAY AND JAMES BAY:
DELTA OF GRANDE BALEINE RIVER, MANITOUNUK SOUND,
AND DELTA OF LA GRANDE RIVER

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GEOLOGICAL SURVEY OF CANADA
OPEN FILE REPORT (1993)

COMMISSION GEOLOGIQUE DU CANADA
DOSSIER PUBLIC (1993)

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GEOLOGICAL SURVEY
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OTTAWA

ABSTRACT

Geochemical data are compiled for sediment analyses of samples collected in Hudson Bay and James Bay during mid-summer 1992 from the research vessels CSS Hudson (Cruise 92-028) and MV Septentrion (Cruise 92-028S): 3 cores and 10 grab samples from the Manitounuk Sound Area; 2 cores and 1 grab sample from the Grande Baleine delta area; 1 offshore core in Hudson Bay; and 2 cores and 8 grab samples from La Grande River area.

A seismic reflection survey was conducted in Manitounuk Sound and the results are documented in a cross-sectional model.

Sediment analyses included sediment texture, organic carbon, total carbon, and total metals (Si, Al, Mg, K, Li, Fe, Mn, Ca, Cu, Zn, Ni, Pb, Cr and Hg). Chemical leach techniques were used to determine the potential for labile metal partitioning (Fe, Mn, Ca, Cu, Zn, Ni, Pb and Cr) in these sediments and included sequential leach analyses for: (1) weak acid leachable metal, (2) easily reducible metals, (3) moderately reducible metals, and (4) residual metals.

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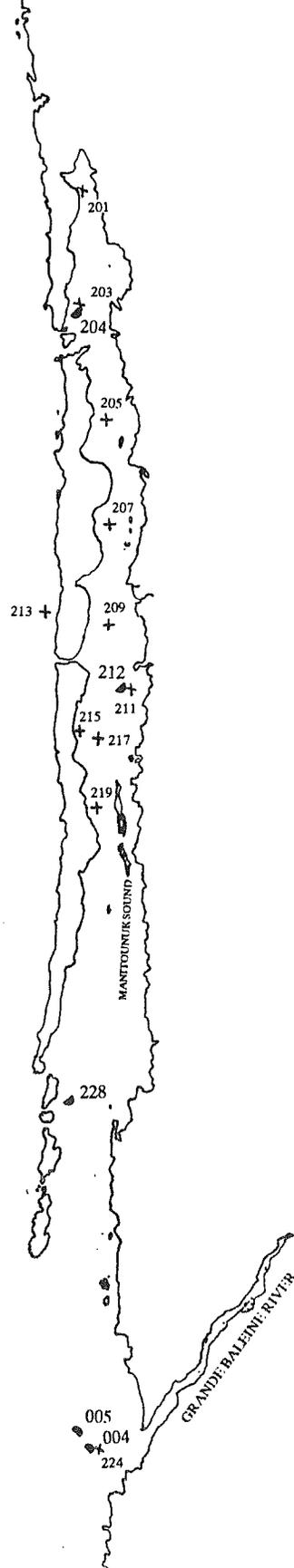
INTRODUCTION

The Department of Natural Resources Canada (the past Department of Energy Mines and Resources) has undertaken a role in the evaluation of the environmental impact of the James Bay II development (Amos et al., 1992). Hydro-Quebec have submitted plans to develop the Grande Baleine, Petite Baleine and Nastapoka Rivers for hydro-electrical power generation: the Grande Baleine or James Bay II project. Waters of the three major rivers would be dammed and redirected, and the discharge time changed from spring to winter. Out flow would subsequently be concentrated in Manitounuk Sound, while the discharge into Grande Baleine estuary would be reduced 95%. It is the role of the Geological Survey of Canada to collect the necessary geoscience data required to evaluate the environmental impact and to provide recommendations on subsequent monitoring. In particular, the Atlantic Geoscience Centre has been given the task to address the marine-related aspects of this work.

The CSS Hudson and MV Septentrion Cruises to Hudson Bay 1992 conducted seismic reflection surveys and collected sediment samples to be analyzed for geochemical constituents. Initial observations and sampling records are available in the cruise report (Amos et al. 1992) and a preliminary regional correlation of the lithostratigraphy is available in Hardy and Zevenhuizen (1993). Results of the seismic surveys are reported in Figures 3 and 4; and the remainder of this report contains results for sediment grain size analyses, carbon content and metal concentrations for Si, Al, Mg, K, Fe, Mn, Ca, Cu, Zn, Ni, Cr, Pb, Li, and Hg.



DUCK ISLANDS



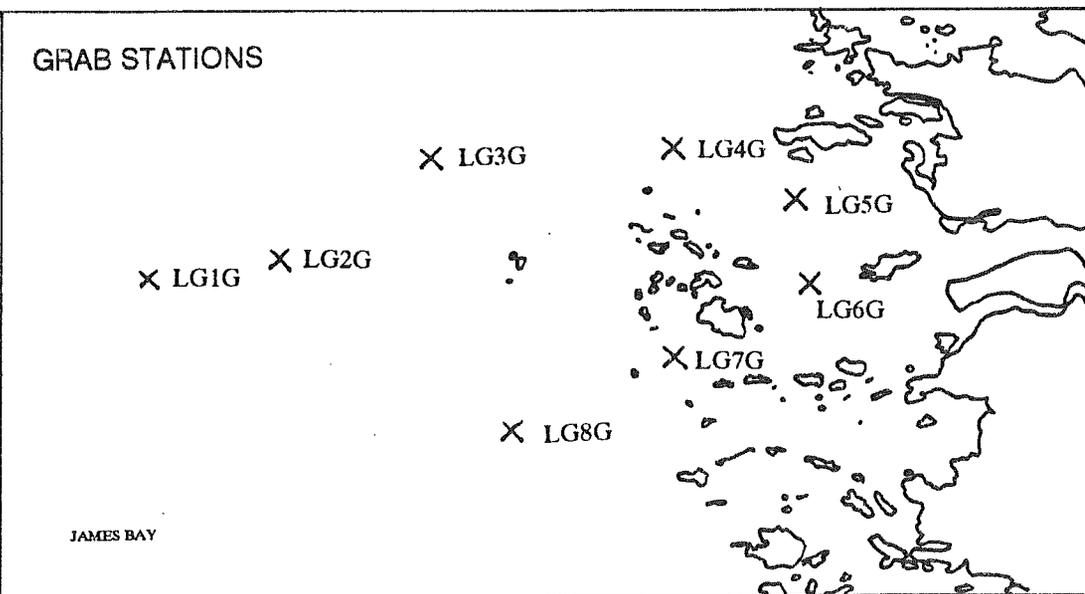
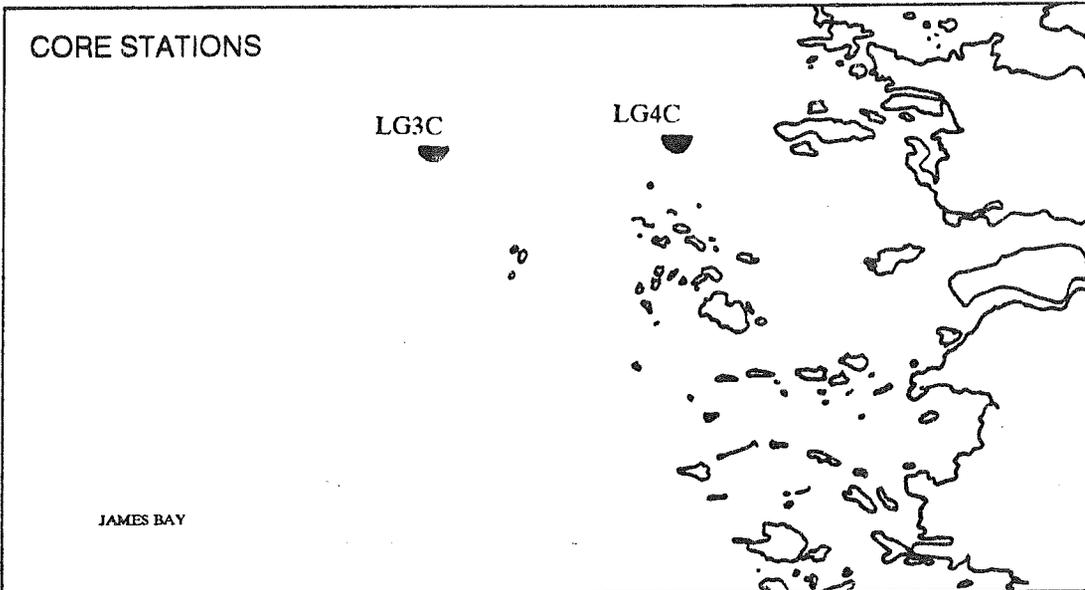
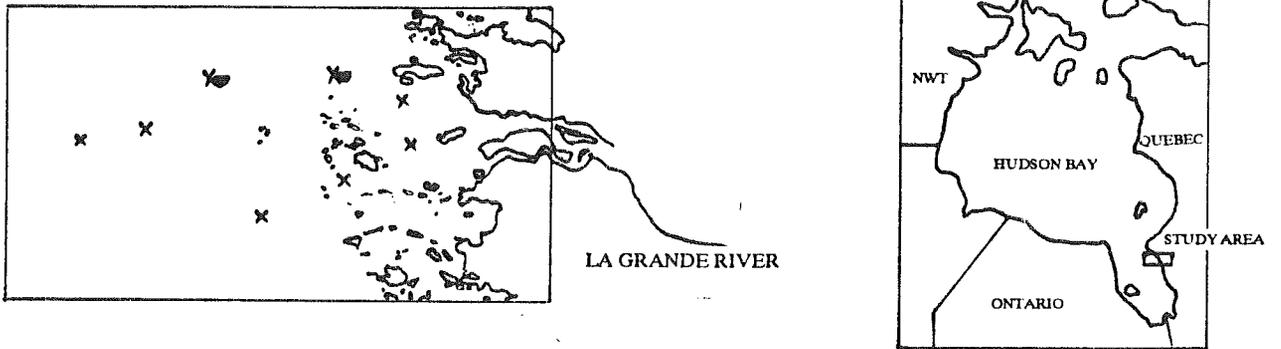
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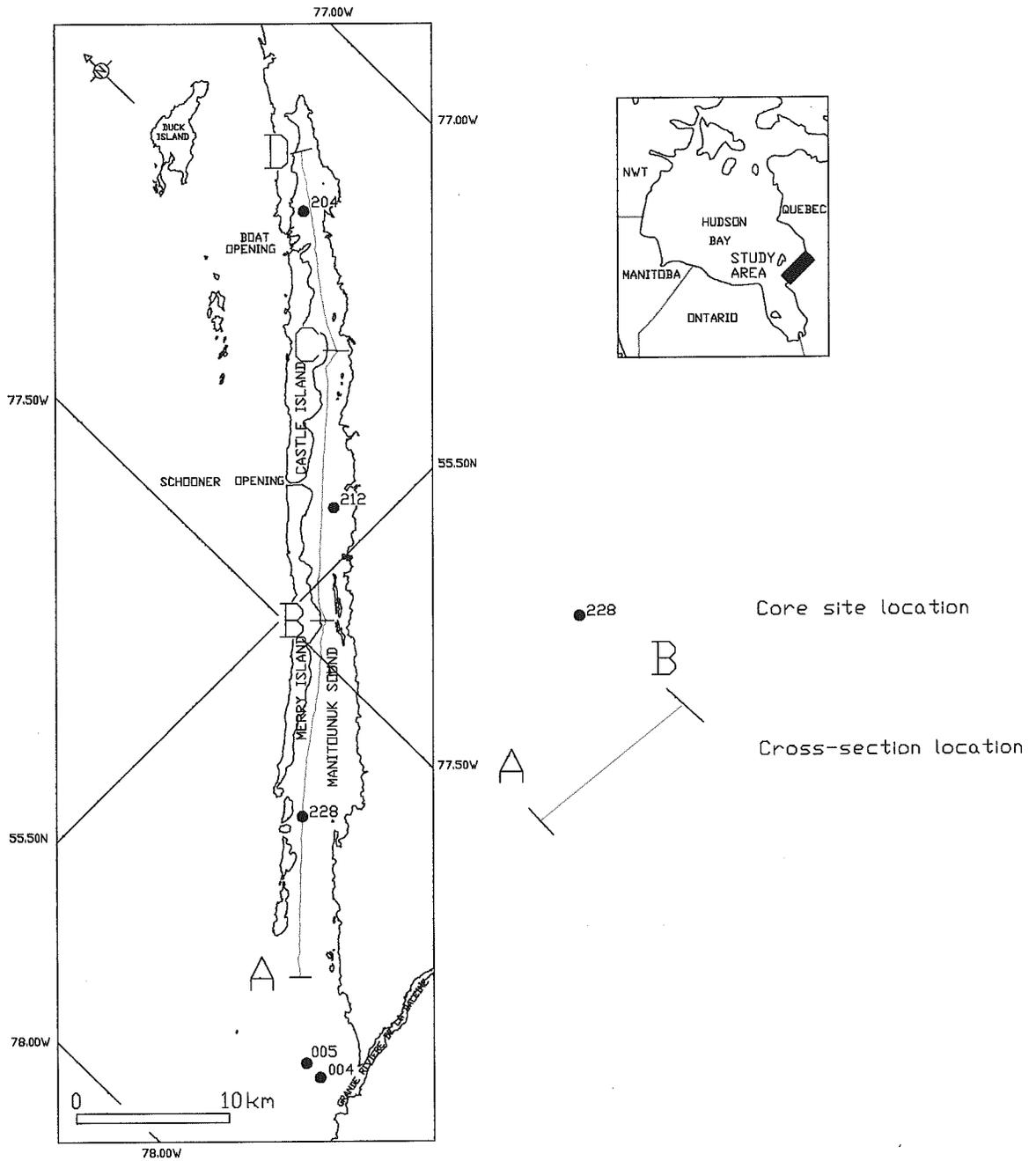
Figure 1

GRANDE BALEINE RIVER AND MANITOUNUK SOUND
SAMPLE LOCATION MAP

- CORE STATIONS
- × GRAB STATIONS

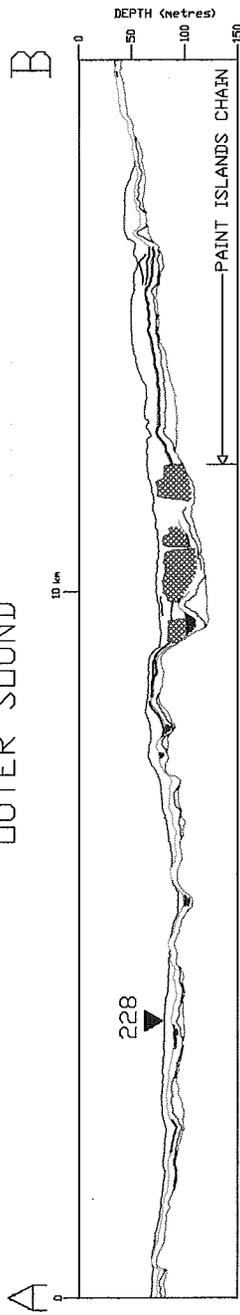
Figure 2 LA GRANDE RIVER SAMPLE LOCATION MAP



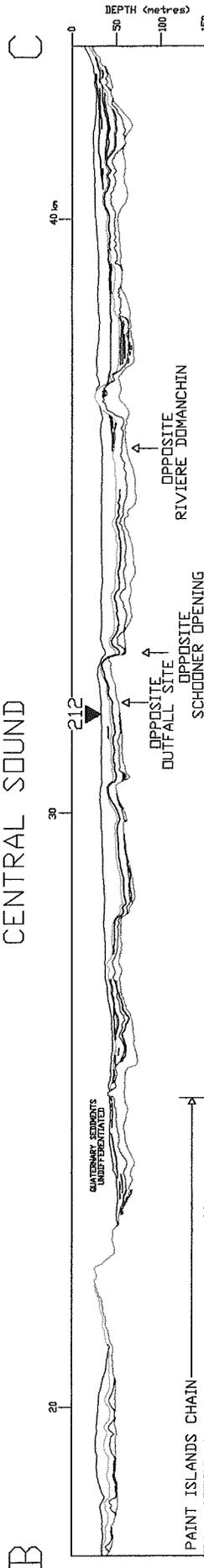


Manitounuk Sound and Grande riviere de la Baleine core and cross-section location map

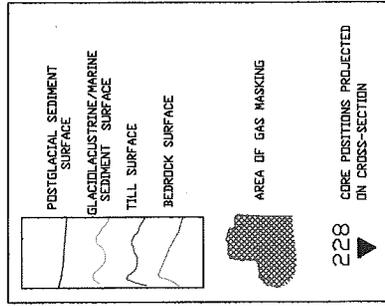
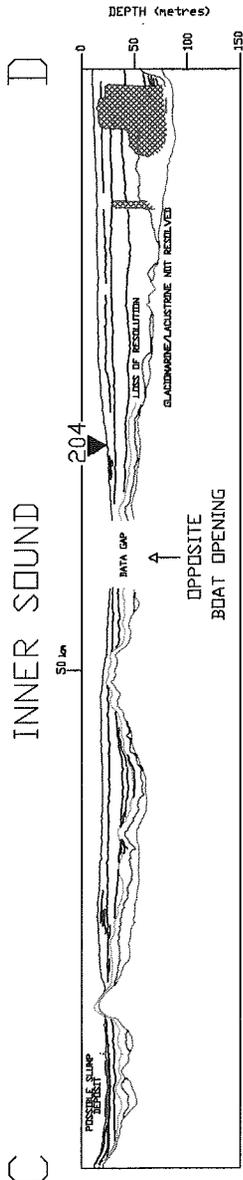
OUTER SOUND



CENTRAL SOUND



INNER SOUND



Manitounek Sound cross-section and projected core site locations collected on RV Septentrion cruise 92-028S

METHODS

Seismic Survey

Detailed descriptions of seismic reflection equipment and methods, and a discussion of the results are available in Zevenhuizen et al. (1992). Seismic survey lines are mapped in Figure 3, and results are displayed in a cross-sectional model (Fig. 4).

Sampling

Sediment sampling has conducted from the MV Septentrion (Cruise 92-028S) from July 27 - August 29, 1992; and from the CSS Hudson (Cruise 92-028) from August 16 - 29, 1992.

Gravity cores 204, 212, and 228; and surface grabs 201, 203, 205, 207, 209, 211, 213, 215, 217 and 219 were collected from the MV Septentrion in the Manitounuk Sound Area (Fig. 1, 3 and 4). Grab 224 was collected in the Grande Baleine delta area. Gravity cores Lg-3 and Lg-4, and surface grabs Lg-1 to Lg-8 were collected from the MV Septentrion in the La Grande River area (Fig. 2).

Benthos boxcore 004 and Lehigh core 005 were collected from the CSS Hudson in the Grande Baleine delta area (Fig. 1 and 3). Lehigh core 104 was collected off shore in Hudson Bay (Fig. 1).

Sediment Analyses

Sediment grain size analyses for sand, silt, and clay grains < 0.080 mm were conducted on wet samples using a Coulter Counter Model TAIIR^R (30 and 200 μ m aperture tubes). The sediment mass > 0.063 mm was classed as sand, sediment < 0.063 mm and > 0.004 mm was classed as silt, and sediment < 0.004 mm was classed as clay. Subsamples for Coulter Counter analyses were disaggregated in a 5 % solution of sodium metaphosphate in an ultrasonic bath. Gravel size particles and sand < 0.080 mm were not included in the analyses. The mean grain size is reported along with the standard deviation, kurtosis, and skewness.

The sediment was freeze dried and lightly disaggregated with an agate mortar and pestle and used for analyses of total carbon, organic carbon, leachable and total metals.

Carbon analyses were carried out using a Leco Combustion Carbon Analyzer on 250 mg of dried and disaggregated sediment. Total carbon (C_T

in % of dry weight) was determined for washed samples. Organic carbon (C_{org} in % of dry weight) was determined by the same method after removal of inorganic carbon by treatment with 1 M HCl. For both types of determinations, a series of Leco Corporation calibration standards were analyzed. These carbon in steel standards ranged from 0.127 to 0.897 percent carbon.

The sequential leach analyses (Fitzgerald et al, 1987) include:

(1) Weak acid leachable metal (Fe_{WA} , Mn_{WA} , Ca_{WA} , Cu_{WA} , Zn_{WA} , Ni_{WA} , Cr_{WA} and Pb_{WA}) in 25 % acetic acid, pH 2 for 16 hr, as described in Chester and Hughes (1967). This weak acid leachable metal is thought to be bound as carbonates or oxyhydroxides.

(2) Hydroxylamine leachable metal (Fe_{HA} , Mn_{HA} , Ca_{HA} , Cu_{HA} , Zn_{HA} , Ni_{HA} , Cr_{HA} and Pb_{HA}) in 1 M $NH_2OH-HCl$ for 16 hr, as described in Chester and Hughes (1967). This easily reducible metal is thought to be bound to Fe-Mn oxides or as oxide coatings on other minerals.

(3) Heated hydroxylamine leachable metal (Fe_{HHA} , Mn_{HHA} , Ca_{HHA} , Cu_{HHA} , Zn_{HHA} , Ni_{HHA} , Cr_{HHA} and Pb_{HHA}) in 0.04 M $NH_2OH-HCl$, pH 2, at 80 °C for 16 hr, as described in Tessier et al (1979). This moderately reducing metal is thought to be strongly bound as mature oxides.

(4) Leach residue metals with concentrations computed relative to the original mass (Fe_R , Mn_R , Ca_R , Cu_R , Zn_R , Ni_R , Cr_R and Pb_R) were determined using the Buckley and Cranston (1971) HF- H_3BO_3 total decomposition method.

The sequential sum (Fe_{SUM} , Mn_{SUM} , Ca_{SUM} , Cu_{SUM} , Zn_{SUM} , Ni_{SUM} , Cr_{SUM} and Pb_{SUM}) was computed as the summation of the sequential leach analyses components (ie, $Fe_{SUM} = Fe_{WA} + Fe_{HA} + Fe_{HHA} + Fe_R$).

Total metal concentration (Si_T , Al_T , Mg_T , K_T , Fe_T , Mn_T , Ca_T , Cu_T , Zn_T , Ni_T , Cr_T , Pb_T , and Li_T) was determined using the Buckley and Cranston (1971) HF- H_3BO_3 total decomposition method.

All leachates and total decomposition samples were analyzed utilizing a Varian PT975 atomic absorption spectrophotometer. All instrumental parameters were as recommend by the manufacturer and appropriate dilutions were carried out for solutions with very high metal concentrations. Large volumes of reagents blanks were prepared for the specific leaches and appropriate blanks were used for sample dilution and for the preparation of standards. This latter precaution helped avoid analytical problems which could be caused by chemical matrix interferences.

Total mercury (Hg_T) was determined using a flameless cold-vapour atomic absorption spectrometry method adapted from Brandenberg and Bader (1967), Bishop et al. (1973) and MacIntosh et al (1976). A detailed description of this method and a discussion of the results is available in Penny (1992).

An indication of the accuracy and precision of these elemental analyses methods are demonstrated by replicate analyses of standard reference materials (Tables 1, 2, and 3).

Method Validation

Data evaluation methods have been re-evaluated for this report. The practice of defining the detection limit as twice the level of the background noise has been replaced by statistical procedures. These statistical procedures evaluate both the analytical methods detection limits, and the comparison of data at the 95% confidence level (Winters, 1993; Becker, 1992; and Dudewicz, 1988). Results are evaluated based on the continuing replicate analyses ($n=4$) of standard reference materials (Table 1). These data are also used to assess the effect of our current practice, of using only an analytical replication of $n=2$, on our methods detection limits, confidence intervals, and level of discrimination between analytical means (comparison of Table 2 and 3, respectively).

Standard reference materials were analyzed to evaluate our analytical methods and laboratory performance. Their use is considered to be one of the best available approaches for decisions on the accuracy of measurement data (Becker et. al. 1992). Two marine sediment standard reference materials with generally low levels for trace metals, were available from the Marine Analytical Chemistry Standards Program of the National Research Council of Canada (1411 Oxford St., Halifax, Nova Scotia, Canada B3H 3Z1): MESS-1 and BCSS-1. An additional marine sediment, BEST-1, is certified for mercury only. The standard reference material SO-1 (Bowman et al., 1979; Bowman et al., 1979; and Terashima, 1988) was used to evaluate the carbon method. Certified concentrations and their 95% confidence intervals are reported in Table 1. Variation in each method was assessed, and then used to calculate the 95% confidence intervals and the method detection limits.

At the beginning of each analytical session standard reference materials were analyzed in replicates of 4. The mean of these replicate analyses is identified as \bar{x} and the standard deviation is s_x . The

analyses of all samples required 6 analytical sessions for each of the metals. All data ($N = 6$ sessions X 4 replicates = 24) were used to estimate the population standard deviation, s , for each method. s includes the inherent error of the method as well as analytical variation between sessions, and will be used to calculate both the confidence intervals and the method detection limits.

The inherent variance of each method, s_i^2 , was computed from the average of the individual variances for all sessions: $s_i^2 = \sum s_x^2 / 6$. s_i is the approximation of the method standard deviation under ideal conditions when session to session variation is eliminated. s_i is used to evaluate the method capability. The comparison of the method confidence interval (computed from s) and the inherent confidence interval (computed from s_i), demonstrates the loss of confidence caused by session to session variations (Table 1).

The Canadian Association for Environmental Analytical Laboratories (1992) defines "Limit of Detection" as the lowest concentration of an analyte that is statistically different (95% confident) from the analytical blank, or the measured concentration at which there is a 95% probability that the analyte is present: **Limit of Detection** = $t_{1-\alpha} s$. The "Detection Limit" is the lowest analyte concentration that can be detected with a 95% probability. This is the concentration level at which there is a 95% probability that the measured value is greater than the "Limit of Detection": **Detection Limit** = $2t_{1-\alpha} s$. α is a 1-sided (1-tailed) significance level and $1-\alpha$ is the confidence level. For s , where $N=24$ (degrees of freedom= $df= n-1$), we are 95% confident that a single result, which is greater than $2(1.73)s$, is greater than the Limit of Detection. However, knowing a detection limit for the determination of a single point does not permit us to state with confidence that one analytical data point is different from another. We can assess only if it is greater than the Limit of Detection. Detection Limits determined by this method (Method A) are reported in Tables 2 and 3. To evaluate whether there is a significant difference between observed data points, we must analyse samples in replicate in order to perform appropriate statistical tests.

A hypothesis test (null hypothesis) is proposed (Becker et al., 1992) to evaluate method bias using standard reference materials. The t-test for bias is made at the 5% significance level ($\alpha=0.05$). We wish to have a 95% chance of detecting an absolute difference, Δ_D , between a

measured mean and a "true" value (β = risk of a false negative, and $1-\beta$ = 0.95 = power of the test) (α is the risk of rejecting the null hypothesis when it should be accepted and β is the risk of accepting the null hypothesis when it should be rejected). It can be shown (Currie, 1988 and 1990) that

$$\Delta_D \approx (t_{1-\alpha/2} + t_{1-\beta})S/\sqrt{n}$$

where $t_{1-\alpha/2}$ is the 2-sided Student's t , $t_{1-\beta}$ is the 1-sided Student's t , S is the standard deviation, and n is the number of independent replicates. Assuming a negligible uncertainty for the reported concentration of the standard reference material (X_0), if $\bar{X} - X_0 \leq \Delta_D$ there is no significant difference between the accepted value for the standard reference material and that reported by our method.

Where U represents the assigned (symmetric) uncertainty bounds of the standard reference material,

$$\Delta_D \approx (t_{1-\alpha/2} + t_{1-\beta})S/\sqrt{n} + 2U$$

If we adapt this reasoning to evaluate a method detection limit and propose the null hypothesis (H_0) and alternate hypothesis (H_1) as

$$H_0: \bar{X} = 0 \text{ and } H_1: \bar{X} \geq 0, \text{ then}$$

$$\Delta_D \approx (t_{1-\alpha} + t_{1-\beta})S/\sqrt{n}$$

where $t_{1-\alpha}$ is the 1-sided Student's t . If the sample concentration is less than or equal to the method detection limit ($\bar{X} \leq \Delta_D$) we accept the null hypothesis. However if the sample concentration is greater than the method detection limit ($\bar{X} > \Delta_D$) we reject the null hypothesis and accept the alternate hypothesis. Then at $\alpha = 0.05$ and $\beta = 0.05$, there is a 95% probability that the sample concentration is greater than 0. At the 0.95 confidence level and a sample replication of 4 (df= 3) $\Delta_D \approx (2.35+2.35)S/\sqrt{4} = 2.35S$. At a sample replication of 2 (df= 1) $\Delta_D \approx (6.31+6.31)S/\sqrt{2} = 8.92S$. Detection Limits determined by this method (Method B) are reported in Tables 2 and 3.

Duncan (1974) and Dudewicz (1988) provided thorough discussions of "confidence interval" and "process capability". The "confidence interval" is a range of values which includes (with a preassigned probability called "confidence level") the true value of a population parameter. "Confidence limits" are the upper and lower boundaries of the confidence interval. Confidence level is the probability that an assertion about the value of a population parameter is correct. The mean of a normal population is $\bar{x} \pm t_{1-\alpha/2}S/\sqrt{n}$, where standard deviation is estimated as S , t is the Student's distribution coefficient, $\alpha/2$ is a 2

sided (2-tailed) confidence level, and n is the replicate sample size. At the 0.95 confidence level and a sample replication of 4 (degrees of freedom, $df = n - 1 = 3$) the confidence interval is $\bar{X} \pm 3.182S/\sqrt{4}$ or $\bar{X} \pm 1.6S$. There is a 95% confidence that the true mean is between $\bar{X} - 1.6S$ and $\bar{X} + 1.6S$. If only duplicate analyses are conducted, the confidence interval is $\bar{X} \pm 12.706S/\sqrt{2}$ or $\bar{X} \pm 9S$.

A test of hypothesis can be constructed for the comparison of individual data in this report. The null hypothesis (H_0) and alternate hypothesis (H_1) are

$$H_0: \bar{X}_1 = \bar{X}_2, \text{ and } H_1: \bar{X}_1 \neq \bar{X}_2.$$

For comparing 2 independent sample means with equal variance and the population standard deviation estimated by the sample standard deviation, S , we can use the following t-test for pooled variances (Dudewicz, 1988).

$$t_{1-\frac{\alpha}{2}} = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\frac{1}{n_1} + \frac{1}{n_2}} \sqrt{\frac{[(n_1-1)S_1^2 + (n_2-1)S_2^2]}{n_1+n_2-2}}}$$

If $S = S_1 = S_2$ and $n = n_1 = n_2$ then,

$$t_{1-\frac{\alpha}{2}} = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\frac{2}{n}} S}$$

If t is greater than the critical value from the t-distribution table then the null hypothesis is rejected. This equation can be rearranged to determine the critical interval (Δ_{crit}) for the difference between 2 sample means. If the difference between 2 sample means is greater than Δ_{crit} , we reject the null hypothesis and accept the alternate hypothesis:

$$\Delta_{crit} = t_{1-\frac{\alpha}{2}} \sqrt{\frac{2}{n}} S$$

where $\alpha = 0.05$, we are 95% confident that the 2 means are not the same.

Results from both standard reference materials were compared. The larger result for standard deviation, Method Detection Limit and Method

Confidence Interval are reported in Tables 2 and 3, and should be used to evaluate the data published in this report. Four replicate analyses were used to evaluate the standard reference materials but only duplicate analyses were used to evaluate sediment samples.

Various labile fractions for some metals (Fe, Mn, Ca, Cu, Zn, Ni, Pb, Cr) were evaluated using oxidizing and reducing leach procedures. Confidence intervals and detection limits for these leach results were estimated from results for total analyses of the standard reference materials. The sediment to elutriate ratio was 1:100 for the total analyses and 1:20 for the leach analyses. The ratios were different by a factor of 5. The confidence intervals and detection limits for sequential leach results were 1/5 or 20% of the values reported for the total analyses.

All data which are below the "Critical Interval for Means Comparison" for duplicate analyses (pooled variance t-test, $df=2$) are reported as "not detectable" (nd). The reporting of any values below this threshold would be misleading. We also caution the reader to note our discussion on detection limits and confidence intervals, and results published in Table 3.

When samples are not analyzed for specific metals they are reported as "not analyzed" (na*).

Table 1. Statistical evaluation of standard reference materials by current atomic absorption methods, for $\alpha = 0.05$, confidence level = 95%, level of replication = $n = 4$, and $df = n-1 = 3$.

	Published Value	Published Confidence Interval	Method Mean Value	Standard Deviation	Method Confidence Interval	Inherent Confidence Interval
Standard Reference Material: BCSS-1						
Si (%)	30.9	± 0.5	30.1	0.85	± 1.4	± 1.1
Al (%)	6.26	± 0.22	5.9	0.50	± 0.80	± 0.64
Fe (%)	3.29	± 0.10	3.40	0.28	± 0.45	± 0.19
K (%)	1.80	± 0.03	1.58	0.14	± 0.22	± 0.09
Mg (%)	1.46	± 0.14	1.34	0.08	± 0.13	± 0.10
Ca (%)	0.543	± 0.053	0.61	0.11	± 0.18	± 0.04
Mn (ppm)	229	±15	294	162	±260	±200
Cr (ppm)	123	± 14	82	16	± 25	± 17
Zn (ppm)	119	±12	118	2.0	± 3	± 2
Ni (ppm)	55.3	± 3.6	56	4.0	± 6	± 5
Li (ppm)			48	2.0	± 3	± 1
Pb (ppm)	22.7	± 3.4	11	6.0	± 10	± 3
Cu (ppm)	18.5	± 2.7	18	3.0	± 5	± 5
Standard Reference Material: MESS-1						
Si (%)	31.5	± 0.89	29.4	0.99	± 1.6	± 1.2
Al (%)	5.83	± 0.20	5.43	0.72	± 1.1	± 0.40
Fe (%)	3.05	± 0.18	2.99	0.28	± 0.45	± 0.12
K (%)	1.86	± 0.033	1.65	0.16	± 0.25	± 0.07
Mg (%)	0.86	± 0.054	0.74	0.14	± 0.22	± 0.16
Ca (%)	0.482	± 0.045	0.43	0.08	± 0.13	± 0.02
Mn (ppm)	513	±25	524	104	±165	±105
Cr (ppm)	71	±11	51	13	± 21	± 11
Zn (ppm)	191	±17	192	7.0	± 11	± 2
Ni (ppm)	29.5	± 2.7	25.1	4.0	± 6	± 6
Li (ppm)	45		46	2.0	± 3	± 1
Pb (ppm)	34.0	± 6.1	15	9.0	± 14	± 3
Cu (ppm)	25.1	± 3.8	23	3.0	± 5	± 4
Standard Reference Material: BEST-1						
Hg	0.092	± 0.009	0.09	0.011	± 0.02	± 0.02
Standard Reference Material: SO-3						
C _{total}	6.64	± 0.05	6.58	0.14	± 0.22	

Table 2. Method statistical evaluation for $\alpha = 0.05$, confidence level = 95%, level of replication = $n = 4$, and $df = 3$.

	Standard Deviation	Method A Detection Limits ¹	Method B Detection Limit ²	Method Confidence Interval	Critical Interval for Means Comparison ³
Si (%)	0.99	4	2	± 1.6	1.7
Al (%)	0.72	3	2	± 1.2	1.2
Fe (%)	0.28	1	0.7	± 0.5	0.5
K (%)	0.16	0.6	0.4	± 0.3	0.3
Mg (%)	0.14	0.5	0.3	± 0.2	0.2
Ca (%)	0.11	0.4	0.3	± 0.2	0.2
Mn (ppm)	162	600	400	± 260	280
Cr (ppm)	16	60	40	± 25	28
Zn (ppm)	7.0	20	20	± 11	12
Ni (ppm)	4.0	10	9	± 6	7
Li (ppm)	2.0	7	5	± 3	4
Pb (ppm)	9.0	30	20	± 14	15
Cu (ppm)	3.0	10	7	± 5	5
Hg	0.011	0.04	0.03	± 0.02	0.02
C _{total}	0.14	0.5	0.3	± 0.22	0.24

1. Detection Limits described by Canadian Association for Environmental Analytical Laboratories (1992).
2. Adapted from bias detection limit described by Breaker et al. (1992).
3. Test of hypothesis ($H_0: \bar{X}_1 = \bar{X}_2$, $H_1: \bar{X}_1 \neq \bar{X}_2$) critical value for comparing 2 independent sample means with equal variance. Calculations are based upon a pooled variance t-test (Dudewicz, 1988).

Table 3. Method statistical evaluation for $\alpha = 0.05$, confidence level = 95%, level of replication = $n = 2$, and $df = 1$.

	Standard Deviation	Method A Detection Limits ¹	Method B Detection Limit ²	Method Confidence Interval	Critical Interval for Means Comparison ³
Si (%)	0.99	4	9	± 8.9	4.3
Al (%)	0.72	3	6	± 6.5	3.1
Fe (%)	0.28	1	3	± 2.5	1.2
K (%)	0.16	0.6	1	± 1.4	0.7
Mg (%)	0.14	0.5	1	± 1.3	0.6
Ca (%)	0.11	0.4	1	± 1.0	0.5
Mn (ppm)	162	600	1000	±1500	700
Cr (ppm)	16	60	100	± 140	69
Zn (ppm)	7.0	20	60	± 63	30
Ni (ppm)	4.0	10	40	± 36	17
Li (ppm)	2.0	7	20	± 18	9
Pb (ppm)	9.0	30	80	± 54	39
Cu (ppm)	3.0	10	30	± 27	13
Hg	0.011	0.04	0.1	± 0.1	0.05
C _{total}	0.14	0.5	1.2	± 1.3	0.6

1. Detection Limits described by Canadian Association for Environmental Analytical Laboratories (1992).
2. Adapted from bias detection limit described by Breaker et al. (1992).
3. Test of hypothesis ($H_0: \bar{X}_1 = \bar{X}_2$, $H_1: \bar{X}_1 \neq \bar{X}_2$) critical value for comparing 2 independent sample means with equal variance. Calculations are based upon a pooled variance t-test (Dudewicz, 1988).

STN	Depth cm	Fe _{WA} %	Fe _{HA} %	Fe _{HHA} %	Fe _R %	Fe _{SUM} %	Fe _T %	Mn _{WA} μgg ⁻¹	Mn _{HA} μgg ⁻¹	Mn _{HHA} μgg ⁻¹	Mn _R μgg ⁻¹	Mn _{SUM} μgg ⁻¹	Mn _T μgg ⁻¹	ID
LG 3	0	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	74701
LG 3	5	0.4	nd	0.4	2.4	3.2	3.5	298	nd	nd	nd	712	nd	74702
LG 3	10	0.4	nd	0.4	2.1	2.9	3.5	288	nd	nd	nd	710	710	74703
LG 3	15	0.3	nd	0.4	2.3	3.1	3.2	377	nd	nd	nd	811	768	74704
LG 3	25	0.3	nd	0.4	2.6	3.3	3.6	294	nd	nd	nd	nd	nd	74705
LG 3	30	0.3	nd	0.4	2.4	3.1	3.6	257	nd	nd	nd	nd	734	74706
LG 3	40	0.3	nd	0.4	2.6	3.3	3.4	274	nd	nd	nd	716	752	74707
LG 3	50	0.3	nd	0.4	2.7	3.4	3.7	244	nd	nd	nd	nd	756	74708
LG 3	60	0.3	nd	0.4	2.8	3.5	3.4	223	nd	nd	nd	899	nd	74709
LG 3	70	0.3	nd	0.4	2.6	3.3	3.6	310	nd	nd	nd	792	788	74710
LG 3	80	0.3	nd	0.4	2.6	3.3	3.5	246	nd	nd	nd	743	726	74711
LG 3	90	0.3	nd	0.4	2.6	3.2	3.7	271	nd	nd	nd	nd	nd	74712
LG 3	100	0.3	nd	0.4	2.6	3.3	3.5	273	nd	nd	nd	nd	821	74713
004	0	nd	nd	0.5	2.0	2.8	3.5	249	nd	nd	nd	nd	974	74714
004	5	nd	nd	0.3	2.3	2.8	3.1	nd	nd	nd	nd	nd	nd	74715
004	10	nd	nd	0.3	2.3	2.7	3.0	nd	nd	nd	nd	nd	nd	74716
004	15	nd	nd	0.3	2.2	2.6	3.5	nd	nd	nd	nd	nd	nd	74717
004	25	nd	nd	0.3	2.5	3.0	3.4	nd	nd	nd	nd	nd	nd	74718
004	35	nd	nd	0.3	2.5	2.9	3.3	nd	nd	nd	nd	nd	nd	74719
004	41	nd	nd	0.4	2.4	2.9	3.3	nd	nd	nd	nd	nd	nd	74720
005	0	nd	nd	0.3	nd	1.6	3.4	nd	nd	nd	nd	nd	nd	74721
005	5	nd	nd	0.3	2.5	3.0	3.1	nd	nd	nd	720	821	nd	74722
005	10	nd	nd	0.3	2.4	2.9	3.7	nd	nd	nd	nd	nd	nd	74723
005	15	nd	nd	0.3	2.6	3.1	3.2	nd	nd	nd	nd	nd	nd	74724
005	20	nd	nd	0.3	2.2	2.7	3.4	nd	nd	nd	nd	nd	nd	74725
005	25	nd	nd	0.3	2.2	2.7	3.1	nd	nd	nd	nd	nd	nd	74726
005	30	nd	nd	0.3	2.3	2.8	2.9	nd	nd	nd	nd	738	nd	74727
005	40	nd	nd	0.3	2.1	2.6	3.2	nd	nd	nd	nd	nd	nd	74728
005	50	nd	nd	0.3	2.3	2.8	3.3	nd	nd	nd	nd	nd	nd	74729
005	60	nd	nd	0.3	2.3	2.8	3.4	nd	nd	nd	nd	nd	nd	74730
005	70	nd	nd	0.3	2.3	2.7	2.6	nd	nd	nd	nd	nd	nd	74731
005	80	nd	nd	0.3	2.1	2.6	3.5	nd	nd	nd	nd	nd	nd	74732
005	90	nd	nd	0.3	2.4	2.8	3.1	nd	nd	nd	nd	nd	nd	74733
005	100	nd	nd	0.3	2.4	2.9	3.4	nd	nd	nd	nd	nd	nd	74734
005	110	nd	nd	0.3	2.4	2.8	3.1	nd	nd	nd	nd	nd	nd	74735
005	120	nd	nd	0.3	2.2	2.6	3.2	nd	nd	nd	nd	nd	nd	74736
228	0	nd	nd	0.4	2.6	3.1	3.6	nd	nd	nd	nd	nd	nd	74737
228	3	nd	nd	0.3	2.6	3.0	3.3	nd	nd	nd	nd	nd	nd	74738
228	10	nd	nd	0.3	2.8	3.2	3.5	nd	nd	nd	nd	nd	nd	74739
228	25	nd	nd	0.3	2.5	2.9	3.2	nd	nd	nd	nd	nd	nd	74740
228	40	nd	nd	0.3	2.9	3.3	3.5	nd	nd	nd	nd	nd	nd	74741
228	50	nd	nd	0.3	2.8	3.3	3.7	nd	nd	nd	nd	nd	nd	74742
228	65	nd	nd	0.3	2.5	2.9	3.5	nd	nd	nd	nd	nd	nd	74743
228	80	nd	nd	0.3	2.5	2.9	3.0	nd	nd	nd	nd	nd	nd	74744
228	95	nd	nd	0.4	2.3	2.8	3.6	nd	nd	nd	nd	nd	nd	74745
228	115	nd	nd	0.4	2.8	3.4	3.4	nd	nd	nd	nd	nd	nd	74746
228	135	nd	nd	0.4	2.5	3.0	3.5	nd	nd	nd	nd	nd	nd	74747
212	0	nd	nd	0.3	1.7	2.1	3.3	nd	nd	nd	nd	nd	nd	74748
212	5	nd	nd	0.3	2.7	3.2	3.0	nd	nd	nd	nd	nd	nd	74749
212	10	nd	nd	0.3	2.6	3.1	3.7	nd	nd	nd	nd	nd	nd	74750
212	20	nd	nd	0.3	2.3	2.8	3.5	nd	nd	nd	nd	nd	nd	74751
212	30	nd	nd	nd	1.6	1.9	2.9	nd	nd	nd	nd	nd	nd	74752
212	40	nd	nd	0.3	2.2	2.7	3.5	nd	nd	nd	nd	nd	nd	74753
212	50	nd	nd	0.3	2.4	2.9	3.1	nd	nd	nd	nd	nd	nd	74754
212	60	nd	nd	0.3	2.1	2.6	3.0	nd	nd	nd	nd	nd	nd	74755
212	70	nd	nd	0.3	2.5	3.0	3.9	nd	nd	nd	nd	nd	nd	74756
212	80	nd	nd	0.3	1.9	2.4	3.7	nd	nd	nd	nd	nd	nd	74757
212	90	nd	nd	0.3	2.4	2.9	3.6	nd	nd	nd	nd	nd	nd	74758
212	100	nd	nd	0.3	2.5	3.0	3.7	nd	nd	nd	nd	nd	nd	74759
212	110	nd	nd	0.3	2.3	2.8	3.6	nd	nd	nd	nd	nd	nd	74760
212	120	nd	nd	0.3	2.3	2.8	3.1	nd	nd	nd	nd	nd	nd	74761
212	130	nd	nd	0.3	2.4	2.9	3.8	nd	nd	nd	nd	nd	nd	74762

STN	Depth cm	Fe _{WA} %	Fe _{HA} %	Fe _{HHA} %	Fe _R %	Fe _{SUM} %	Fe _T %	Mn _{WA} μgg ⁻¹	Mn _{HA} μgg ⁻¹	Mn _{HHA} μgg ⁻¹	Mn _R μgg ⁻¹	Mn _{SUM} μgg ⁻¹	Mn _T μgg ⁻¹	ID
204	0	nd	nd	0.4	2.3	2.9	na*	nd	nd	nd	nd	nd	na*	74763
204	5	nd	nd	0.3	2.4	3.0	3.6	nd	nd	nd	nd	nd	nd	74764
204	15	nd	nd	0.3	2.3	2.8	3.6	nd	nd	nd	nd	nd	nd	74765
204	25	nd	nd	0.3	2.1	2.5	3.7	nd	nd	nd	nd	nd	nd	74766
204	35	nd	nd	0.3	2.3	2.7	3.7	nd	nd	nd	nd	nd	nd	74767
204	45	nd	nd	0.3	2.5	2.9	3.5	nd	nd	nd	nd	nd	nd	74768
204	55	nd	nd	0.3	2.4	2.8	3.1	nd	nd	nd	nd	nd	nd	74769
204	65	nd	nd	0.3	2.6	2.9	2.7	nd	nd	nd	nd	nd	nd	74770
204	75	nd	nd	0.3	2.4	2.8	3.3	nd	nd	nd	nd	nd	nd	74771
204	85	nd	nd	0.3	2.5	2.9	3.4	nd	nd	nd	nd	nd	nd	74772
104	0	nd	nd	0.4	2.6	3.1	4.0	528	nd	nd	nd	1113	1090	74773
104	5	nd	nd	0.4	2.7	3.2	3.9	498	nd	nd	nd	1013	1117	74774
104	15	nd	nd	0.4	2.5	2.9	3.6	485	nd	nd	nd	1040	1054	74775
104	25	nd	nd	0.4	2.5	2.9	3.8	451	nd	nd	nd	848	1078	74776
104	35	nd	nd	0.4	2.7	3.1	3.5	540	nd	nd	nd	1026	1156	74777
104	45	nd	nd	0.4	2.6	3.0	3.5	512	nd	nd	nd	1171	1034	74778
104	55	nd	nd	0.4	2.4	2.9	3.7	618	nd	nd	nd	1129	1348	74779
104	65	nd	nd	0.4	2.6	3.1	3.7	643	nd	nd	nd	1225	1253	74780
104	75	nd	nd	0.3	2.6	3.0	3.5	684	nd	nd	nd	1380	1274	74781
104	85	nd	nd	0.3	2.6	3.0	3.6	708	nd	nd	nd	1160	1243	74782
104	100	nd	nd	0.3	2.4	2.8	3.8	668	nd	nd	nd	1295	1310	74783
104	110	nd	nd	0.4	2.5	2.9	4.2	671	nd	nd	nd	1232	1378	74784
104	120	nd	nd	0.4	2.5	2.9	3.8	654	nd	nd	nd	1198	1231	74785
104	130	nd	nd	0.3	2.5	2.9	4.2	680	nd	nd	nd	1370	1343	74786
104	140	nd	nd	0.3	2.8	3.1	3.8	700	nd	nd	nd	1286	1342	74787
104	150	nd	nd	0.4	2.5	2.9	4.0	660	nd	nd	nd	1218	1280	74788
104	160	nd	nd	0.4	2.7	3.1	4.0	644	nd	nd	nd	1227	1330	74789
104	170	nd	nd	0.3	2.9	3.2	4.2	637	nd	nd	nd	1248	1384	74790
LG-1	0	nd	nd	0.4	2.3	2.9	3.5	162	nd	nd	nd	nd	nd	74791
LG-2	0	nd	nd	0.3	2.3	2.8	2.7	181	nd	nd	nd	801	nd	74792
LG-3	0	0.3	nd	0.4	2.5	3.3	4.0	284	nd	nd	nd	851	747	74793
LG-4	0	0.3	nd	0.5	2.6	3.5	3.9	203	nd	nd	nd	820	nd	74794
LG-5	0	nd	nd	0.3	2.0	2.6	3.0	nd	nd	nd	nd	nd	nd	74795
LG-6	0	nd	nd	0.3	2.1	2.5	3.0	nd	nd	nd	nd	nd	nd	74796
LG-7	0	0.3	nd	0.4	2.2	2.9	3.2	nd	nd	nd	nd	nd	nd	74797
LG-8	0	0.2	nd	0.4	2.9	3.5	3.6	148	nd	nd	nd	nd	nd	74798
201	0	nd	nd	0.4	2.8	3.4	3.9	nd	nd	nd	nd	nd	nd	74799
203	0	nd	nd	0.4	2.9	3.5	4.2	nd	nd	nd	nd	nd	nd	74800
205	0	nd	nd	0.3	2.3	2.8	3.6	nd	nd	nd	nd	nd	nd	74801
207	0	nd	nd	0.4	2.1	2.8	3.9	nd	nd	nd	nd	nd	nd	74802
209	0	nd	nd	0.3	2.0	2.6	3.6	nd	nd	nd	nd	nd	nd	74803
211	0	nd	nd	0.3	2.2	2.7	3.6	nd	nd	nd	nd	nd	nd	74804
213	0	nd	nd	0.3	1.4	1.7	2.7	nd	nd	nd	nd	nd	nd	74805
215	0	nd	nd	0.5	2.5	3.2	4.3	nd	nd	nd	nd	nd	nd	74806
217	0	0.3	nd	0.4	2.7	3.5	4.8	nd	nd	nd	nd	nd	nd	74807
219	0	nd	nd	0.4	1.8	2.3	2.5	nd	nd	nd	nd	nd	nd	74808
224	0	nd	nd	nd	1.5	1.8	2.8	nd	nd	nd	nd	nd	nd	74809
LG-4	0	0.3	nd	0.3	2.5	3.2	3.8	155	nd	nd	nd	nd	nd	74861
LG-4	1	0.3	nd	0.4	2.3	3.0	4.2	158	nd	nd	nd	nd	727	74862
LG-4	2	0.4	nd	0.4	2.4	3.2	4.5	179	nd	nd	nd	nd	814	74863
LG-4	3	0.4	nd	0.4	2.3	3.1	3.7	180	nd	nd	nd	nd	nd	74864
LG-4	4	0.3	nd	0.3	2.4	3.1	3.7	157	nd	nd	nd	nd	nd	74865
LG-4	9	0.3	nd	0.4	2.7	3.4	4.2	197	nd	nd	nd	nd	752	74866
LG-4	14	0.3	nd	0.3	2.6	3.2	4.0	160	nd	nd	nd	nd	nd	74867
LG-4	19	0.3	nd	0.3	2.5	3.1	3.6	175	nd	nd	nd	nd	nd	74868
LG-4	24	0.3	nd	0.3	2.7	3.4	4.0	189	nd	nd	nd	nd	701	74869
LG-4	29	0.3	nd	0.4	2.6	3.3	4.0	150	nd	nd	nd	nd	nd	74870
LG-4	39	0.4	nd	0.3	2.6	3.5	4.1	208	nd	nd	nd	nd	819	74871
LG-4	49	0.3	nd	0.4	2.7	3.4	4.3	175	nd	nd	nd	nd	708	74872
LG-4	59	0.2	nd	0.3	2.7	3.3	4.0	179	nd	nd	nd	nd	763	74873
LG-4	69	0.3	nd	0.4	2.5	3.2	4.4	190	nd	nd	nd	nd	851	74874
LG-4	79	0.3	nd	0.4	2.4	3.2	4.4	202	nd	nd	nd	839	745	74875
LG-4	89	0.3	nd	0.4	2.8	3.5	4.3	227	nd	nd	nd	845	853	74876
LG-4	99	nd	nd	0.4	2.6	3.2	4.3	196	nd	nd	nd	nd	837	74877

STN	Depth cm	Ca _{WA} %	Ca _{HA} %	Ca _{HHA} %	Ca _R %	Ca _{SUM} %	Ca _T %	Cu _{WA} μgg ⁻¹	Cu _{HA} μgg ⁻¹	Cu _{HHA} μgg ⁻¹	Cu _R μgg ⁻¹	Cu _{SUM} μgg ⁻¹	Cu _T μgg ⁻¹	ID
LG 3	0	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	74701
LG 3	5	2.4	0.4	0.2	1.1	4.1	4.9	nd	nd	nd	nd	nd	20	74702
LG 3	10	2.2	0.3	0.3	0.9	3.7	6.0	nd	nd	nd	nd	nd	na*	74703
LG 3	15	2.3	0.2	0.3	1.1	3.9	4.2	nd	nd	nd	nd	nd	17	74704
LG 3	25	2.4	0.3	0.2	1.2	4.0	5.0	nd	nd	nd	nd	nd	19	74705
LG 3	30	2.3	0.2	0.2	1.1	3.8	5.3	nd	nd	nd	nd	nd	19	74706
LG 3	40	2.5	0.2	0.4	1.1	4.2	5.7	nd	nd	nd	nd	nd	21	74707
LG 3	50	2.0	0.4	0.3	1.2	3.9	6.0	nd	nd	nd	nd	nd	18	74708
LG 3	60	2.1	0.4	0.3	1.2	3.9	6.2	nd	nd	nd	nd	nd	15	74709
LG 3	70	1.7	0.4	0.3	1.3	3.6	6.4	nd	nd	nd	nd	nd	17	74710
LG 3	80	2.4	0.4	0.3	1.3	4.4	6.3	nd	nd	nd	nd	nd	20	74711
LG 3	90	1.7	0.6	0.3	1.3	3.9	7.7	nd	nd	nd	nd	nd	17	74712
LG 3	100	1.8	0.4	0.3	1.5	3.9	7.1	nd	nd	nd	nd	nd	19	74713
004	0	0.8	0.2	nd	1.6	2.6	3.3	nd	nd	nd	nd	nd	nd	74714
004	5	0.8	0.2	0.1	1.1	2.1	3.3	nd	nd	nd	nd	nd	17	74715
004	10	0.9	0.2	0.1	1.1	2.3	3.5	nd	nd	nd	nd	nd	16	74716
004	15	1.1	0.1	0.1	1.2	2.4	4.1	nd	nd	nd	nd	nd	15	74717
004	25	1.1	0.1	0.1	1.1	2.4	4.5	nd	nd	nd	nd	nd	19	74718
004	35	1.1	0.1	0.1	1.5	2.8	4.2	nd	nd	nd	nd	nd	17	74719
004	41	0.6	nd	nd	1.1	1.9	4.5	nd	nd	nd	nd	nd	14	74720
005	0	1.2	0.2	0.1	nd	1.6	5.0	nd	nd	nd	nd	nd	16	74721
005	5	1.1	0.2	0.1	0.7	2.1	3.3	nd	nd	nd	nd	nd	17	74722
005	10	1.3	0.2	0.1	1.4	3.0	4.9	nd	nd	nd	nd	nd	17	74723
005	15	1.3	0.1	0.1	1.6	3.1	4.2	nd	nd	nd	nd	nd	21	74724
005	20	1.1	0.1	0.2	1.2	2.6	4.5	nd	nd	nd	nd	nd	15	74725
005	25	1.4	0.2	0.2	1.0	2.8	4.7	nd	nd	nd	nd	nd	17	74726
005	30	1.2	0.2	0.2	1.2	2.8	4.1	nd	nd	nd	nd	nd	14	74727
005	40	1.2	0.5	0.2	1.1	2.9	5.1	nd	nd	nd	nd	nd	nd	74728
005	50	1.0	0.4	0.1	1.2	2.7	3.5	nd	nd	nd	nd	nd	16	74729
005	60	1.2	0.4	0.1	1.3	3.0	4.5	nd	nd	nd	nd	nd	14	74730
005	70	1.1	0.2	0.1	1.1	2.5	1.9	nd	nd	nd	nd	nd	17	74731
005	80	1.2	0.4	0.1	1.2	2.9	5.6	nd	nd	nd	nd	nd	18	74732
005	90	1.5	0.3	0.2	1.1	3.1	5.2	nd	nd	nd	nd	nd	17	74733
005	100	1.4	0.3	0.2	1.3	3.2	5.5	nd	nd	nd	nd	nd	15	74734
005	110	1.7	0.2	0.1	1.4	3.5	5.5	nd	nd	nd	nd	nd	20	74735
005	120	0.9	0.1	nd	1.3	2.4	5.0	nd	nd	nd	nd	nd	17	74736
228	0	1.4	0.2	0.1	1.6	3.2	5.6	nd	nd	nd	nd	nd	19	74737
228	3	1.5	0.2	0.1	1.6	3.4	5.7	nd	nd	nd	nd	nd	nd	74738
228	10	1.2	0.2	nd	1.3	2.7	5.2	nd	nd	nd	nd	nd	16	74739
228	25	1.4	0.2	0.1	1.2	2.9	4.5	nd	nd	nd	nd	nd	15	74740
228	40	1.8	0.1	nd	1.4	3.4	5.6	nd	nd	nd	nd	nd	16	74741
228	50	1.1	nd	nd	1.2	2.5	4.7	nd	nd	nd	nd	nd	21	74742
228	65	1.5	0.1	nd	1.2	3.0	5.0	nd	nd	nd	nd	nd	16	74743
228	80	1.5	0.2	0.1	1.1	2.9	3.6	nd	nd	nd	nd	nd	18	74744
228	95	1.7	0.1	0.1	1.1	3.1	5.4	nd	nd	nd	nd	nd	17	74745
228	115	1.8	0.2	0.1	1.2	3.3	5.6	nd	nd	nd	nd	nd	17	74746
228	135	1.6	0.2	nd	1.1	2.9	5.0	nd	nd	nd	nd	nd	15	74747
212	0	0.3	nd	nd	0.9	1.3	2.9	nd	nd	nd	nd	nd	nd	74748
212	5	0.3	nd	nd	1.1	1.5	2.7	nd	nd	nd	nd	nd	nd	74749
212	10	0.3	nd	nd	1.3	1.8	3.5	nd	nd	nd	nd	nd	15	74750
212	20	0.3	nd	nd	1.4	1.9	2.4	nd	nd	nd	nd	nd	18	74751
212	30	0.2	nd	nd	1.2	1.5	2.0	nd	nd	nd	nd	nd	nd	74752
212	40	0.4	nd	nd	1.3	1.8	2.4	nd	nd	nd	nd	nd	nd	74753
212	50	0.4	nd	nd	1.3	1.9	2.0	nd	nd	nd	nd	nd	16	74754
212	60	0.4	nd	nd	1.3	1.8	1.9	nd	nd	nd	nd	nd	nd	74755
212	70	0.4	nd	nd	1.4	2.0	2.2	nd	nd	nd	nd	nd	21	74756
212	80	0.4	0.1	nd	1.3	1.9	2.2	nd	nd	nd	nd	nd	24	74757
212	90	0.5	0.1	nd	1.3	2.0	2.2	nd	nd	nd	nd	nd	23	74758
212	100	0.5	0.1	nd	1.3	2.0	2.5	nd	nd	nd	nd	nd	22	74759
212	110	0.6	0.1	nd	1.2	2.0	2.3	nd	nd	nd	nd	13	23	74760
212	120	0.6	0.1	nd	1.0	1.8	2.0	nd	nd	nd	nd	nd	20	74761
212	130	0.7	0.1	nd	1.2	2.1	2.5	nd	nd	nd	nd	nd	24	74762

STN	Depth cm	Ca _{WA} %	Ca _{HA} %	Ca _{HHA} %	Ca _R %	Ca _{SUM} %	Ca _T %	Cu _{WA} μg g ⁻¹	Cu _{HA} μg g ⁻¹	Cu _{HHA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{SUM} μg g ⁻¹	Cu _T μg g ⁻¹	ID
204	0	0.2	nd	nd	1.1	1.4	na*	nd	nd	nd	nd	nd	17	74763
204	5	0.3	nd	nd	1.1	1.4	1.9	nd	nd	nd	nd	nd	19	74764
204	15	0.3	nd	nd	1.0	1.5	1.8	nd	nd	nd	nd	nd	19	74765
204	25	0.3	nd	nd	0.9	1.4	1.6	nd	nd	nd	nd	nd	17	74766
204	35	0.4	nd	nd	1.0	1.5	1.6	nd	nd	nd	nd	nd	16	74767
204	45	0.3	nd	nd	1.1	1.6	2.0	nd	nd	nd	nd	nd	16	74768
204	55	0.4	nd	nd	1.1	1.6	1.7	nd	nd	nd	nd	nd	22	74769
204	65	0.3	nd	nd	nd	0.6	1.7	nd	nd	nd	nd	nd	17	74770
204	75	0.4	nd	nd	1.2	1.8	2.3	nd	nd	nd	nd	nd	16	74771
204	85	0.3	0.1	nd	1.3	1.8	2.9	nd	nd	nd	nd	nd	14	74772
104	0	2.4	0.2	0.2	0.7	3.6	5.5	nd	nd	nd	nd	nd	24	74773
104	5	2.5	0.3	0.2	0.7	3.6	5.1	nd	nd	nd	nd	nd	21	74774
104	15	3.3	0.3	0.2	0.6	4.4	5.0	nd	nd	nd	nd	nd	21	74775
104	25	2.4	0.3	0.2	0.6	3.4	5.0	nd	nd	nd	nd	nd	26	74776
104	35	2.5	0.3	0.2	0.7	3.6	4.0	nd	nd	nd	nd	nd	25	74777
104	45	2.4	0.2	0.1	0.7	3.4	4.7	nd	nd	nd	nd	nd	25	74778
104	55	2.3	0.3	0.1	0.6	3.3	3.9	nd	nd	nd	nd	nd	26	74779
104	65	2.1	0.3	0.1	0.6	3.1	3.6	nd	nd	nd	nd	nd	25	74780
104	75	2.9	0.2	0.1	0.6	3.8	3.4	nd	nd	nd	nd	nd	23	74781
104	85	2.6	0.2	0.1	0.7	3.6	4.2	nd	nd	nd	nd	nd	24	74782
104	100	2.6	0.3	0.1	0.6	3.6	3.7	nd	nd	nd	nd	nd	34	74783
104	110	1.8	0.3	0.1	0.7	2.9	3.7	nd	nd	nd	nd	nd	29	74784
104	120	2.7	0.3	0.1	0.7	3.8	3.6	nd	nd	nd	nd	nd	32	74785
104	130	2.7	0.2	0.1	0.6	3.6	4.2	nd	nd	nd	nd	nd	29	74786
104	140	3.1	0.3	0.1	0.7	4.2	3.9	nd	nd	nd	nd	nd	31	74787
104	150	2.9	0.3	0.1	0.6	3.8	3.9	nd	nd	nd	nd	nd	32	74788
104	160	2.8	0.2	0.1	0.6	3.8	3.7	nd	nd	nd	nd	nd	31	74789
104	170	3.0	0.2	nd	0.6	3.9	3.6	nd	nd	nd	nd	nd	29	74790
LG-1	0	3.1	0.3	0.2	0.7	4.2	4.0	nd	nd	nd	nd	nd	28	74791
LG-2	0	3.1	0.2	0.2	0.7	4.2	4.4	nd	nd	nd	nd	nd	nd	74792
LG-3	0	2.5	0.2	0.1	0.7	3.6	4.1	nd	nd	nd	nd	nd	19	74793
LG-4	0	1.2	0.1	nd	0.9	2.4	2.1	nd	nd	nd	nd	nd	20	74794
LG-5	0	0.3	nd	nd	1.0	1.4	1.3	nd	nd	nd	nd	nd	15	74795
LG-6	0	0.2	nd	nd	1.1	1.4	1.1	nd	nd	nd	nd	nd	15	74796
LG-7	0	1.6	0.2	0.1	0.8	2.6	1.8	nd	nd	nd	nd	nd	22	74797
LG-8	0	2.3	0.2	0.3	0.9	3.7	3.3	nd	nd	nd	nd	nd	19	74798
201	0	0.2	nd	nd	1.0	1.3	1.1	nd	nd	nd	nd	nd	18	74799
203	0	0.2	nd	nd	1.4	1.7	1.1	nd	nd	nd	nd	nd	19	74800
205	0	0.2	nd	nd	1.3	1.6	1.0	nd	nd	nd	nd	nd	nd	74801
207	0	0.2	nd	nd	1.2	1.5	1.1	nd	nd	nd	nd	nd	nd	74802
209	0	0.3	nd	nd	1.1	1.6	2.2	nd	nd	nd	nd	nd	nd	74803
211	0	0.3	nd	nd	1.1	1.5	2.0	nd	nd	nd	nd	nd	nd	74804
213	0	0.8	0.2	0.1	0.9	2.0	2.9	nd	nd	nd	nd	nd	nd	74805
215	0	0.5	0.1	nd	1.1	1.7	2.3	nd	nd	nd	14	14	16	74806
217	0	0.5	0.1	nd	1.1	1.8	2.4	nd	nd	nd	nd	nd	16	74807
219	0	0.3	0.1	nd	0.9	1.4	1.8	nd	nd	nd	nd	nd	nd	74808
224	0	0.3	nd	nd	0.8	1.2	2.2	nd	nd	nd	nd	nd	nd	74809
LG-4	0	1.2	0.2	nd	1.5	2.9	2.9	nd	nd	nd	nd	nd	16	74861
LG-4	1	1.2	0.2	nd	1.3	2.8	3.3	nd	nd	nd	nd	nd	14	74862
LG-4	2	1.6	0.2	nd	1.3	3.2	3.5	nd	nd	nd	nd	nd	16	74863
LG-4	3	1.9	0.3	nd	1.3	3.5	3.1	nd	nd	nd	nd	nd	nd	74864
LG-4	4	1.3	0.3	nd	1.2	2.9	2.8	nd	nd	nd	nd	nd	17	74865
LG-4	9	1.1	0.2	nd	1.4	2.7	3.1	nd	nd	nd	nd	nd	nd	74866
LG-4	14	1.2	0.2	nd	1.2	2.7	2.7	nd	nd	nd	nd	nd	nd	74867
LG-4	19	1.2	0.1	nd	1.3	2.8	2.4	nd	nd	nd	nd	nd	nd	74868
LG-4	24	1.4	0.2	nd	0.9	2.5	2.4	nd	nd	nd	nd	nd	nd	74869
LG-4	29	1.4	0.1	nd	1.3	3.0	2.3	nd	nd	nd	nd	nd	nd	74870
LG-4	39	1.8	0.2	nd	1.2	3.3	2.9	nd	nd	nd	nd	nd	14	74871
LG-4	49	1.4	0.2	nd	1.0	2.7	2.7	nd	nd	nd	nd	nd	nd	74872
LG-4	59	1.3	0.2	nd	1.1	2.6	3.2	nd	nd	nd	nd	nd	nd	74873
LG-4	69	1.3	0.2	nd	1.0	2.6	3.3	nd	nd	nd	nd	nd	nd	74874
LG-4	79	2.0	0.3	nd	1.0	3.4	3.7	nd	nd	nd	nd	nd	15	74875
LG-4	89	1.7	0.3	nd	1.2	3.2	3.4	nd	nd	nd	nd	nd	nd	74876
LG-4	99	1.2	0.3	nd	1.0	2.5	3.2	nd	nd	nd	nd	nd	14	74877

STN	Depth cm	Zn _{HA} %	Zn _{HA} %	Zn _{HHA} %	Zn _R %	Zn _{SUM} %	Zn _T %	Ni _{HA} μgg ⁻¹	Ni _{HA} μgg ⁻¹	Ni _{HHA} μgg ⁻¹	Ni _R μgg ⁻¹	Ni _{SUM} μgg ⁻¹	Ni _T μgg ⁻¹	ID
LG 3	0	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	74701
LG 3	5	8	nd	16	31	56	85	3	nd	6	nd	25	36	74702
LG 3	10	8	nd	16	32	57	na*	3	nd	6	nd	21	na*	74703
LG 3	15	6	nd	16	nd	52	82	nd	nd	7	nd	21	36	74704
LG 3	25	nd	nd	15	34	55	83	4	nd	7	nd	25	38	74705
LG 3	30	nd	nd	15	34	55	84	4	nd	7	nd	29	36	74706
LG 3	40	nd	nd	14	33	53	82	3	nd	7	nd	26	37	74707
LG 3	50	nd	nd	15	35	56	80	nd	nd	7	nd	21	37	74708
LG 3	60	nd	nd	15	34	53	81	nd	nd	6	nd	18	39	74709
LG 3	70	nd	nd	15	33	53	76	3	nd	6	nd	23	34	74710
LG 3	80	nd	nd	15	32	52	83	4	nd	7	nd	22	30	74711
LG 3	90	nd	nd	16	33	53	80	nd	nd	7	nd	24	36	74712
LG 3	100	nd	nd	15	33	52	77	nd	nd	6	nd	20	41	74713
004	0	nd	nd	12	nd	42	64	nd	nd	5	nd	nd	25	74714
004	5	nd	nd	13	nd	42	67	nd	nd	5	nd	nd	32	74715
004	10	nd	nd	12	nd	40	62	nd	nd	5	nd	nd	23	74716
004	15	nd	nd	12	nd	42	63	nd	nd	4	nd	nd	26	74717
004	25	nd	nd	12	nd	40	61	nd	nd	4	nd	17	26	74718
004	35	nd	nd	11	nd	39	57	nd	nd	4	nd	nd	21	74719
004	41	nd	nd	11	nd	39	65	nd	nd	4	nd	nd	26	74720
005	0	nd	nd	13	nd	42	68	nd	nd	4	nd	nd	26	74721
005	5	nd	nd	13	nd	41	67	nd	nd	4	nd	nd	23	74722
005	10	nd	nd	12	nd	41	68	nd	nd	4	nd	nd	25	74723
005	15	7	nd	12	nd	45	73	nd	nd	4	nd	20	30	74724
005	20	nd	nd	12	nd	41	67	nd	nd	4	nd	nd	30	74725
005	25	nd	nd	12	nd	42	65	nd	nd	4	nd	23	30	74726
005	30	nd	nd	13	nd	41	68	nd	nd	4	nd	20	26	74727
005	40	nd	nd	12	nd	42	66	nd	nd	4	nd	21	20	74728
005	50	nd	nd	12	nd	41	65	nd	nd	4	nd	nd	25	74729
005	60	nd	nd	13	nd	40	66	nd	nd	5	nd	20	30	74730
005	70	nd	nd	12	nd	41	64	nd	nd	4	nd	19	28	74731
005	80	nd	nd	12	nd	41	65	nd	nd	5	nd	20	28	74732
005	90	nd	nd	12	nd	41	65	nd	nd	5	nd	nd	27	74733
005	100	nd	nd	12	nd	41	66	nd	nd	5	nd	18	24	74734
005	110	nd	nd	12	nd	40	63	nd	nd	5	nd	nd	25	74735
005	120	nd	nd	11	nd	39	62	nd	nd	5	nd	nd	24	74736
228	0	6	nd	14	nd	48	70	nd	nd	4	nd	18	26	74737
228	3	nd	nd	13	nd	42	70	nd	nd	5	nd	18	28	74738
228	10	nd	nd	14	nd	45	73	nd	nd	6	nd	19	26	74739
228	25	nd	nd	13	nd	44	68	nd	nd	5	nd	17	23	74740
228	40	nd	nd	14	31	48	73	nd	nd	5	nd	19	30	74741
228	50	nd	nd	14	31	48	76	nd	nd	5	nd	20	26	74742
228	65	nd	nd	14	nd	46	73	nd	nd	6	nd	19	30	74743
228	80	nd	nd	14	nd	45	71	nd	nd	4	nd	19	23	74744
228	95	nd	nd	14	nd	47	70	nd	nd	5	nd	nd	25	74745
228	115	nd	nd	15	nd	47	72	3	nd	4	nd	18	29	74746
228	135	nd	nd	14	nd	44	75	nd	nd	6	nd	22	26	74747
212	0	nd	nd	12	nd	42	69	nd	nd	4	nd	18	23	74748
212	5	nd	nd	12	nd	40	70	nd	nd	4	nd	nd	25	74749
212	10	nd	nd	13	nd	44	73	nd	nd	5	nd	nd	23	74750
212	20	nd	nd	13	nd	43	73	nd	nd	5	nd	nd	33	74751
212	30	nd	nd	10	nd	nd	47	nd	nd	4	nd	nd	21	74752
212	40	nd	nd	14	nd	42	74	nd	nd	5	nd	nd	33	74753
212	50	nd	nd	14	30	45	77	nd	nd	5	nd	nd	37	74754
212	60	nd	nd	13	nd	42	72	nd	nd	4	nd	nd	33	74755
212	70	nd	nd	14	32	46	81	nd	nd	5	nd	20	35	74756
212	80	nd	nd	14	31	45	75	nd	nd	5	nd	18	28	74757
212	90	nd	nd	13	nd	46	73	nd	nd	5	nd	nd	27	74758
212	100	nd	nd	14	nd	46	73	nd	nd	3	nd	nd	26	74759
212	110	nd	nd	14	30	47	72	nd	nd	4	nd	nd	29	74760
212	120	nd	nd	14	nd	47	73	nd	nd	4	nd	nd	27	74761
212	130	nd	nd	14	31	48	76	nd	nd	5	nd	19	25	74762

STN	Depth cm	Zn _{WA} %	Zn _{HA} %	Zn _{HHA} %	Zn _R %	Zn _{SUM} %	Zn _T %	Ni _{WA} μgg ⁻¹	Ni _{HA} μgg ⁻¹	Ni _{HHA} μgg ⁻¹	Ni _R μgg ⁻¹	Ni _{SUM} μgg ⁻¹	Ni _T μgg ⁻¹	ID
204	0	nd	nd	14	32	51	80	nd	nd	4	nd	17	24	74763
204	5	nd	nd	13	30	47	77	nd	nd	5	nd	nd	29	74764
204	15	nd	nd	13	33	49	75	nd	nd	4	nd	18	20	74765
204	25	nd	nd	13	nd	44	69	nd	nd	4	nd	19	20	74766
204	35	nd	nd	13	nd	44	67	nd	nd	4	nd	21	nd	74767
204	45	nd	nd	13	nd	43	68	nd	nd	5	nd	19	23	74768
204	55	nd	nd	12	nd	39	65	nd	nd	4	nd	nd	20	74769
204	65	nd	nd	12	nd	39	66	nd	nd	4	nd	nd	22	74770
204	75	nd	nd	13	nd	41	70	nd	nd	5	nd	nd	22	74771
204	85	nd	nd	13	nd	42	70	nd	nd	4	nd	nd	20	74772
104	0	nd	nd	19	31	56	83	4	nd	7	nd	22	33	74773
104	5	nd	nd	18	nd	51	81	4	nd	8	nd	26	36	74774
104	15	nd	nd	18	33	55	83	4	nd	7	nd	28	37	74775
104	25	nd	nd	18	nd	51	85	4	nd	6	nd	25	36	74776
104	35	nd	nd	18	31	53	84	4	nd	7	nd	24	37	74777
104	45	nd	nd	19	31	53	82	3	nd	7	nd	23	29	74778
104	55	nd	nd	19	31	53	87	3	nd	7	nd	22	39	74779
104	65	nd	nd	19	31	54	83	4	nd	7	nd	28	35	74780
104	75	nd	nd	19	32	54	85	4	nd	7	nd	22	36	74781
104	85	nd	nd	19	32	55	82	nd	nd	7	nd	19	29	74782
104	100	nd	nd	18	33	55	86	4	nd	7	nd	26	34	74783
104	110	nd	nd	19	33	55	85	nd	nd	7	nd	26	36	74784
104	120	nd	nd	19	33	56	77	4	nd	7	17	30	40	74785
104	130	nd	nd	18	33	55	84	4	nd	7	nd	26	38	74786
104	140	nd	nd	19	33	56	84	4	nd	7	nd	26	39	74787
104	150	nd	nd	19	32	55	83	4	nd	7	nd	22	35	74788
104	160	nd	nd	19	32	55	86	4	nd	7	nd	27	38	74789
104	170	nd	nd	19	34	56	86	4	nd	8	nd	25	36	74790
LG-1	0	6	nd	17	nd	51	73	nd	nd	6	nd	23	32	74791
LG-2	0	nd	nd	14	33	52	55	3	nd	6	nd	20	23	74792
LG-3	0	8	nd	18	31	57	81	3	na*	7	nd	na*	29	74793
LG-4	0	9	nd	16	nd	56	78	nd	nd	5	nd	18	24	74794
LG-5	0	nd	nd	12	nd	39	61	nd	nd	3	nd	nd	20	74795
LG-6	0	nd	nd	11	nd	38	68	nd	nd	nd	nd	nd	19	74796
LG-7	0	8	nd	18	nd	53	89	nd	nd	5	nd	20	30	74797
LG-8	0	8	nd	18	36	62	85	4	nd	5	nd	21	30	74798
201	0	nd	nd	14	32	53	81	nd	nd	4	nd	nd	20	74799
203	0	nd	nd	14	35	54	82	nd	nd	nd	nd	nd	26	74800
205	0	nd	nd	13	nd	46	68	nd	nd	5	nd	19	24	74801
207	0	nd	nd	13	nd	45	66	nd	nd	4	nd	17	28	74802
209	0	nd	nd	14	nd	48	68	nd	nd	6	nd	21	25	74803
211	0	7	nd	14	nd	51	70	nd	nd	6	19	26	20	74804
213	0	7	nd	15	nd	49	45	nd	nd	4	nd	19	nd	74805
215	0	nd	nd	15	nd	51	79	nd	nd	6	nd	21	28	74806
217	0	7	nd	16	nd	54	85	nd	nd	6	18	27	31	74807
219	0	nd	nd	11	nd	43	52	nd	nd	nd	26	29	nd	74808
224	0	nd	nd	8	nd	40	46	nd	nd	nd	nd	18	nd	74809
LG-4	0	9	nd	15	nd	52	81	5	nd	5	20	31	31	74861
LG-4	1	8	nd	16	nd	51	79	4	nd	6	19	29	31	74862
LG-4	2	9	nd	17	nd	54	81	4	nd	5	nd	22	28	74863
LG-4	3	9	nd	16	nd	53	43	5	nd	5	20	31	nd	74864
LG-4	4	7	nd	16	nd	53	80	5	nd	5	nd	28	31	74865
LG-4	9	9	nd	16	nd	54	79	3	nd	5	nd	21	33	74866
LG-4	14	7	nd	16	31	56	79	nd	nd	5	18	27	32	74867
LG-4	19	7	nd	16	32	56	75	nd	nd	4	18	25	35	74868
LG-4	24	6	nd	16	nd	49	75	4	nd	6	nd	20	35	74869
LG-4	29	nd	nd	17	nd	47	73	3	nd	5	nd	17	36	74870
LG-4	39	6	nd	15	nd	44	77	4	nd	5	nd	23	35	74871
LG-4	49	nd	nd	16	nd	43	73	3	nd	5	nd	nd	38	74872
LG-4	59	nd	nd	15	nd	34	78	nd	nd	5	nd	nd	37	74873
LG-4	69	nd	nd	15	nd	47	77	nd	nd	5	nd	22	39	74874
LG-4	79	nd	nd	16	nd	47	74	4	nd	6	nd	22	30	74875
LG-4	89	nd	nd	17	nd	36	75	4	nd	7	nd	nd	29	74876
LG-4	99	nd	nd	17	nd	35	76	nd	na*	7	nd	na*	33	74877

STN	Depth cm	Pb _{WA} %	Pb _{HA} %	Pb _{HHA} %	Pb _R %	Pb _{SUM} %	Pb _T %	Cr _{WA} μgg ⁻¹	Cr _{HA} μgg ⁻¹	Cr _{HHA} μgg ⁻¹	Cr _R μgg ⁻¹	Cr _{SUM} μgg ⁻¹	Cr _T μgg ⁻¹	ID
LG 3	0	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*	74701
LG 3	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	80 74702
LG 3	10	nd	nd	nd	nd	nd	na*	nd	nd	nd	nd	nd	na*	74703
LG 3	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	84	74704
LG 3	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	83	74705
LG 3	30	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	86	74706
LG 3	40	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	80	74707
LG 3	50	nd	nd	nd	nd	nd	nd	nd	nd	17	nd	nd	83	74708
LG 3	60	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	89	74709
LG 3	70	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	79	74710
LG 3	80	nd	nd	nd	nd	nd	nd	nd	nd	17	nd	nd	98	74711
LG 3	90	nd	nd	nd	nd	nd	nd	nd	nd	15	nd	nd	88	74712
LG 3	100	nd	nd	nd	nd	nd	nd	nd	nd	18	nd	nd	91	74713
004	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74714
004	5	nd	nd	nd	nd	nd	nd	nd	nd	14	nd	nd	nd	74715
004	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74716
004	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74717
004	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74718
004	35	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74719
004	41	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	70	74720
005	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	76	74721
005	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74722
005	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74723
005	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	76	74724
005	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74725
005	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74726
005	30	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74727
005	40	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74728
005	50	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74	74729
005	60	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74730
005	70	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	71	74731
005	80	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74732
005	90	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	76	74733
005	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	75	74734
005	110	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74735
005	120	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74736
228	0	22	nd	nd	nd	39	nd	nd	nd	nd	nd	nd	nd	74737
228	3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74738
228	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	84	74739
228	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	76	74740
228	40	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	90	74741
228	50	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	96	74742
228	65	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	85	74743
228	80	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74744
228	95	nd	nd	nd	nd	nd	nd	nd	nd	16	nd	nd	83	74745
228	115	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	76	74746
228	135	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	85	74747
212	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74748
212	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74749
212	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74750
212	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	78	74751
212	30	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74752
212	40	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	79	74753
212	50	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	78	74754
212	60	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	73	74755
212	70	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	77	74756
212	80	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	89	74757
212	90	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	85	74758
212	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	81	74759
212	110	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	87	74760
212	120	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74	74761
212	130	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	79	74762

STN	Depth cm	Pb _{WA} %	Pb _{HA} %	Pb _{HHA} %	Pb _R %	Pb _{SUM} %	Pb _T %	Cr _{WA} μgg ⁻¹	Cr _{HA} μgg ⁻¹	Cr _{HHA} μgg ⁻¹	Cr _R μgg ⁻¹	Cr _{SUM} μgg ⁻¹	Cr _T μgg ⁻¹	ID
204	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	80	74763
204	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	81	74764
204	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74765
204	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	72	74766
204	35	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74767
204	45	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	73	74768
204	55	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74	74769
204	65	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74770
204	75	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	75	74771
204	85	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.2	74772
104	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	70	74773
104	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74	74774
104	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	98	74775
104	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	84	74776
104	35	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	80	74777
104	45	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	75	74778
104	55	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	80	74779
104	65	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	92	74780
104	75	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	81	74781
104	85	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	87	74782
104	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	91	74783
104	110	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	85	74784
104	120	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74785
104	130	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	90	74786
104	140	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	87	74787
104	150	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	85	74788
104	160	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	90	74789
104	170	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	91	74790
LG-1	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	81	74791
LG-2	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	84	74792
LG-3	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	83	74793
LG-4	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	90	74794
LG-5	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	85	74795
LG-6	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	80	74796
LG-7	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	100	74797
LG-8	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	78	74798
201	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	75	74799
203	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74800
205	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	89	74801
207	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	84	74802
209	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	92	74803
211	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	77	74804
213	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74805
215	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	94	74806
217	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	94	74807
219	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74808
224	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	71	74809
LG-4	0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	94	74861
LG-4	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	89	74862
LG-4	2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	90	74863
LG-4	3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	74864
LG-4	4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	80	74865
LG-4	9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	79	74866
LG-4	14	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	96	74867
LG-4	19	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	78	74868
LG-4	24	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	90	74869
LG-4	29	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	91	74870
LG-4	39	nd	nd	nd	nd	nd	nd	16	nd	nd	nd	nd	101	74871
LG-4	49	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	76	74872
LG-4	59	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	91	74873
LG-4	69	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	87	74874
LG-4	79	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	96	74875
LG-4	89	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	92	74876
LG-4	99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	105	74877

STN	Depth cm	C _T %	C _{org} %	Si _T %	Al _T %	K _T %	Mg _T %	Li _T %	Hg _T μgg ⁻¹	ID
LG 3	0	2.7	0.9	na*	na*	na*	na*	na*	nd	74701
LG 3	5	2.4	0.8	28.3	6.1	2.6	1.1	38	nd	74702
LG 3	10	2.8	0.8	26.9	6.7	2.3	1.5	na*	nd	74703
LG 3	15	2.3	0.8	25.8	6.2	2.3	1.4	35	nd	74704
LG 3	25	2.3	0.7	28.9	6.6	2.4	1.7	35	nd	74705
LG 3	30	2.2	0.7	26.4	7.6	2.6	1.4	36	nd	74706
LG 3	40	2.4	0.7	23.8	6.6	2.6	1.9	39	nd	74707
LG 3	50	2.4	0.7	25.3	7.5	2.6	1.4	39	nd	74708
LG 3	60	2.6	0.7	24.9	6.7	2.6	1.6	38	nd	74709
LG 3	70	2.4	0.7	25.6	7.2	2.6	2.1	36	nd	74710
LG 3	80	2.7	0.8	25.9	7.3	2.6	1.9	38	nd	74711
LG 3	90	2.7	0.7	25.5	7.2	3.2	1.9	38	nd	74712
LG 3	100	2.5	0.6	26.1	7.2	2.5	2.1	36	nd	74713
004	0	1.5	0.8	29.9	7.0	3.0	1.0	24	nd	74714
004	5	1.4	0.8	28.9	6.9	2.8	1.1	28	nd	74715
004	10	1.4	0.6	29.2	8.1	2.8	1.2	27	nd	74716
004	15	1.3	0.6	31.4	8.6	2.8	1.6	25	nd	74717
004	25	1.3	0.6	30.9	8.8	2.7	1.9	26	nd	74718
004	35	1.3	0.6	30.2	8.6	2.8	1.5	25	nd	74719
004	41	1.0	0.6	30.3	9.3	2.7	1.8	25	nd	74720
005	0	1.5	0.7	30.0	8.2	2.9	1.6	26	nd	74721
005	5	1.4	0.7	29.0	8.3	2.9	1.8	26	nd	74722
005	10	1.5	0.7	28.5	10.1	3.0	1.5	28	nd	74723
005	15	1.4	0.6	28.1	8.6	3.2	1.3	27	nd	74724
005	20	1.3	0.6	28.7	8.2	3.3	1.6	27	nd	74725
005	25	1.4	0.6	27.5	11.2	5.9	1.3	28	nd	74726
005	30	1.4	0.6	26.5	7.7	3.2	1.3	26	nd	74727
005	40	1.3	0.6	27.5	9.7	3.6	1.6	26	nd	74728
005	50	1.2	0.6	27.8	8.7	3.2	1.2	26	nd	74729
005	60	1.3	0.5	31.6	9.2	3.5	1.5	26	nd	74730
005	70	1.2	0.6	32.5	10.0	4.5	1.0	26	nd	74731
005	80	1.3	0.6	32.2	11.4	4.3	1.5	26	nd	74732
005	90	1.5	0.5	28.9	9.0	2.8	1.5	26	nd	74733
005	100	1.4	0.5	29.2	9.8	3.2	1.2	27	nd	74734
005	110	1.3	0.5	29.5	8.5	2.9	1.8	29	nd	74735
005	120	1.0	0.5	29.1	9.5	3.0	1.0	25	nd	74736
228	0	1.5	0.8	28.2	9.9	3.3	1.4	29	nd	74737
228	3	1.4	0.5	28.1	8.9	2.9	1.4	29	nd	74738
228	10	1.2	0.5	29.3	9.8	3.2	1.2	30	nd	74739
228	25	1.3	0.5	26.6	9.2	3.1	1.1	29	nd	74740
228	40	1.3	0.5	29.4	9.8	3.4	1.5	32	nd	74741
228	50	1.1	0.5	30.2	10.2	3.3	1.9	33	nd	74742
228	65	1.4	0.6	30.1	9.5	3.1	1.8	30	nd	74743
228	80	1.5	0.5	26.8	7.5	2.8	1.5	28	nd	74744
228	95	1.4	0.5	30.2	9.8	3.4	2.4	31	nd	74745
228	115	1.5	0.5	28.1	9.8	3.0	2.1	31	nd	74746
228	135	1.5	0.5	29.1	9.4	3.6	2.0	31	nd	74747
212	0	0.8	0.6	31.7	9.5	3.2	1.6	26	nd	74748
212	5	0.7	0.4	29.4	9.1	3.5	1.6	29	nd	74749
212	10	0.7	0.4	32.7	10.0	3.4	1.8	30	nd	74750
212	20	0.8	0.4	27.3	7.9	3.0	1.4	28	nd	74751
212	30	0.3	0.2	27.1	6.9	2.8	1.2	17	nd	74752
212	40	0.8	0.4	27.2	7.5	3.0	1.5	27	nd	74753
212	50	0.8	0.5	25.0	6.5	2.9	1.4	27	nd	74754
212	60	0.7	0.4	26.0	6.3	2.6	1.3	26	nd	74755
212	70	0.7	0.4	27.8	7.8	3.0	1.9	28	nd	74756
212	80	0.8	0.4	26.8	7.5	2.9	1.8	29	nd	74757
212	90	0.9	0.5	27.3	7.2	2.9	1.6	28	nd	74758
212	100	0.9	0.5	28.3	7.5	3.0	1.8	26	nd	74759
212	110	0.9	0.4	26.2	6.7	3.1	1.8	28	nd	74760
212	120	0.9	0.5	25.6	6.0	3.0	1.5	26	nd	74761
212	130	0.9	0.5	27.9	7.7	3.3	2.1	28	nd	74762

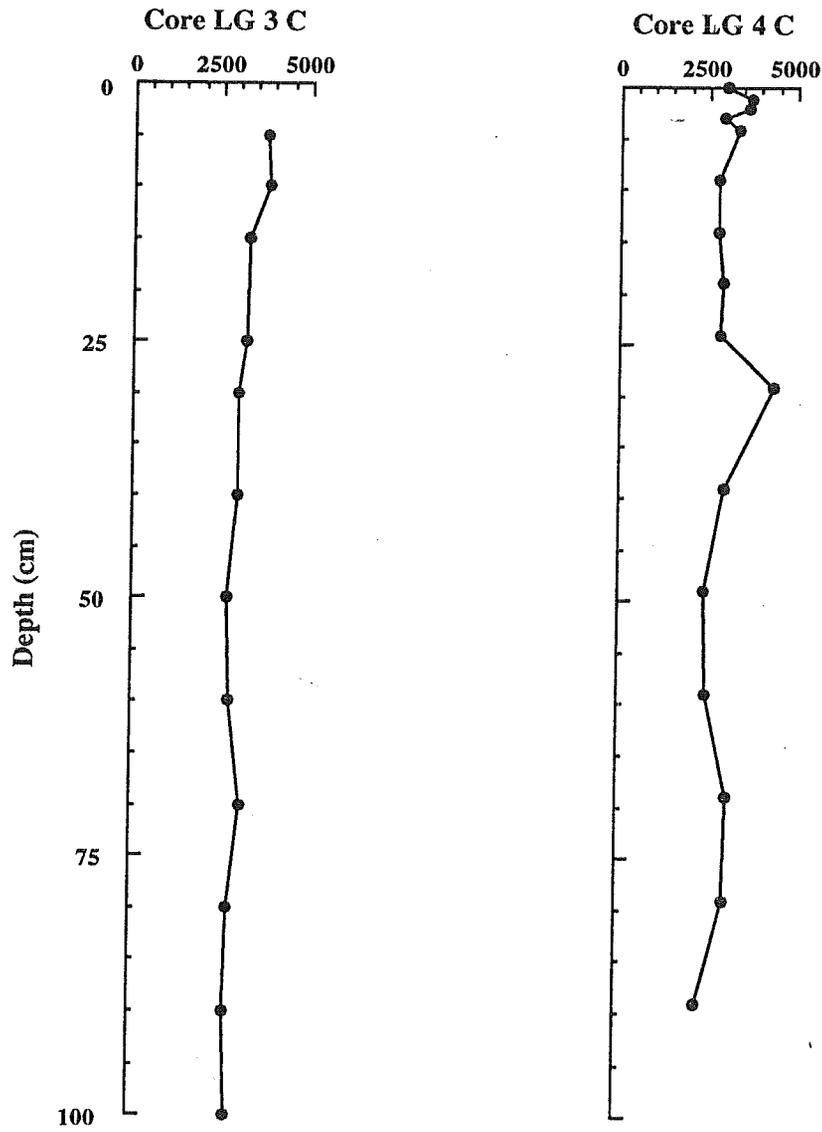
STN	Depth cm	C _T %	C _{org} %	Si _T %	Al _T %	K _T %	Mg _T %	Li _T %	Hg _T μg g ⁻¹	ID
204	0	0.8	0.6	na*	na*	na*	na*	29	nd	74763
204	5	0.6	0.4	28.8	7.5	3.7	1.7	27	nd	74764
204	15	0.7	0.5	29.1	7.8	3.2	2.0	28	nd	74765
204	25	0.7	0.4	29.1	7.3	3.3	2.0	26	nd	74766
204	35	0.7	0.4	29.1	7.0	3.6	1.8	26	nd	74767
204	45	0.7	0.4	28.6	7.5	3.2	1.8	27	nd	74768
204	55	0.6	0.4	28.2	6.7	3.1	1.0	26	nd	74769
204	65	0.6	0.3	27.5	7.6	2.9	1.0	25	nd	74770
204	75	0.7	0.4	27.7	7.5	3.3	1.2	27	nd	74771
204	85	0.7	0.5	29.2	8.4	3.5	1.2	26	nd	74772
104	0	2.8	0.7	24.2	7.8	3.6	2.2	40	nd	74773
104	5	2.7	0.6	24.7	7.5	3.2	2.4	41	nd	74774
104	15	2.7	0.6	24.2	7.0	3.2	2.4	40	nd	74775
104	25	2.6	0.6	24.7	7.7	3.2	2.2	40	nd	74776
104	35	2.6	0.6	25.6	6.5	3.2	2.2	38	nd	74777
104	45	2.4	0.6	24.4	7.4	3.3	2.0	37	nd	74778
104	55	2.4	0.6	26.4	7.1	3.5	2.3	40	nd	74779
104	65	2.4	0.6	27.8	6.7	3.4	2.1	36	nd	74780
104	75	2.4	0.6	26.1	6.1	3.4	2.2	40	nd	74781
104	85	2.4	0.6	26.1	6.9	3.4	2.1	37	nd	74782
104	100	2.4	0.6	25.7	6.8	3.5	1.5	41	nd	74783
104	110	2.3	0.6	26.2	7.2	3.6	2.4	38	nd	74784
104	120	2.3	0.6	26.0	7.6	3.2	2.2	47	nd	74785
104	130	2.3	0.6	25.3	7.7	3.7	2.5	40	nd	74786
104	140	2.4	0.6	23.9	7.4	3.3	2.3	43	nd	74787
104	150	2.3	0.6	24.5	7.6	3.7	2.1	39	nd	74788
104	160	2.3	0.6	23.6	7.6	3.4	2.5	40	nd	74789
104	170	2.3	0.6	24.2	7.5	3.6	2.5	41	nd	74790
LG-1	0	na*	na*	22.7	6.2	2.9	1.5	36	nd	74791
LG-2	0	na*	na*	22.3	5.1	2.6	1.8	23	nd	74792
LG-3	0	na*	na*	27.4	7.3	2.9	2.1	35	nd	74793
LG-4	0	na*	na*	28.1	7.3	2.6	1.6	25	nd	74794
LG-5	0	na*	na*	30.4	6.9	2.4	1.0	19	nd	74795
LG-6	0	na*	na*	30.8	7.1	2.3	0.9	18	nd	74796
LG-7	0	na*	na*	23.7	6.0	2.3	1.3	32	nd	74797
LG-8	0	na*	na*	25.6	6.6	2.8	2.0	32	nd	74798
201	0	na*	na*	29.8	8.0	3.3	1.4	26	na*	74799
203	0	na*	na*	30.2	8.3	3.4	1.6	28	na*	74800
205	0	na*	na*	29.6	7.3	3.2	1.2	27	na*	74801
207	0	na*	na*	29.8	7.8	3.6	1.4	28	na*	74802
209	0	na*	na*	26.8	7.8	3.0	1.3	24	na*	74803
211	0	na*	na*	27.9	8.0	3.2	1.2	22	na*	74804
213	0	na*	na*	26.9	7.3	3.2	1.4	13	na*	74805
215	0	na*	na*	25.3	7.6	3.6	1.5	29	na*	74806
217	0	na*	na*	26.8	7.9	3.4	1.7	29	na*	74807
219	0	na*	na*	26.6	6.6	2.7	0.9	13	na*	74808
224	0	na*	na*	26.1	6.7	2.7	0.9	12	na*	74809
LG-4	0	na*	na*	22.4	6.2	2.5	1.5	28	nd	74861
LG-4	1	na*	na*	24.8	7.0	3.1	1.6	28	nd	74862
LG-4	2	na*	na*	22.4	7.0	2.6	1.8	27	nd	74863
LG-4	3	na*	na*	20.9	5.6	2.8	1.4	13	nd	74864
LG-4	4	na*	na*	21.4	5.6	2.7	1.4	27	nd	74865
LG-4	9	na*	na*	23.3	5.9	2.7	1.6	27	nd	74866
LG-4	14	na*	na*	22.2	5.6	2.6	1.6	30	nd	74867
LG-4	19	na*	na*	26.4	5.8	2.4	1.4	25	nd	74868
LG-4	24	na*	na*	27.9	6.3	2.7	1.6	29	nd	74869
LG-4	29	na*	na*	26.1	6.4	2.6	1.5	29	nd	74870
LG-4	39	na*	na*	27.7	6.9	2.7	1.6	32	nd	74871
LG-4	49	na*	na*	35.0	7.4	2.8	1.6	36	nd	74872
LG-4	59	na*	na*	33.3	7.3	2.7	1.4	29	nd	74873
LG-4	69	na*	na*	35.7	7.5	2.8	1.4	28	nd	74874
LG-4	79	na*	na*	35.8	7.3	3.1	1.5	25	nd	74875
LG-4	89	na*	na*	33.2	6.9	2.9	1.7	29	nd	74876
LG-4	99	na*	na*	29.2	7.6	2.8	1.6	31	na*	74877

STN	Depth cm	Sand %	Silt %	Clay %	Mean-grain-size		Kurtosis	Skewness	ID
					μm	ϕ			
LG 3	0	0.1	40.8	59.1	3.2	8.3 \pm 1.5	2.4	-0.3	74701
LG 3	5	0.4	49.2	50.4	3.9	8.0 \pm 1.6	2.5	-0.2	74702
LG 3	10	0.4	49.1	50.6	3.8	8.0 \pm 1.6	2.5	-0.2	74703
LG 3	15	0.1	54.3	45.6	4.2	7.9 \pm 1.6	2.3	0.0	74704
LG 3	25	0.1	50.2	49.7	3.9	8.0 \pm 1.6	2.4	-0.1	74705
LG 3	30	0.3	52.8	46.9	4.1	7.9 \pm 1.6	2.4	-0.1	74706
LG 3	40	0.5	47.1	52.4	3.6	8.1 \pm 1.6	2.6	-0.3	74707
LG 3	50	0.6	47.1	52.4	3.8	8.0 \pm 1.6	2.6	-0.3	74708
LG 3	60	0.1	38.2	61.7	3.0	8.4 \pm 1.5	2.5	-0.4	74709
LG 3	70	0.5	41.9	57.6	3.3	8.3 \pm 1.5	2.6	-0.3	74710
LG 3	80	3.6	60.5	35.9	7.3	7.1 \pm 2.0	1.8	0.2	74711
LG 3	90	0.0	41.3	57.7	3.2	8.3 \pm 1.5	2.4	-0.3	74712
LG 3	100	0.1	48.6	51.3	3.8	8.1 \pm 1.6	2.5	-0.2	74713
004	0	0.7	60.8	38.6	6.4	7.3 \pm 1.9	1.8	0.2	74714
004	5	0.5	67.1	32.4	7.4	7.1 \pm 1.8	2.0	0.4	74715
004	10	0.0	63.6	36.4	6.6	7.2 \pm 1.8	1.9	0.3	74716
004	15	0.0	64.0	36.0	6.6	7.2 \pm 1.8	1.9	0.3	74717
004	25	0.0	66.5	33.5	7.0	7.2 \pm 1.8	2.0	0.4	74718
004	35	0.0	67.2	32.8	6.9	7.2 \pm 1.8	2.0	0.4	74719
004	41	0.5	72.2	27.4	8.4	6.9 \pm 1.8	2.3	0.6	74720
005	0	0.6	66.3	33.1	7.7	7.0 \pm 2.0	1.9	0.4	74721
005	5	0.5	69.5	30.0	8.1	7.0 \pm 1.8	2.1	0.5	74722
005	10	0.2	69.2	30.6	7.8	7.0 \pm 1.8	2.1	0.5	74723
005	15	0.4	70.5	29.1	8.4	6.9 \pm 1.8	2.2	0.5	74724
005	20	0.5	70.4	29.1	8.4	6.9 \pm 1.9	2.1	0.5	74725
005	25	0.9	72.7	26.4	8.9	6.8 \pm 1.8	2.3	0.6	74726
005	30	0.5	67.8	31.7	7.4	7.1 \pm 1.8	2.1	0.4	74727
005	40	0.1	65.0	34.9	7.1	7.1 \pm 1.8	1.9	0.3	74728
005	50	0.3	66.9	32.8	7.0	7.2 \pm 1.7	2.1	0.4	74729
005	60	1.0	70.3	28.8	8.0	7.0 \pm 1.7	2.3	0.4	74730
005	70	0.4	66.1	33.6	6.9	7.2 \pm 1.8	2.1	0.3	74731
005	80	0.5	68.1	31.5	7.2	7.1 \pm 1.8	2.2	0.3	74732
005	90	0.4	71.7	28.0	8.4	6.9 \pm 1.8	2.2	0.5	74733
005	100	1.0	63.7	35.4	7.1	7.1 \pm 1.9	1.9	0.2	74734
005	110	1.4	71.0	27.5	8.8	6.8 \pm 1.9	2.2	0.5	74735
005	120	0.8	65.5	33.6	7.7	7.0 \pm 1.9	1.9	0.3	74736
228	0	0.2	64.3	35.5	6.5	7.3 \pm 1.8	2.0	0.3	74737
228	3	0.7	59.0	40.4	5.9	7.4 \pm 1.9	1.9	0.1	74738
228	10	0.4	63.2	36.5	6.4	7.3 \pm 1.8	2.0	0.2	74739
228	25	0.4	55.1	44.6	5.2	7.6 \pm 1.9	1.9	-0.0	74740
228	40	0.4	56.0	43.7	5.2	7.6 \pm 1.8	1.9	-0.0	74741
228	50	0.2	60.8	39.1	5.8	7.4 \pm 1.8	2.0	0.1	74742
228	65	0.0	60.5	39.5	5.5	7.5 \pm 1.7	2.0	0.2	74743
228	80	0.1	60.6	39.4	5.8	7.4 \pm 1.8	2.0	0.1	74744
228	95	1.3	57.4	41.3	5.7	7.5 \pm 1.9	2.0	-0.0	74745
228	115	0.8	62.9	36.3	6.2	7.3 \pm 1.7	2.1	0.1	74746
228	135	0.6	63.3	36.1	6.2	7.3 \pm 1.8	2.1	0.2	74747
212	0	0.0	53.9	46.1	4.9	7.7 \pm 1.8	1.9	-0.0	74748
212	5	0.0	62.7	37.3	5.9	7.4 \pm 1.8	2.0	0.2	74749
212	10	0.0	62.3	37.7	5.9	7.4 \pm 1.8	1.9	0.2	74750
212	20	0.3	61.6	38.2	5.8	7.4 \pm 1.8	2.1	0.2	74751
212	30	0.0	59.6	40.4	5.4	7.5 \pm 1.8	2.0	0.1	74752
212	40	0.5	58.7	40.8	5.3	7.6 \pm 1.8	2.0	0.1	74753
212	50	0.2	59.3	40.5	5.5	7.5 \pm 1.8	2.0	0.1	74754
212	60	0.1	57.6	42.3	5.5	7.5 \pm 1.9	1.8	0.1	74755
212	70	0.3	53.3	46.4	4.8	7.7 \pm 1.8	2.0	-0.1	74756
212	80	0.6	52.4	47.0	4.8	7.7 \pm 1.8	2.0	-0.1	74757
212	90	0.3	65.5	34.2	6.6	7.2 \pm 1.8	2.1	0.3	74758
212	100	0.0	62.8	37.2	5.9	7.4 \pm 1.8	2.0	0.2	74759
212	110	0.0	61.0	39.0	5.5	7.5 \pm 1.7	2.0	0.2	74760
212	120	0.2	58.9	40.9	5.4	7.5 \pm 1.8	1.9	0.1	74761
212	130	0.5	60.9	38.6	5.6	7.5 \pm 1.7	2.1	0.1	74762

STN	Depth cm	Sand %	Silt %	Clay %	Mean-grain-size		Kurtosis	Skewness	ID
					μm	ϕ			
204	0	0.2	48.2	51.6	4.1	7.9 \pm 1.7	2.2	-0.2	74763
204	5	0.1	45.8	54.1	3.7	8.1 \pm 1.6	2.2	-0.2	74764
204	15	0.5	48.9	50.6	4.3	7.9 \pm 1.7	2.2	-0.2	74765
204	25	0.9	57.6	41.5	5.6	7.5 \pm 1.8	2.0	-0.0	74766
204	35	0.7	53.7	45.6	4.9	7.7 \pm 1.8	2.0	-0.1	74767
204	45	0.2	56.8	43.0	5.2	7.6 \pm 1.7	2.0	0.0	74768
204	55	0.1	56.2	43.7	5.1	7.6 \pm 1.7	2.0	-0.0	74769
204	65	0.3	58.9	40.7	5.7	7.5 \pm 1.8	1.9	0.1	74770
204	75	0.9	60.1	39.0	6.2	7.3 \pm 1.9	1.9	0.1	74771
204	85	1.2	55.9	42.9	5.5	7.5 \pm 1.8	2.0	-0.1	74772
104	0	0.4	32.1	67.5	2.9	8.4 \pm 1.5	3.4	-0.8	74773
104	5	0.9	32.4	66.7	3.1	8.3 \pm 1.6	3.2	-0.8	74774
104	15	0.2	37.1	62.7	3.2	8.3 \pm 1.5	2.9	-0.6	74775
104	25	0.0	30.5	69.5	2.8	8.5 \pm 1.4	3.1	-0.6	74776
104	35	0.2	34.9	64.9	3.1	8.4 \pm 1.5	3.2	-0.7	74777
104	45	0.5	33.4	66.1	3.0	8.4 \pm 1.5	3.3	-0.7	74778
104	55	0.7	33.0	66.3	3.0	8.4 \pm 1.5	3.5	-0.8	74779
104	65	0.2	28.1	71.7	2.6	8.6 \pm 1.4	3.6	-0.7	74780
104	75	0.2	30.9	69.0	2.8	8.5 \pm 1.4	3.5	-0.7	74781
104	85	0.2	31.8	68.0	2.9	8.4 \pm 1.5	3.4	-0.8	74782
104	100	0.0	31.6	68.4	2.8	8.5 \pm 1.4	3.3	-0.6	74783
104	110	0.2	31.8	68.0	2.8	8.5 \pm 1.4	3.5	-0.7	74784
104	120	0.0	31.0	69.1	2.7	8.5 \pm 1.4	3.4	-0.6	74785
104	130	0.0	27.7	72.3	2.5	8.6 \pm 1.3	3.4	-0.6	74786
104	140	0.1	31.5	68.5	2.8	8.5 \pm 1.4	3.5	-0.7	74787
104	150	0.2	25.1	74.8	2.4	8.7 \pm 1.3	4.1	-0.8	74788
104	160	0.0	28.9	71.1	2.7	8.6 \pm 1.4	3.8	-0.8	74789
104	170	0.0	30.5	69.5	2.7	8.5 \pm 1.3	3.5	-0.7	74790
LG-1	0	na*	na*	na*	na*	na* na*	na*	na*	74791
LG-2	0	na*	na*	na*	na*	na* na*	na*	na*	74792
LG-3	0	na*	na*	na*	na*	na* na*	na*	na*	74793
LG-4	0	na*	na*	na*	na*	na* na*	na*	na*	74794
LG-5	0	na*	na*	na*	na*	na* na*	na*	na*	74795
LG-6	0	na*	na*	na*	na*	na* na*	na*	na*	74796
LG-7	0	na*	na*	na*	na*	na* na*	na*	na*	74797
LG-8	0	na*	na*	na*	na*	na* na*	na*	na*	74798
201	0	na*	na*	na*	na*	na* na*	na*	na*	74799
203	0	na*	na*	na*	na*	na* na*	na*	na*	74800
205	0	na*	na*	na*	na*	na* na*	na*	na*	74801
207	0	na*	na*	na*	na*	na* na*	na*	na*	74802
209	0	na*	na*	na*	na*	na* na*	na*	na*	74803
211	0	na*	na*	na*	na*	na* na*	na*	na*	74804
213	0	na*	na*	na*	na*	na* na*	na*	na*	74805
215	0	na*	na*	na*	na*	na* na*	na*	na*	74806
217	0	na*	na*	na*	na*	na* na*	na*	na*	74807
219	0	na*	na*	na*	na*	na* na*	na*	na*	74808
224	0	na*	na*	na*	na*	na* na*	na*	na*	74809
LG-4	0	na*	na*	na*	na*	na* na*	na*	na*	74861
LG-4	1	na*	na*	na*	na*	na* na*	na*	na*	74862
LG-4	2	na*	na*	na*	na*	na* na*	na*	na*	74863
LG-4	3	na*	na*	na*	na*	na* na*	na*	na*	74864
LG-4	4	na*	na*	na*	na*	na* na*	na*	na*	74865
LG-4	9	na*	na*	na*	na*	na* na*	na*	na*	74866
LG-4	14	na*	na*	na*	na*	na* na*	na*	na*	74867
LG-4	19	na*	na*	na*	na*	na* na*	na*	na*	74868
LG-4	24	na*	na*	na*	na*	na* na*	na*	na*	74869
LG-4	29	na*	na*	na*	na*	na* na*	na*	na*	74870
LG-4	39	na*	na*	na*	na*	na* na*	na*	na*	74871
LG-4	49	na*	na*	na*	na*	na* na*	na*	na*	74872
LG-4	59	na*	na*	na*	na*	na* na*	na*	na*	74873
LG-4	69	na*	na*	na*	na*	na* na*	na*	na*	74874
LG-4	79	na*	na*	na*	na*	na* na*	na*	na*	74875
LG-4	89	na*	na*	na*	na*	na* na*	na*	na*	74876
LG-4	99	na*	na*	na*	na*	na* na*	na*	na*	74877

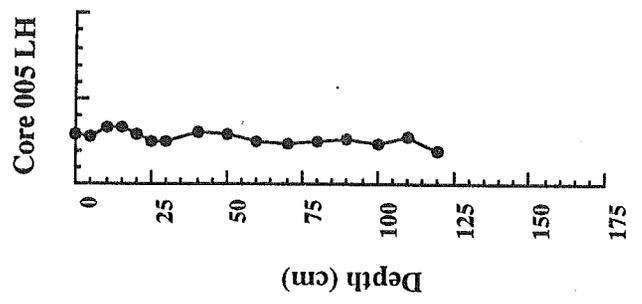
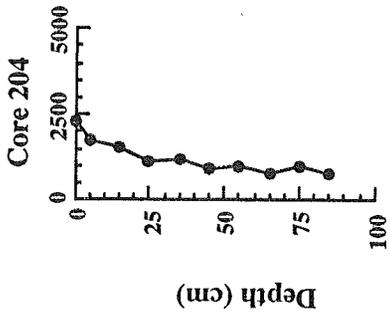
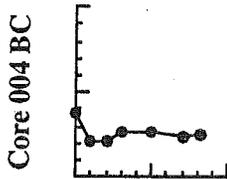
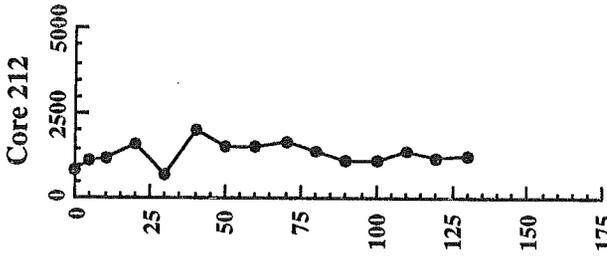
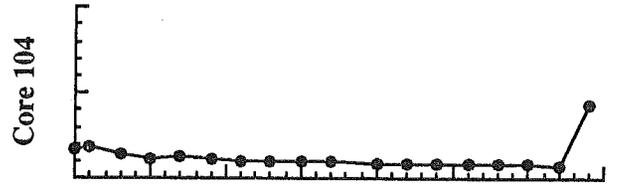
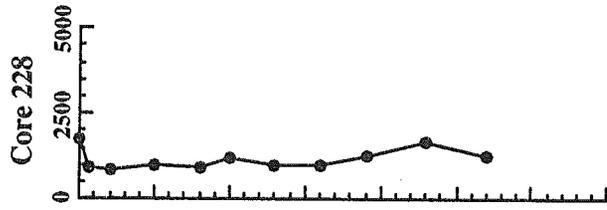
IRON
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



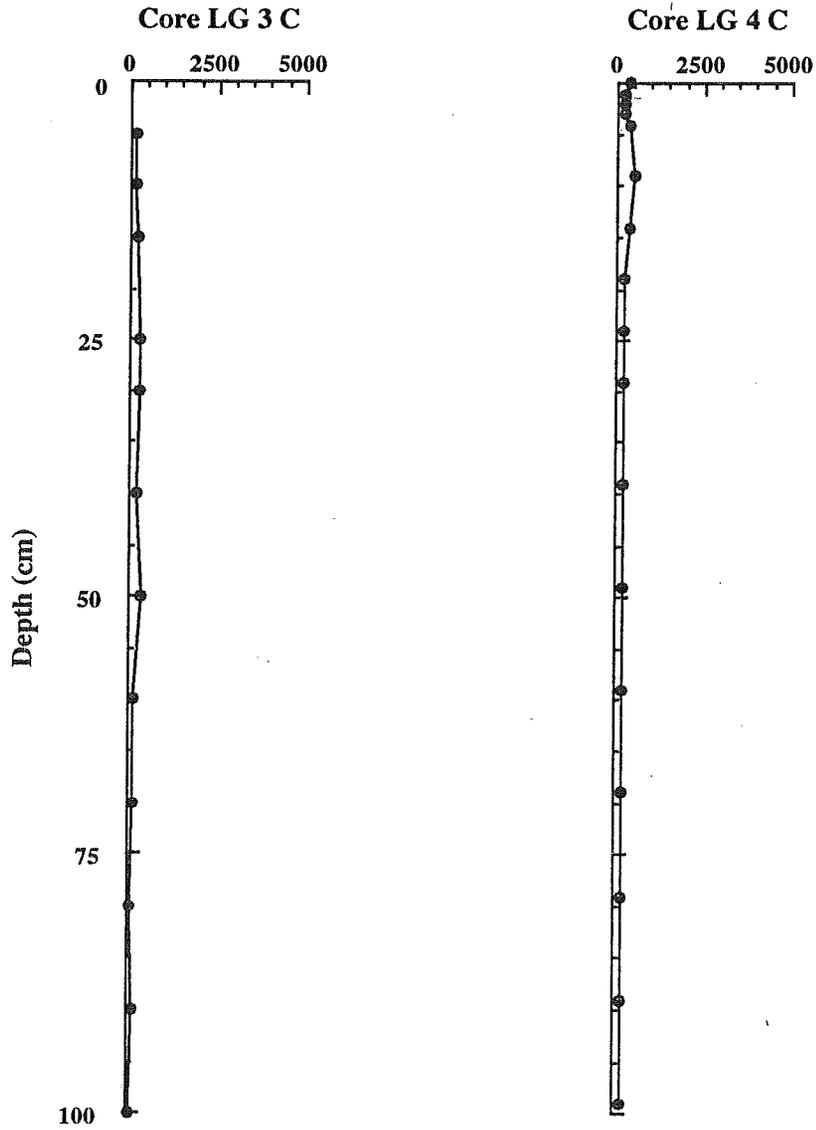
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

IRON
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



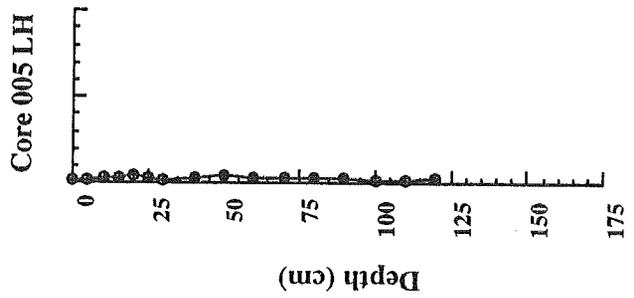
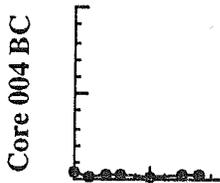
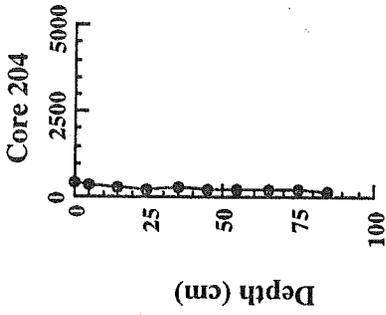
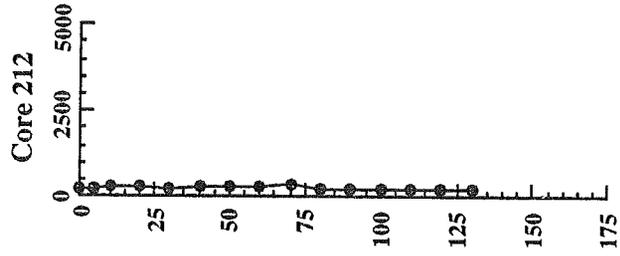
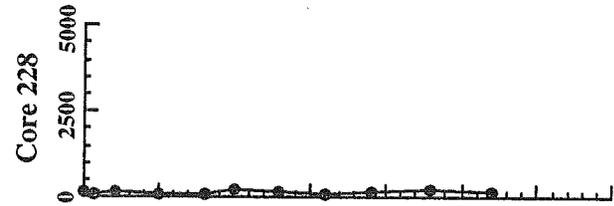
IRON
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



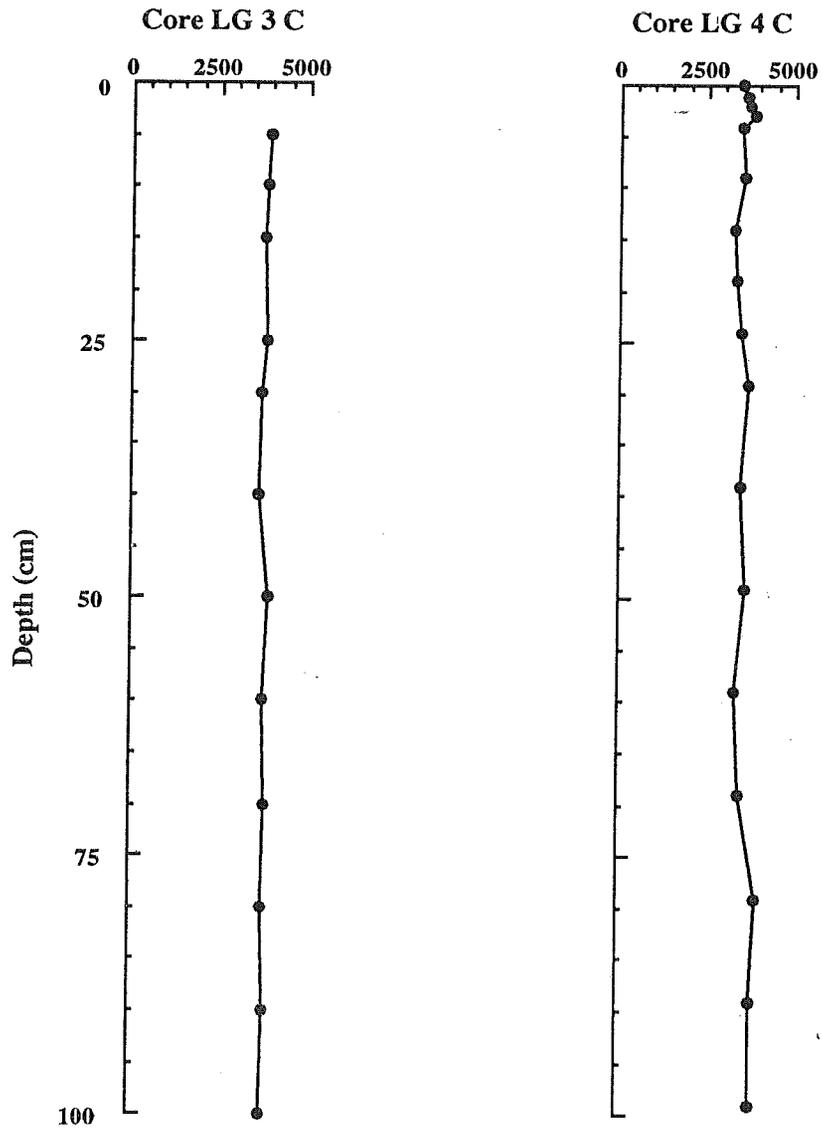
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

IRON
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



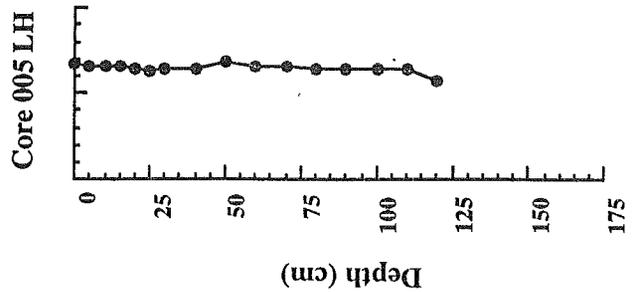
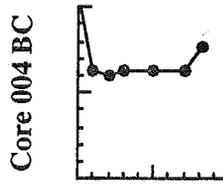
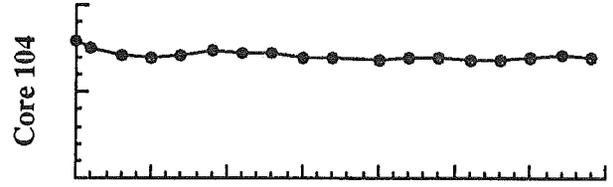
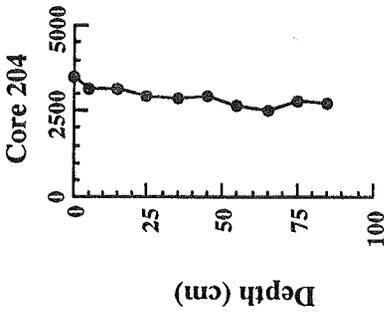
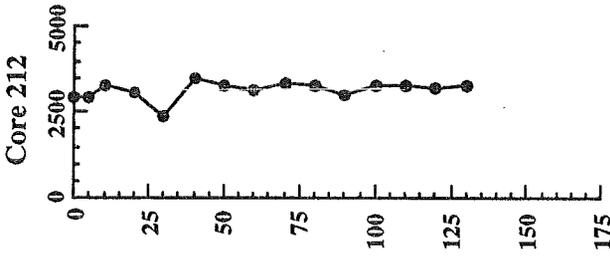
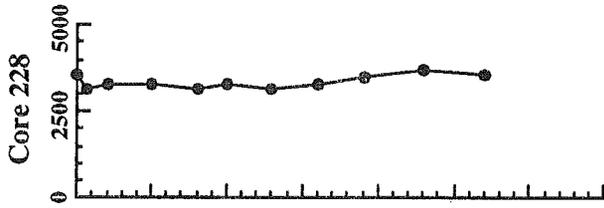
IRON
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



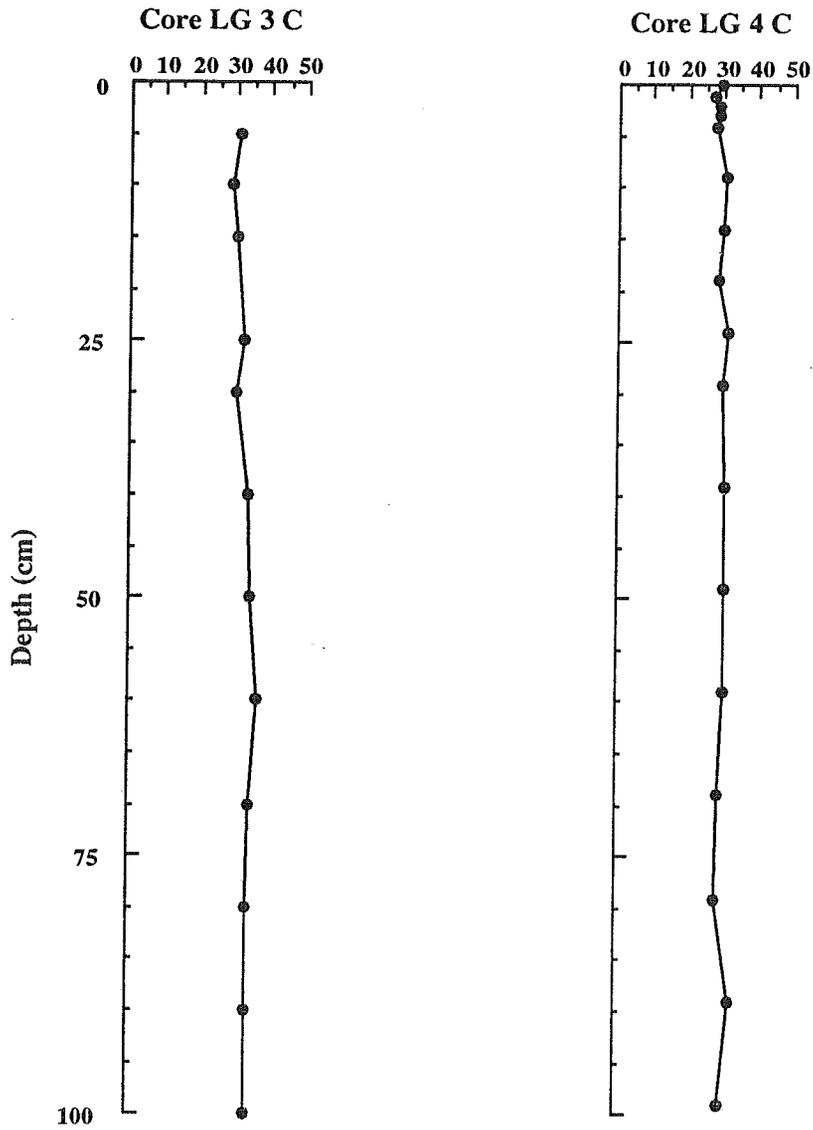
GRANDE BALEINE DELTA AND MANITOUNUK SOUND CORES

IRON (heated hydroxylamine leach) ($\mu\text{g} \cdot \text{g}^{-1}$)



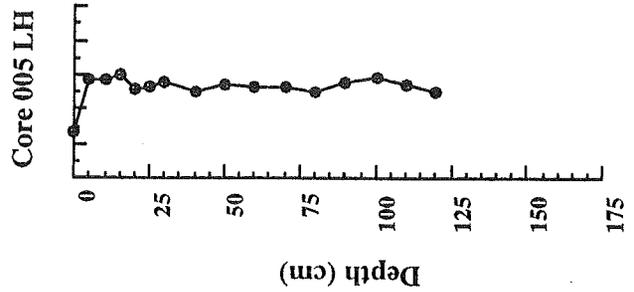
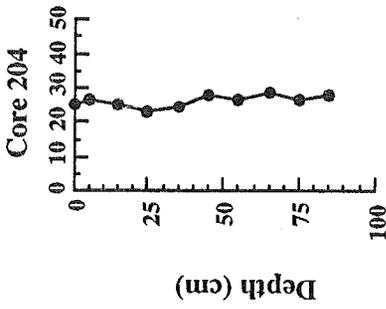
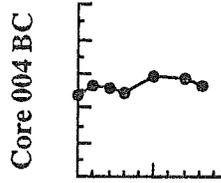
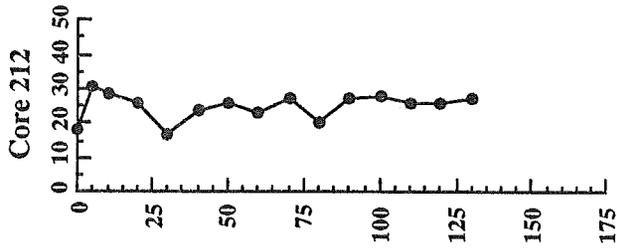
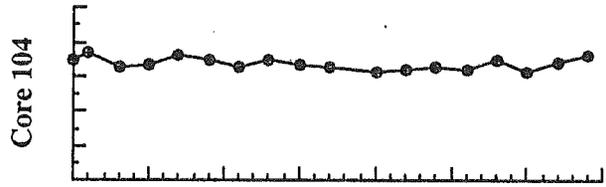
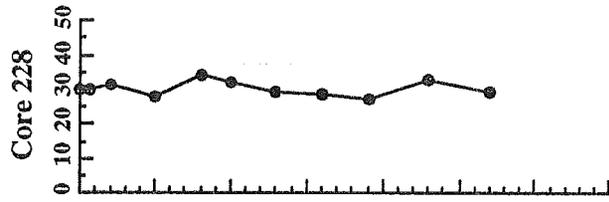
IRON
(residual)
($\mu\text{g} \cdot \text{g}^{-1} \times 10^3$)

LA GRANDE
CORES



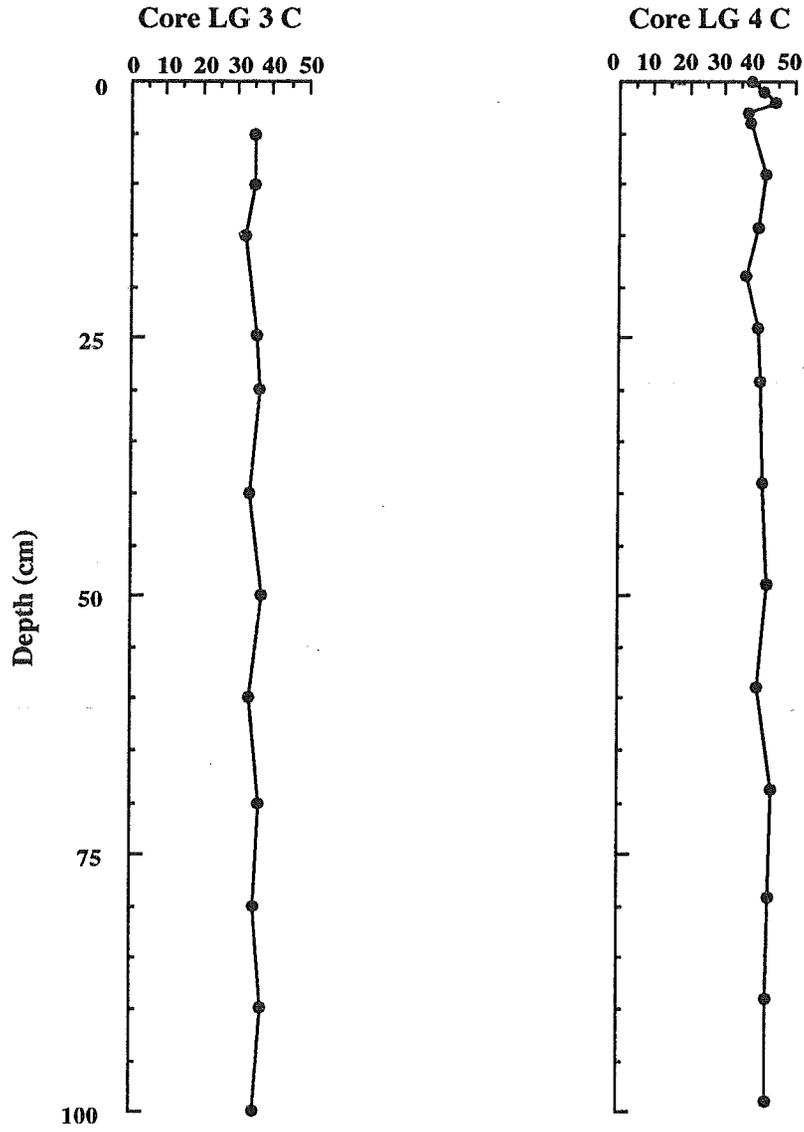
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

IRON
(residual)
($\mu\text{g} \cdot \text{g}^{-1} \times 10^3$)



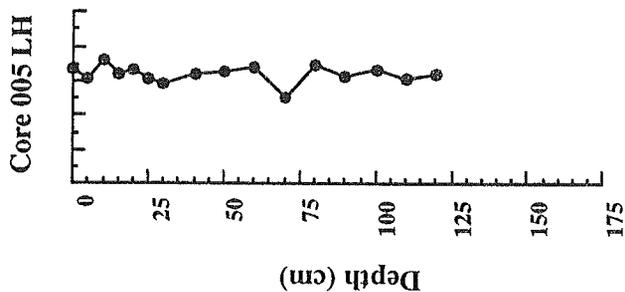
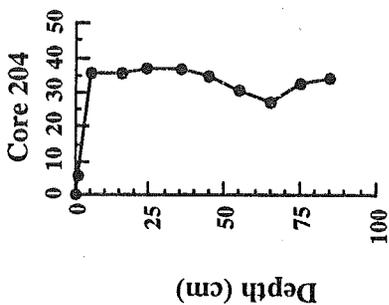
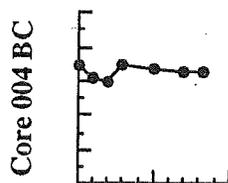
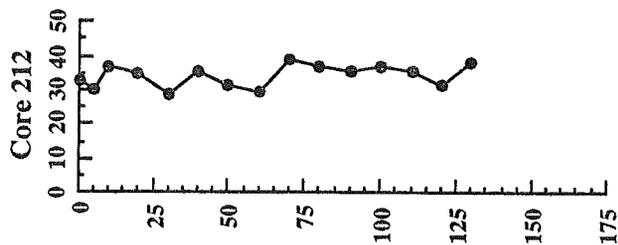
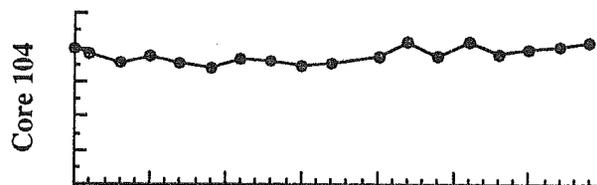
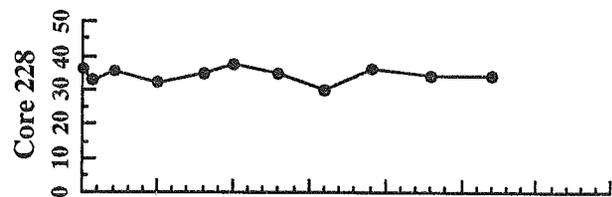
IRON
(total)
($\mu\text{g} \cdot \text{g}^{-1} \times 10^3$)

LA GRANDE
CORES



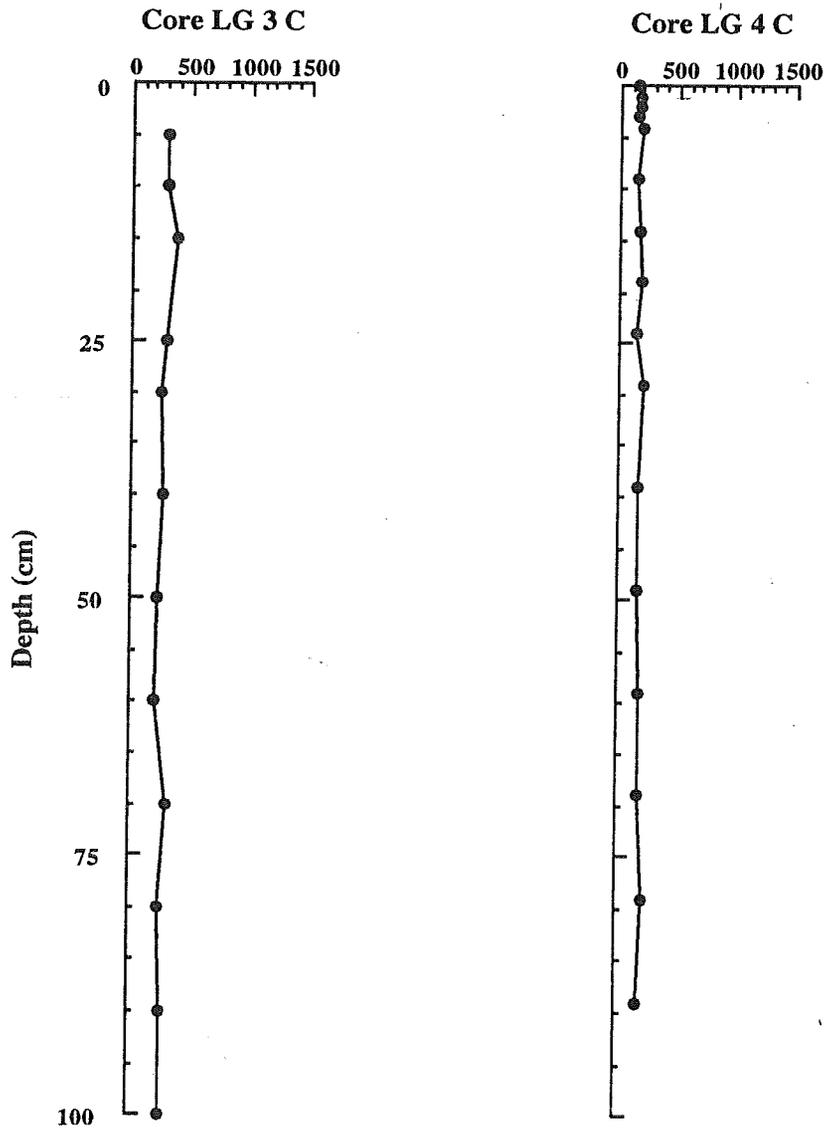
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

IRON
(total)
($\mu\text{g} \cdot \text{g}^{-1} \times 10^3$)



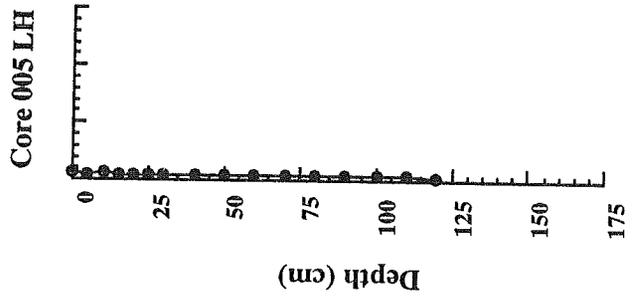
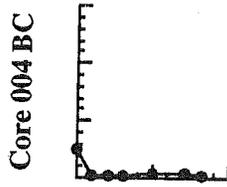
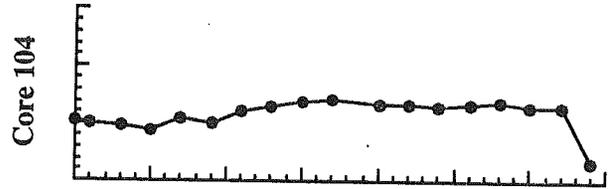
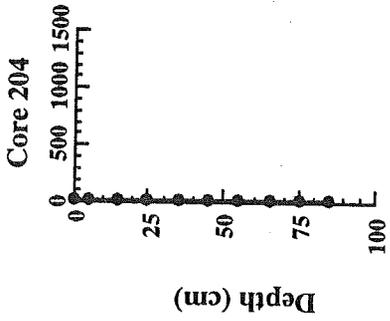
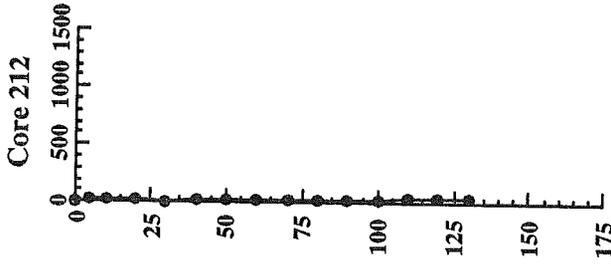
MANGANESE
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



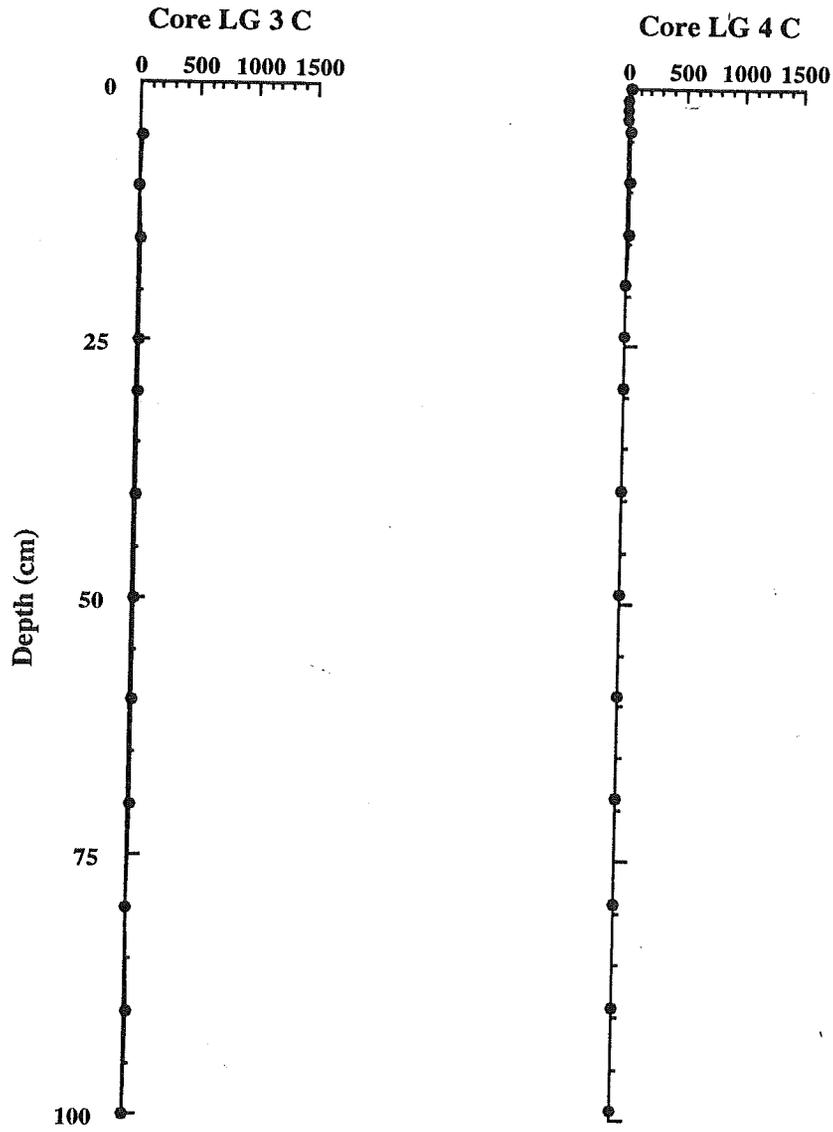
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

MANGANESE
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



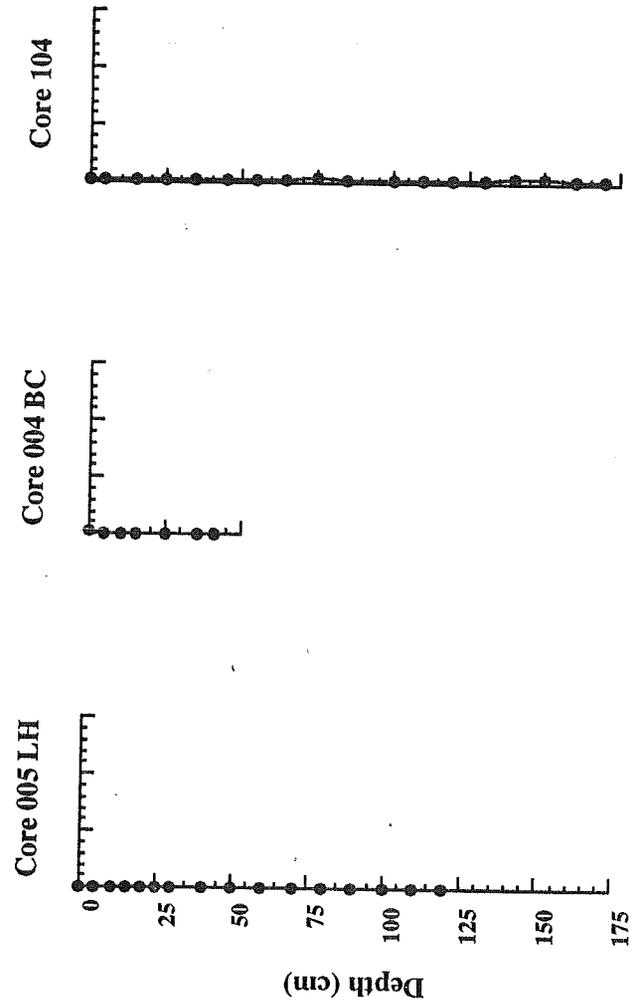
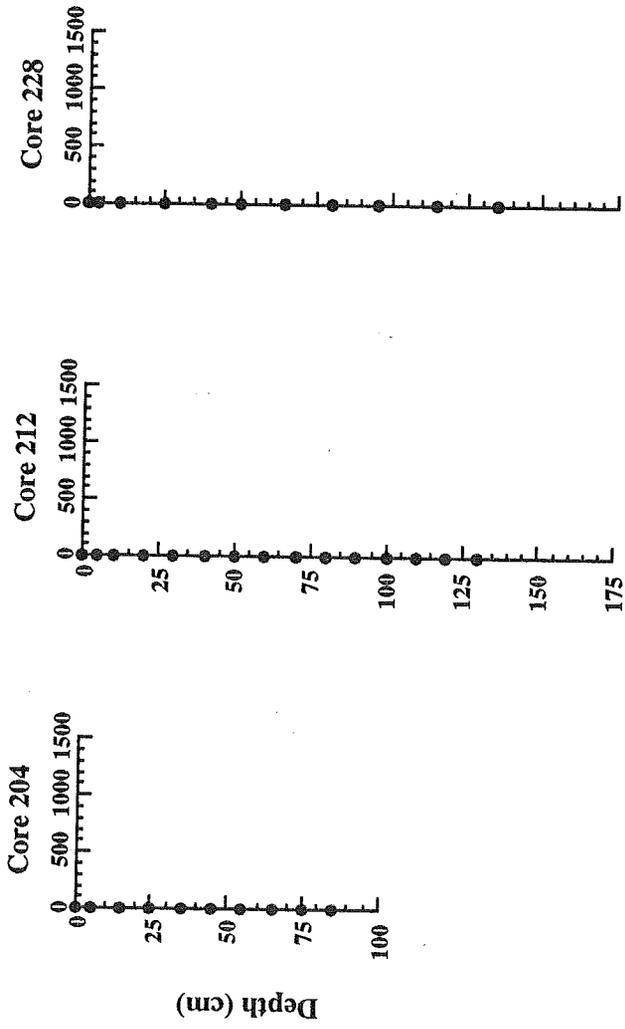
MANGANESE
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



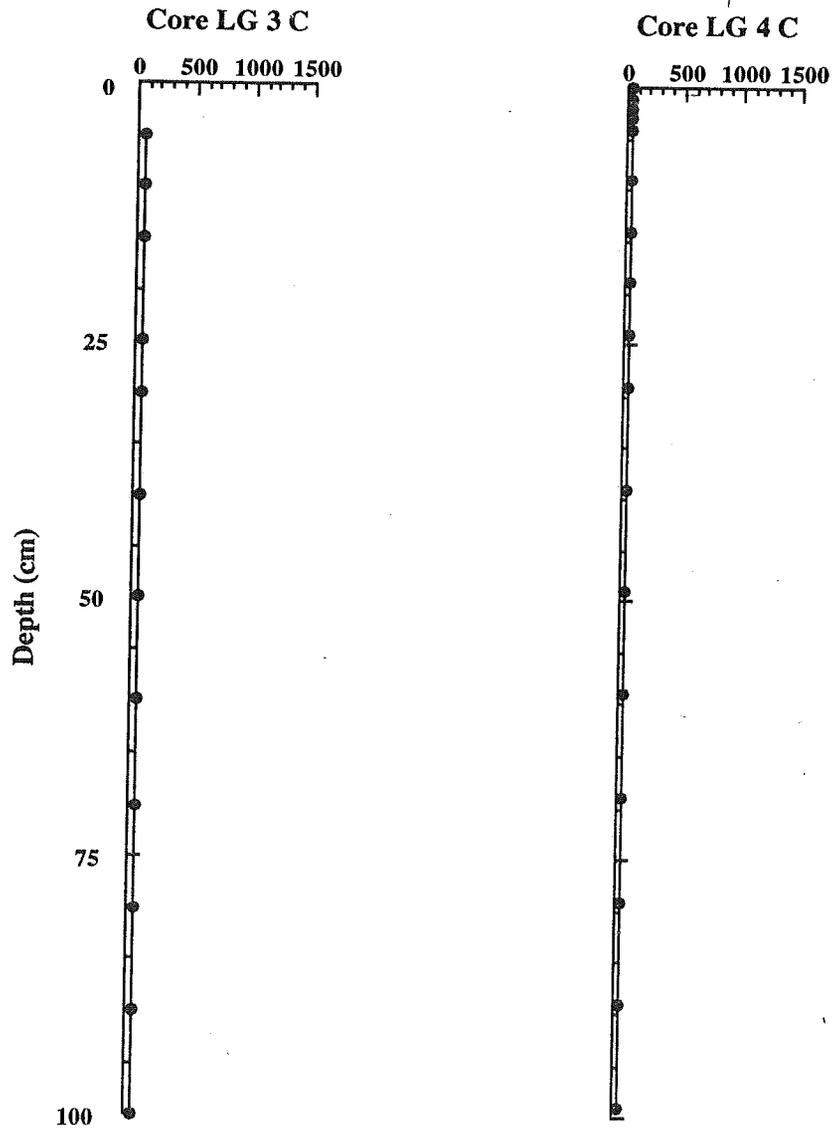
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

MANGANESE
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



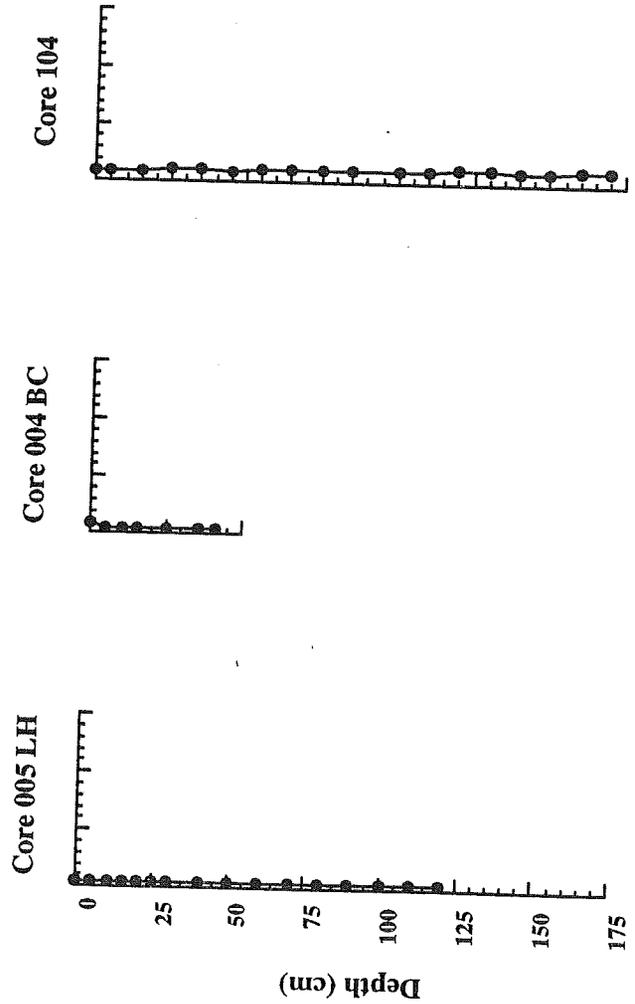
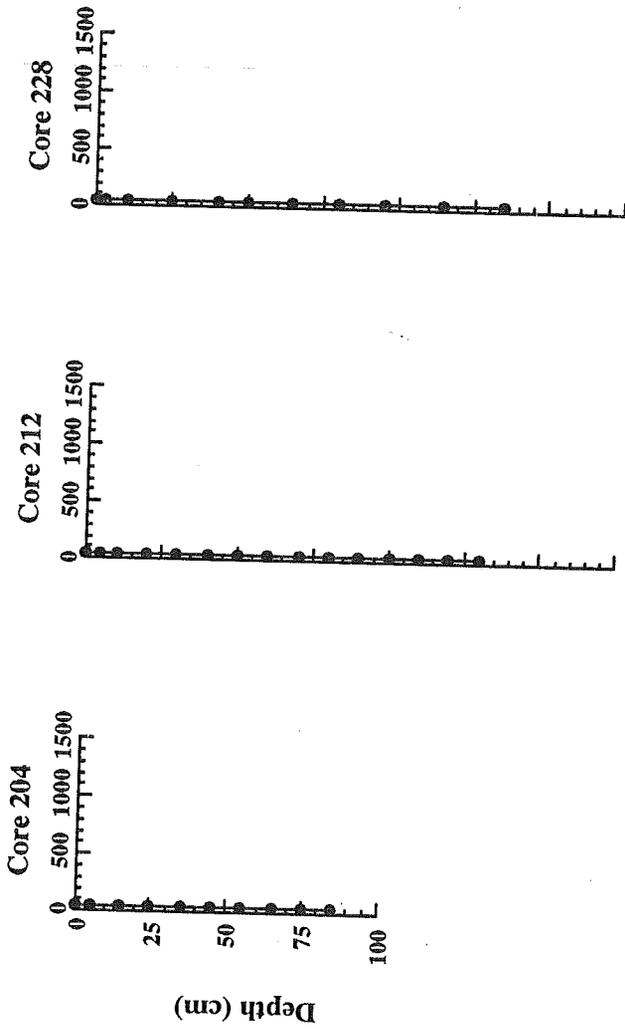
MANGANESE
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



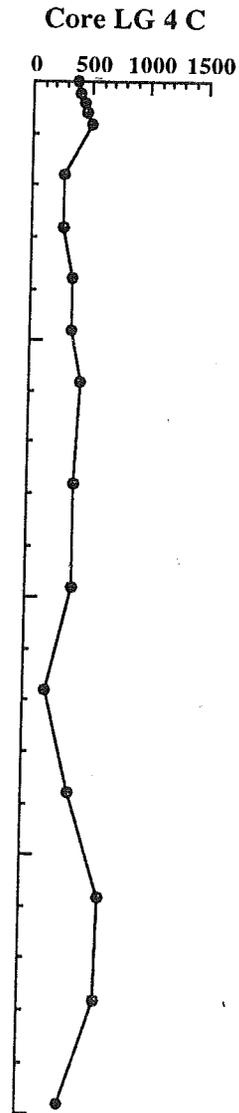
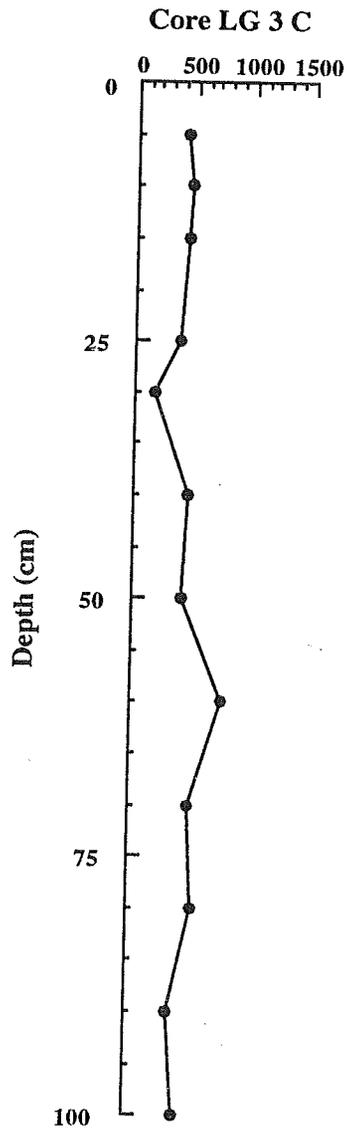
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

MANGANESE
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



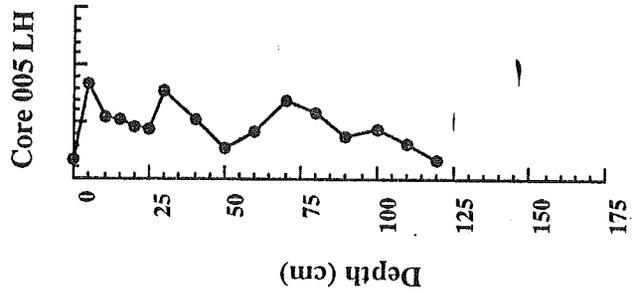
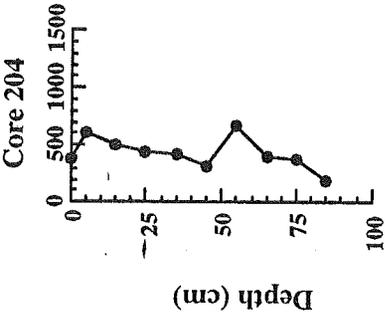
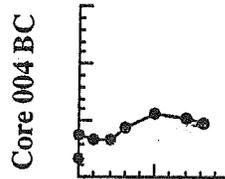
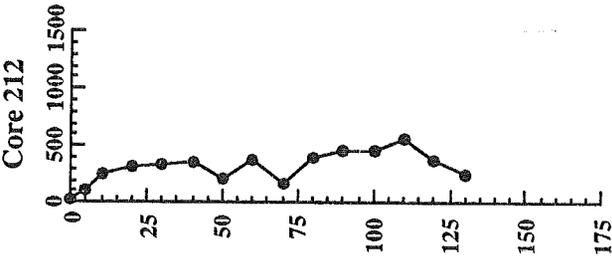
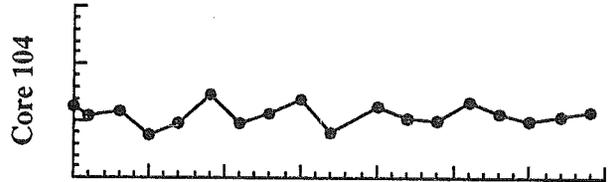
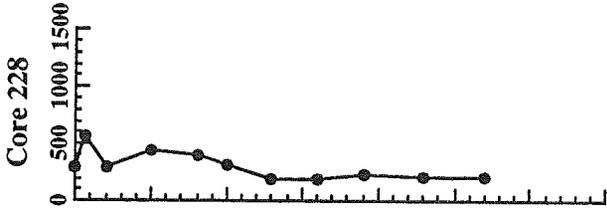
MANGANESE
(residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



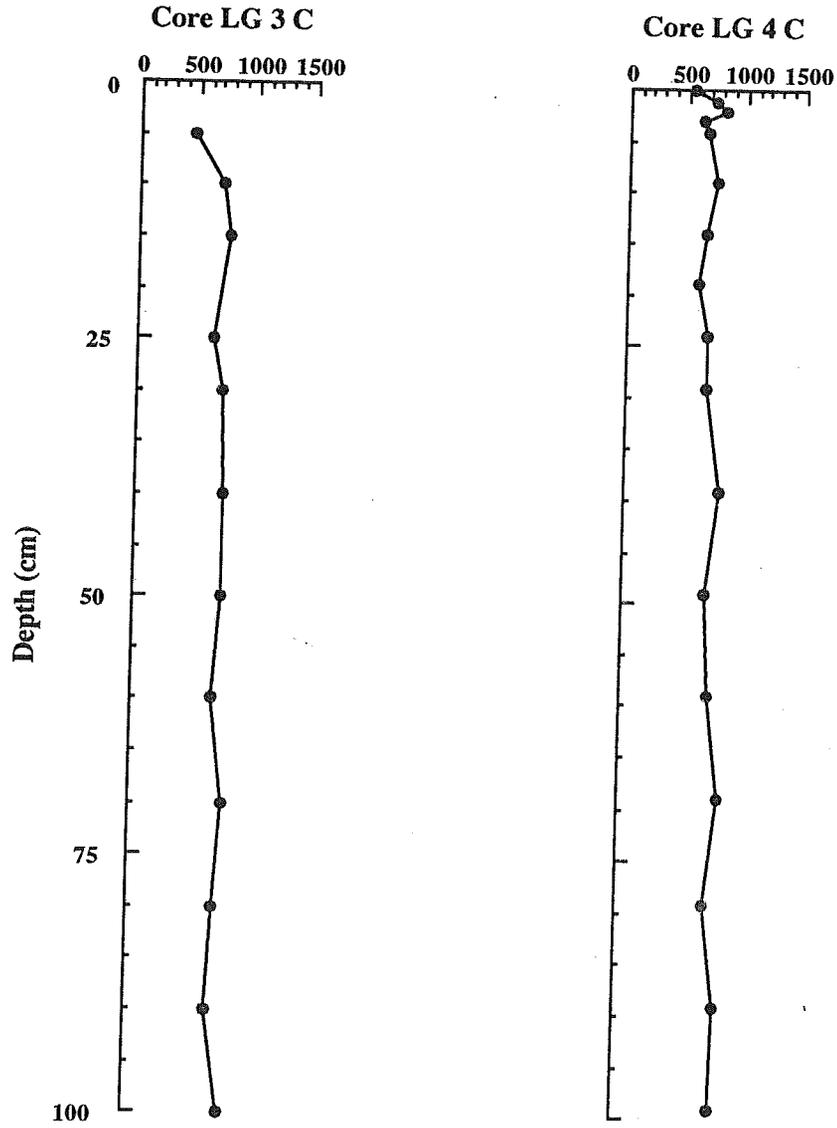
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

MANGANESE
(residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



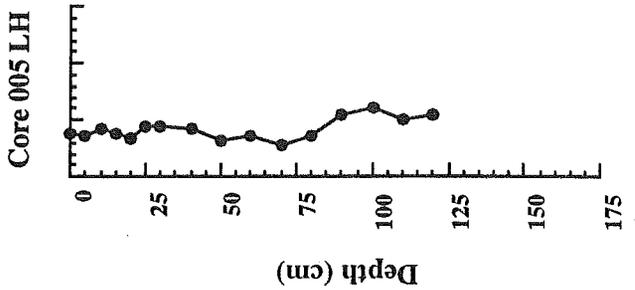
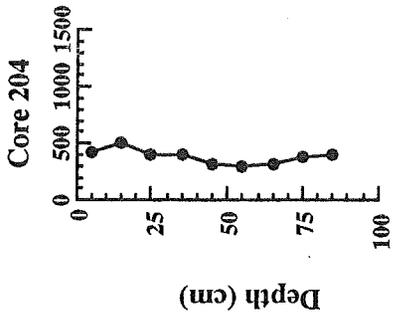
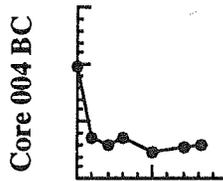
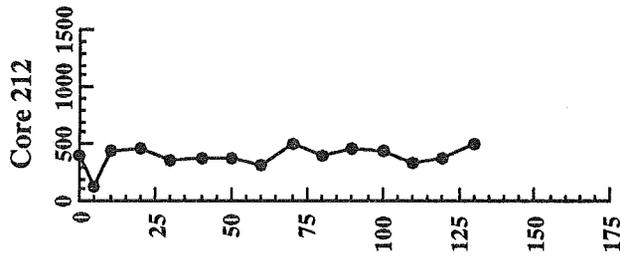
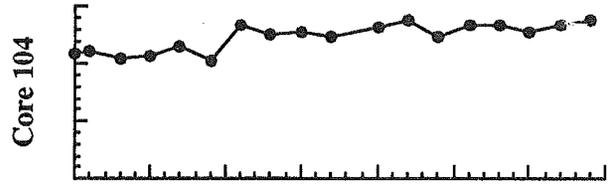
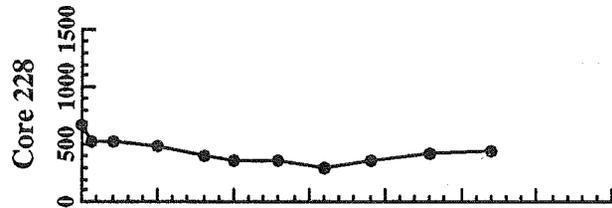
MANGANESE
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



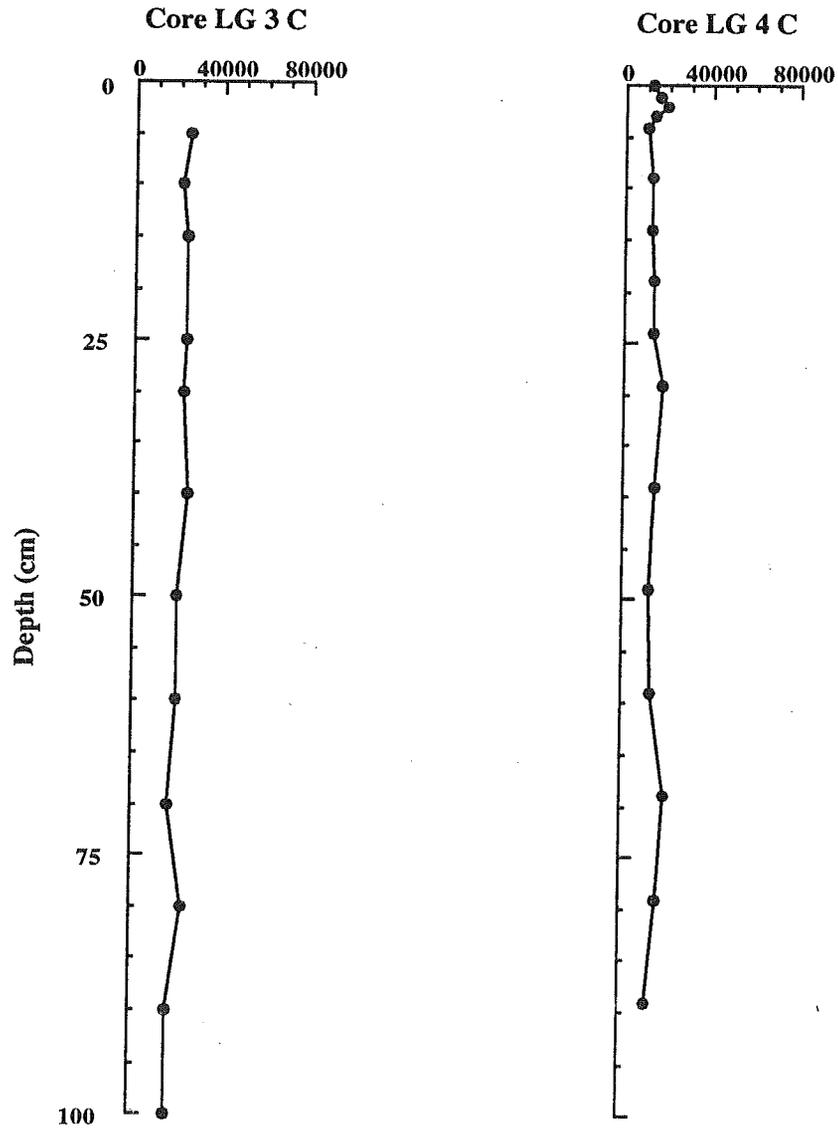
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

MANGANESE
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



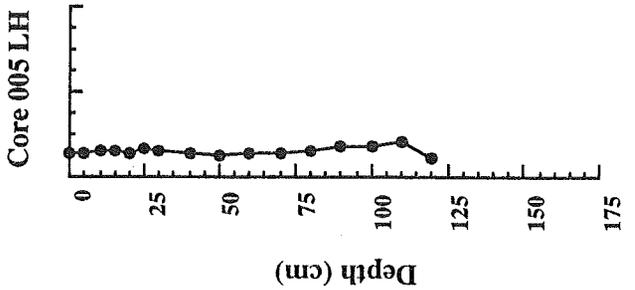
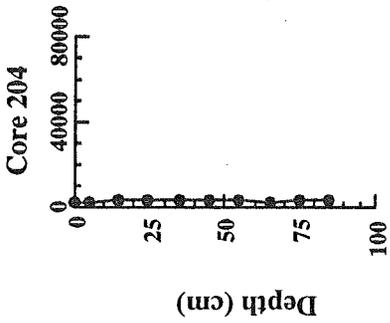
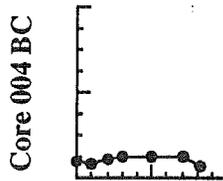
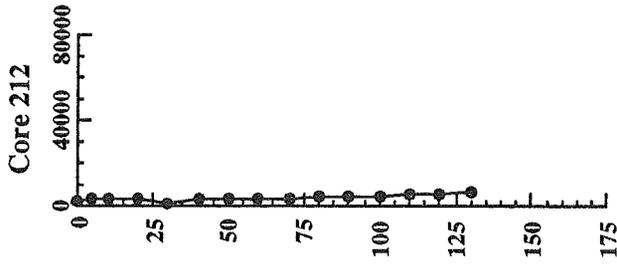
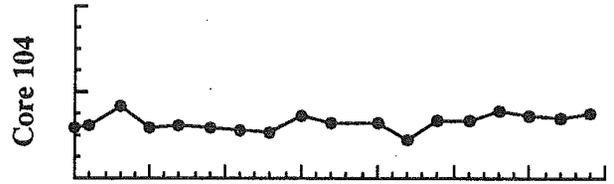
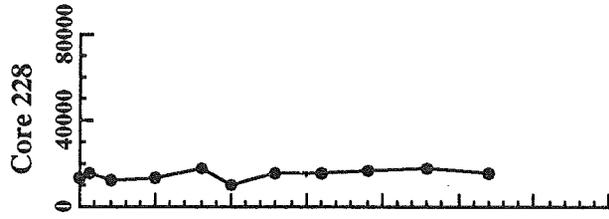
CALCIUM
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



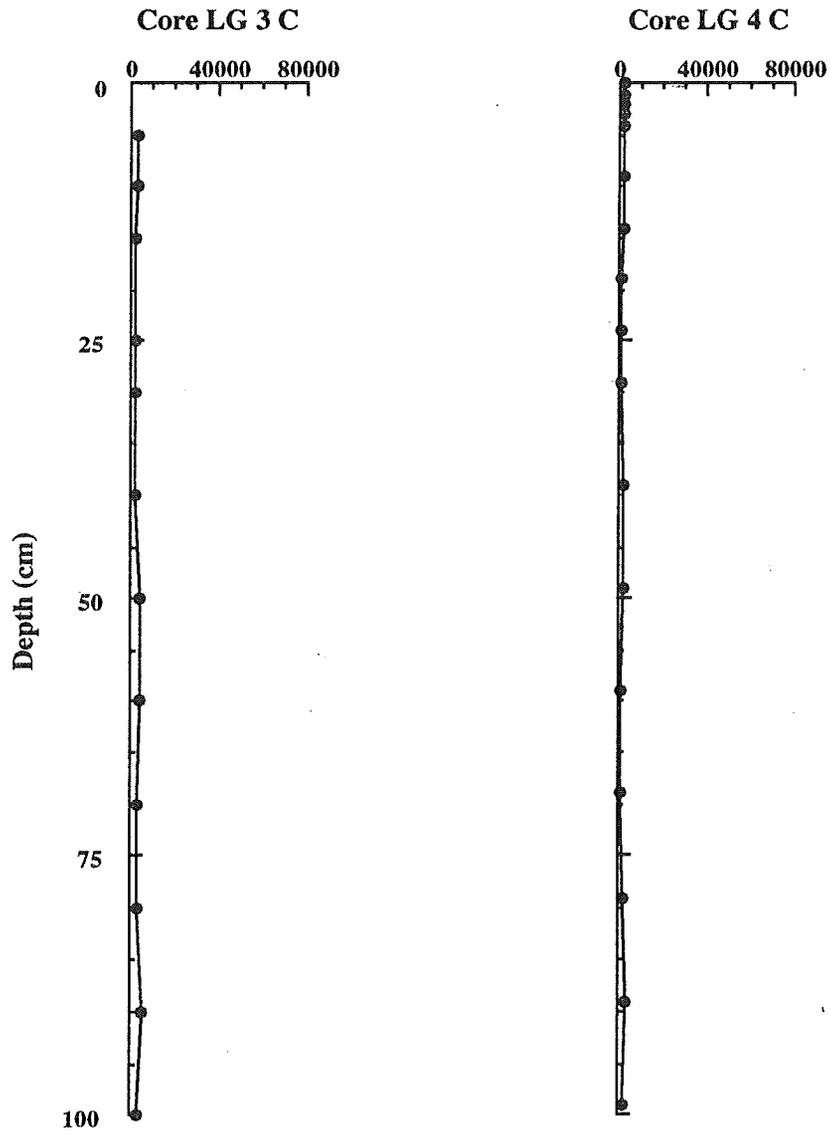
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CALCIUM
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



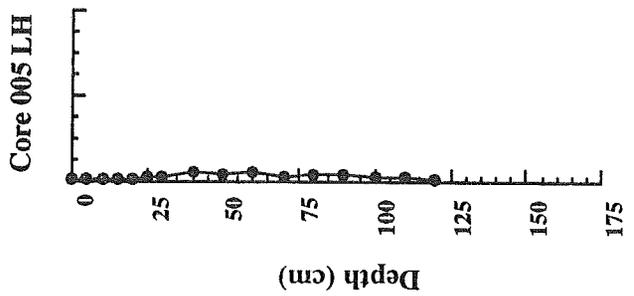
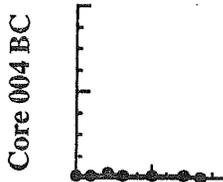
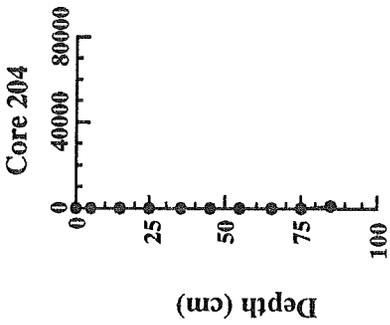
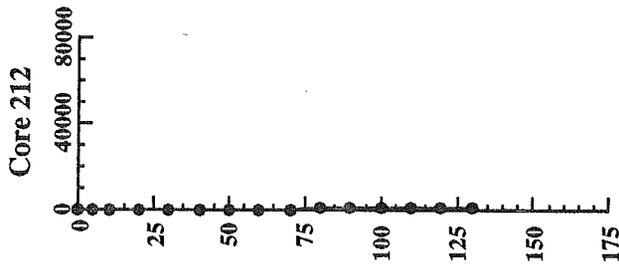
CALCIUM
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



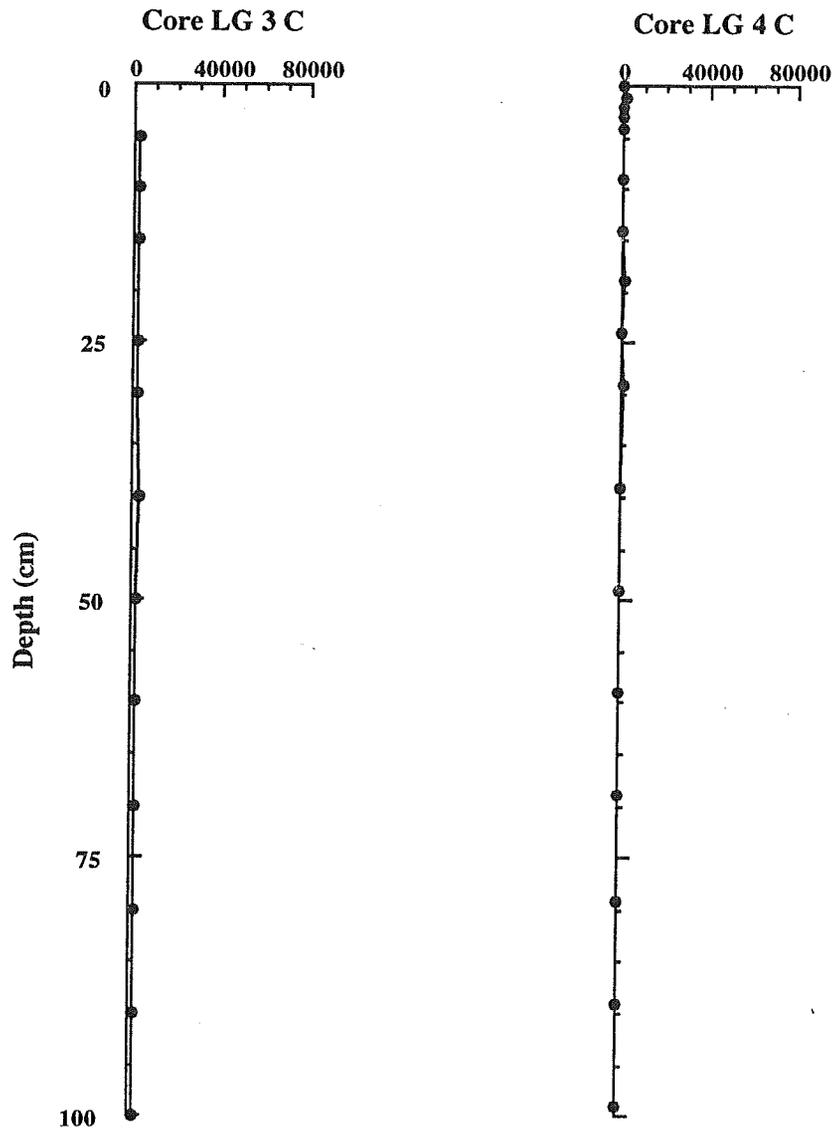
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CALCIUM
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



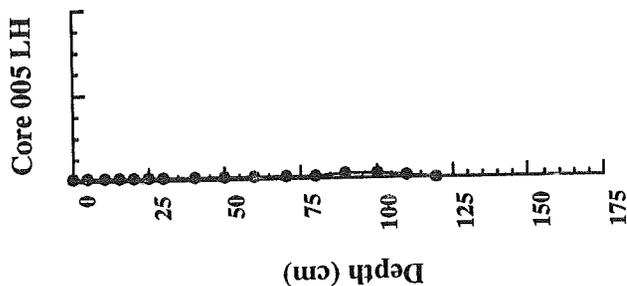
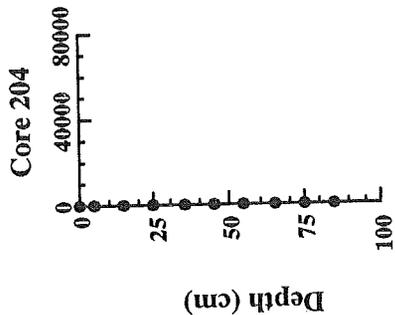
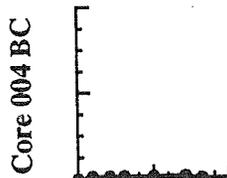
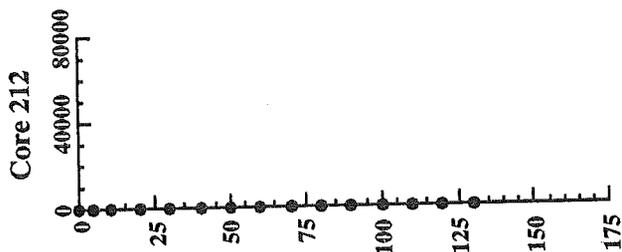
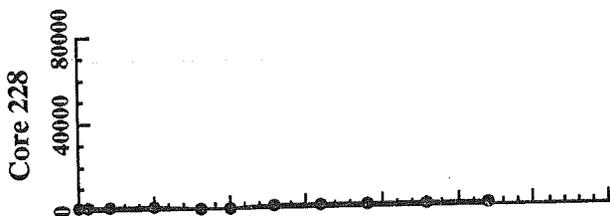
CALCIUM
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



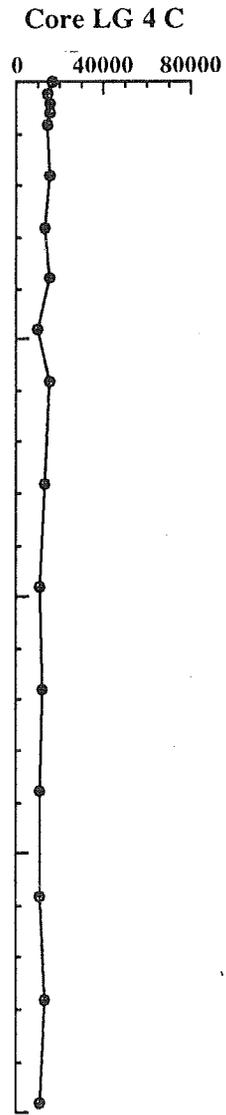
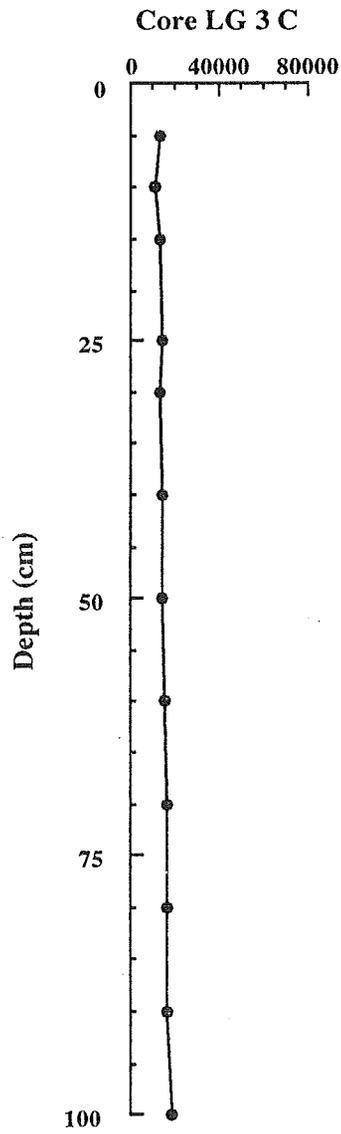
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CALCIUM
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



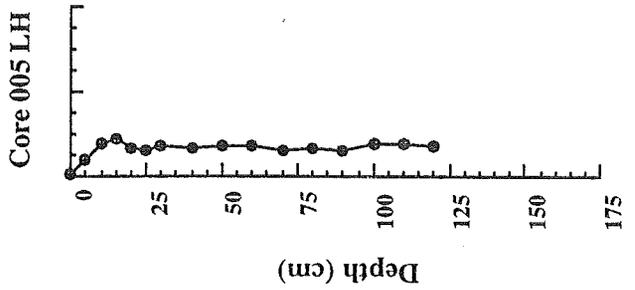
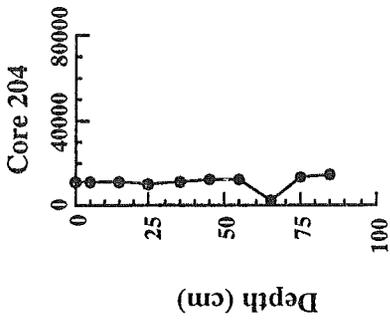
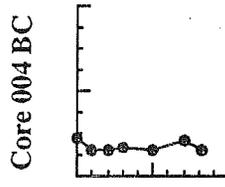
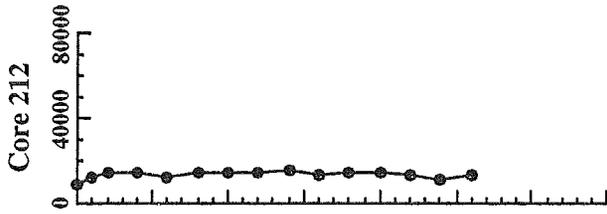
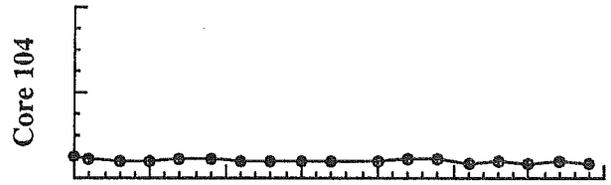
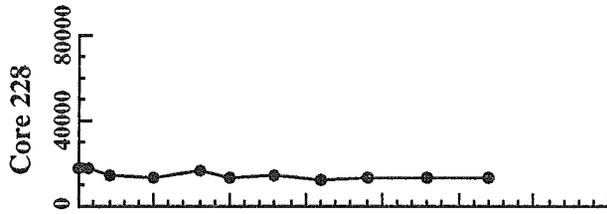
CALCIUM
(residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



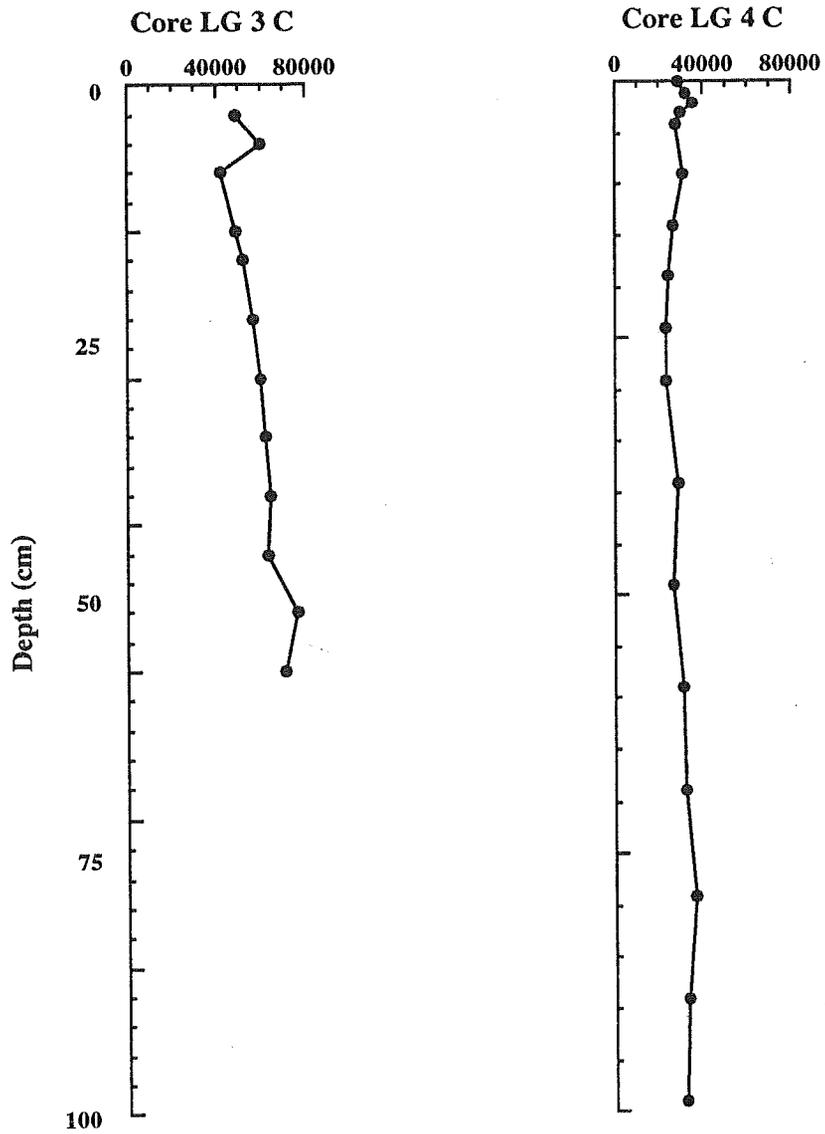
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CALCIUM
(residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



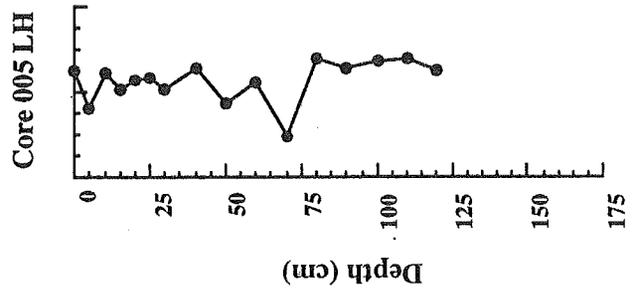
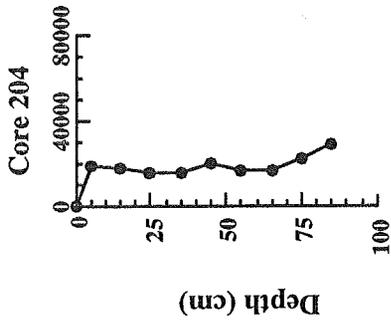
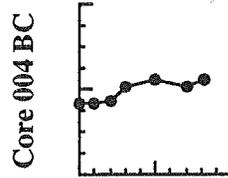
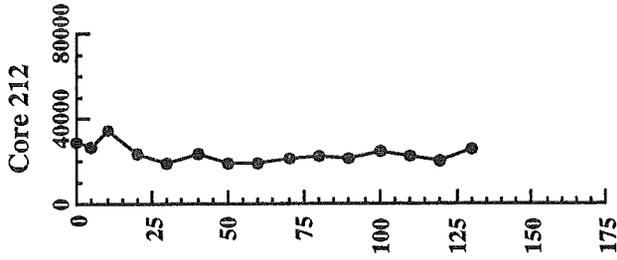
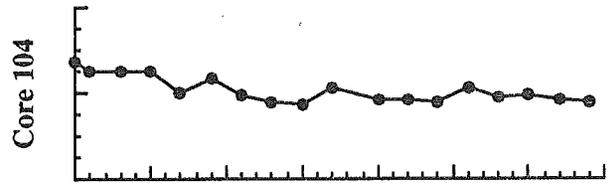
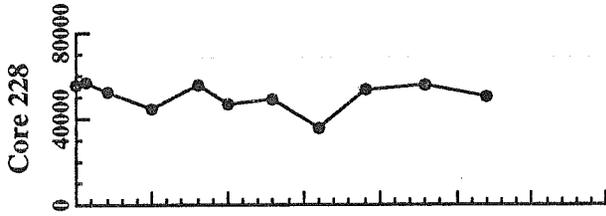
CALCIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



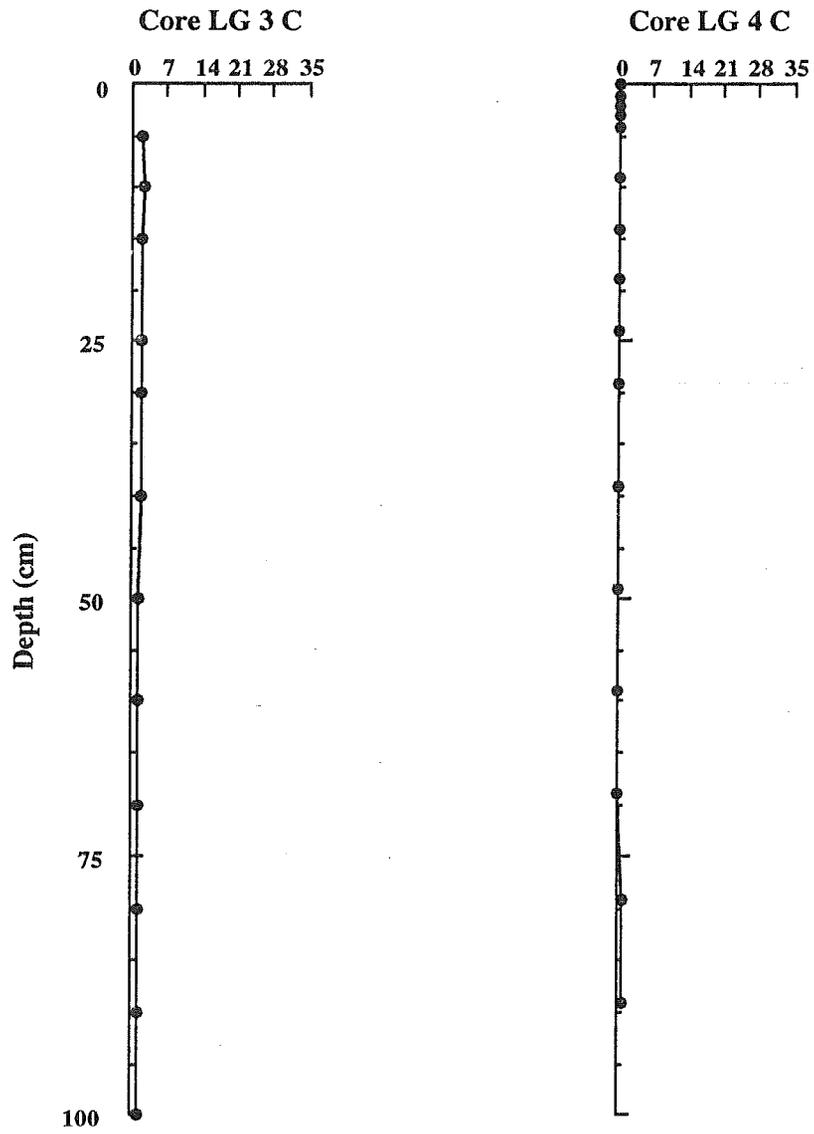
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CALCIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



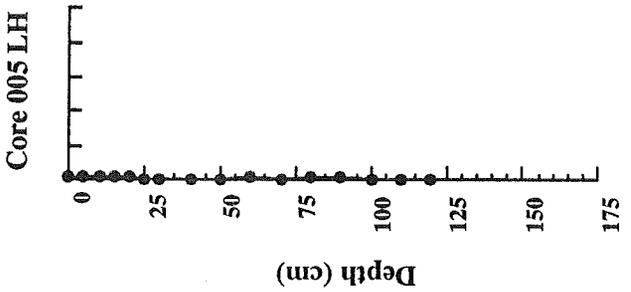
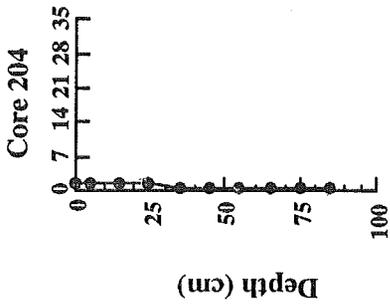
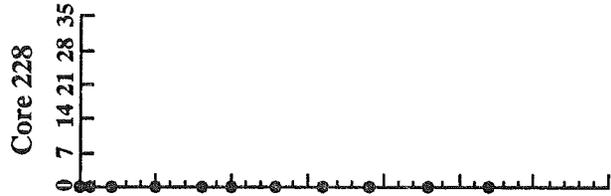
COPPER
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



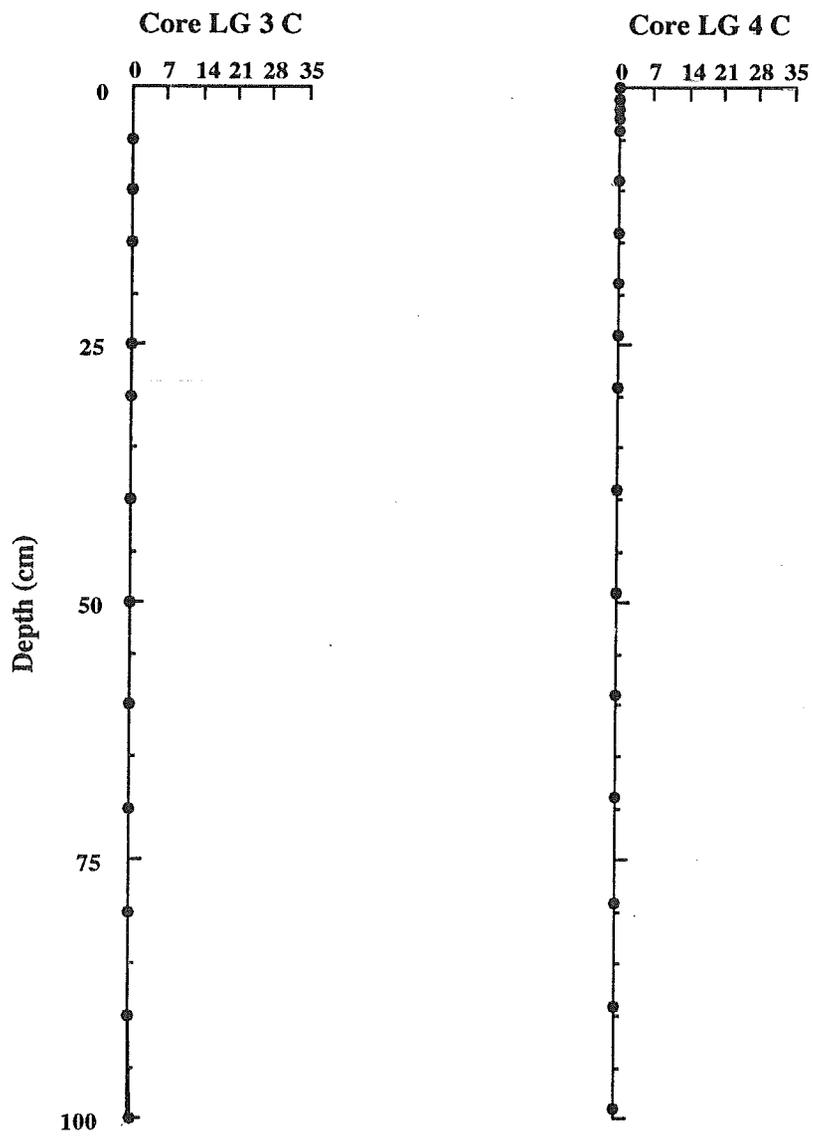
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

COPPER
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



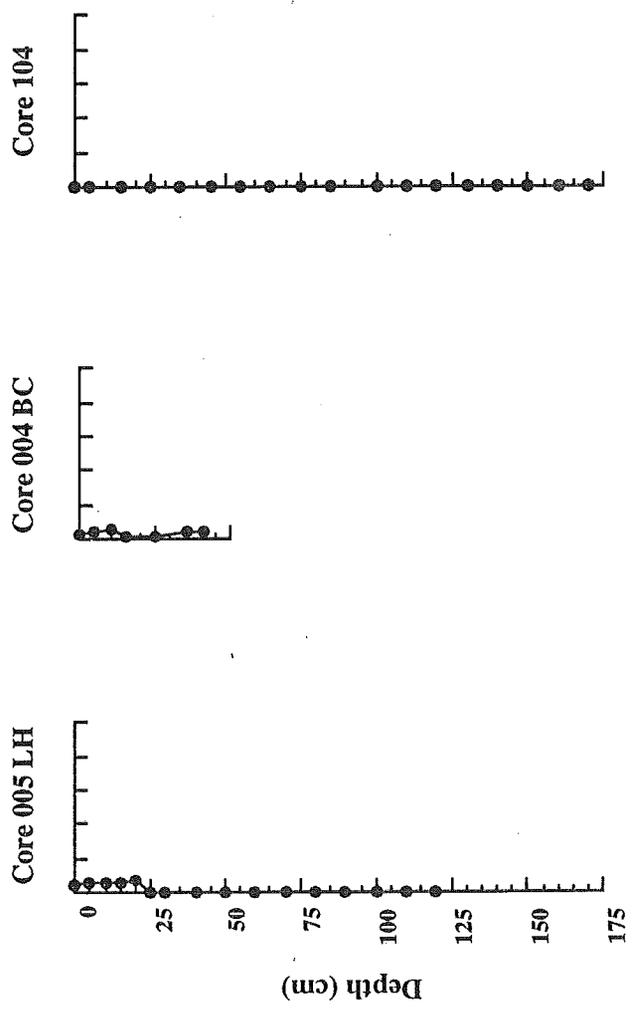
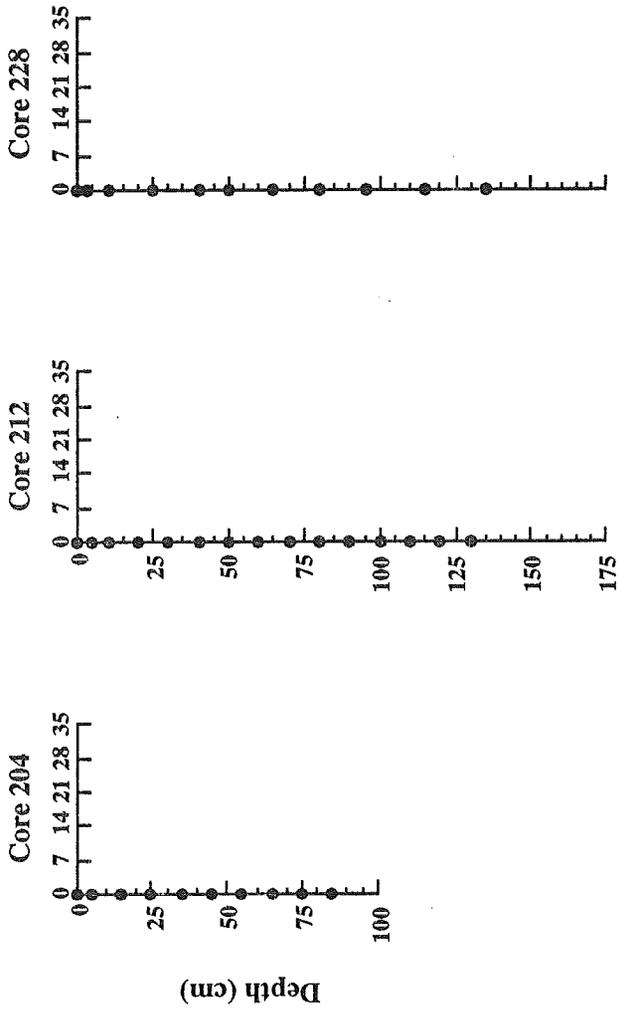
COPPER
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



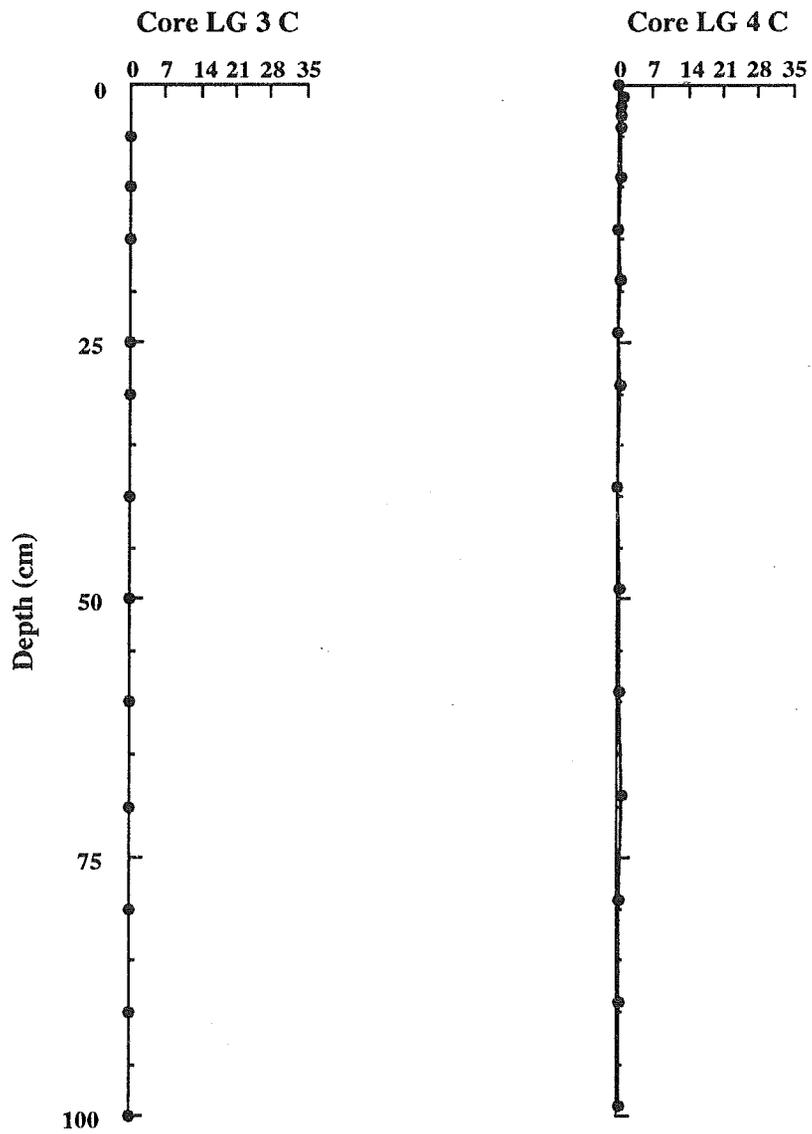
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

COPPER
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



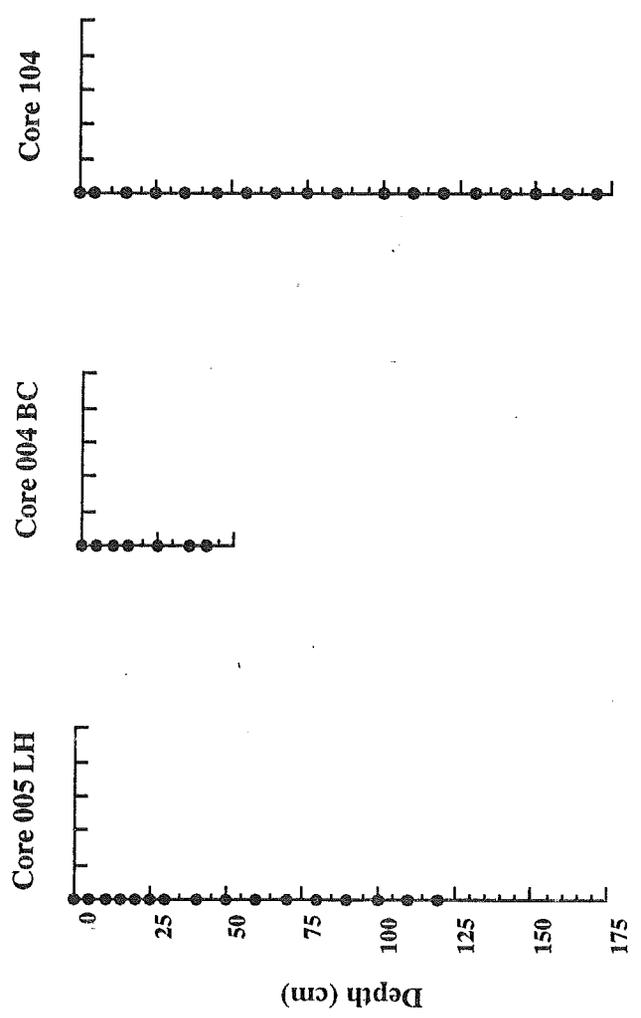
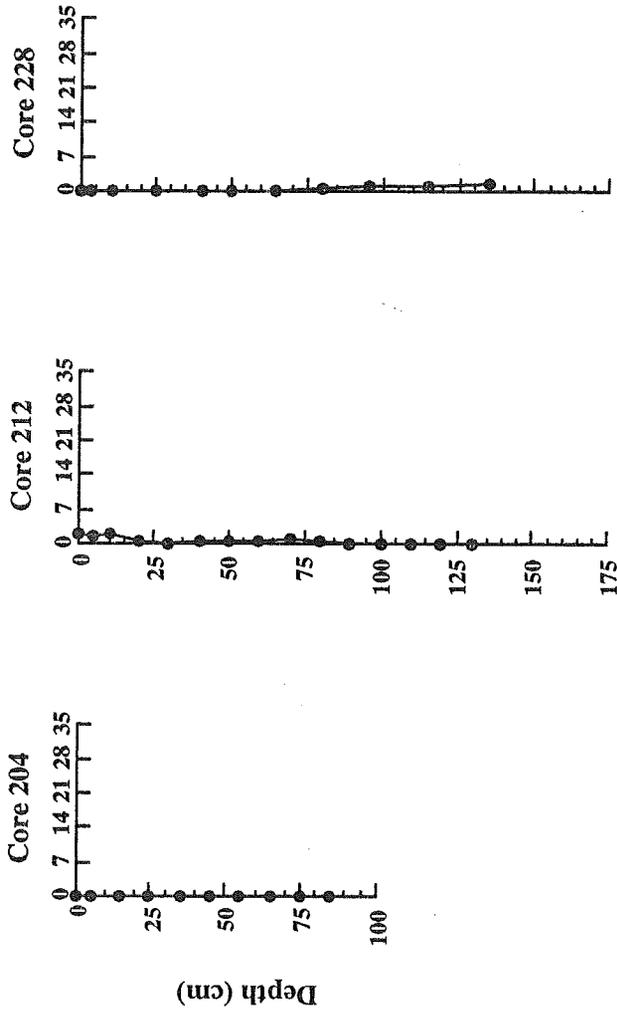
COPPER
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



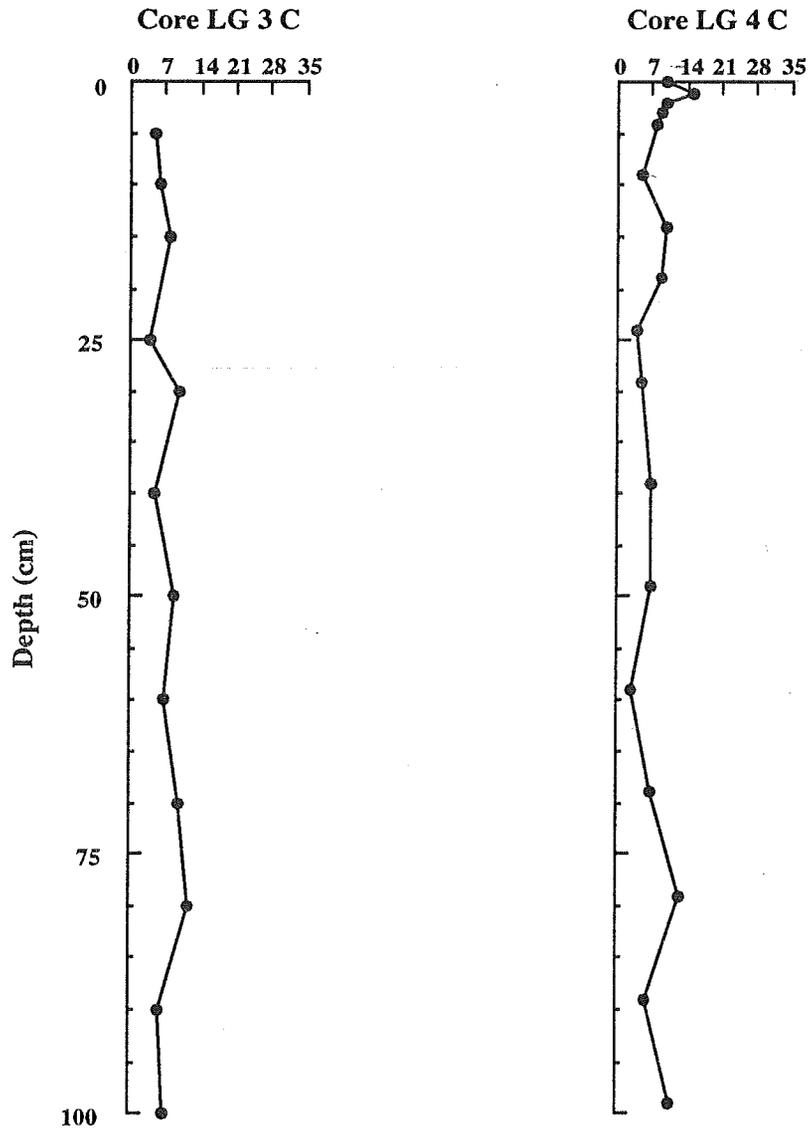
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

COPPER
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



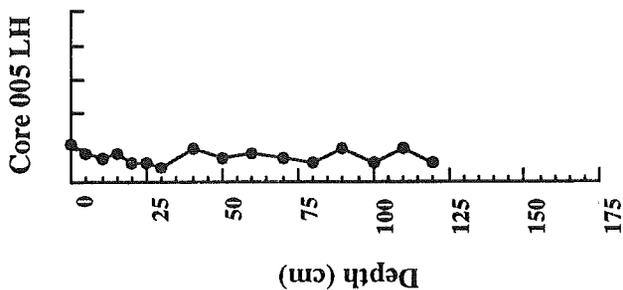
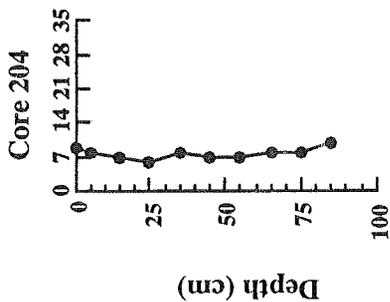
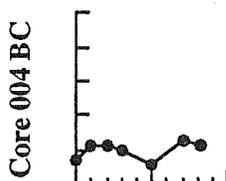
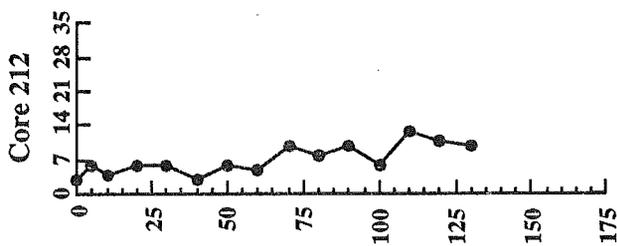
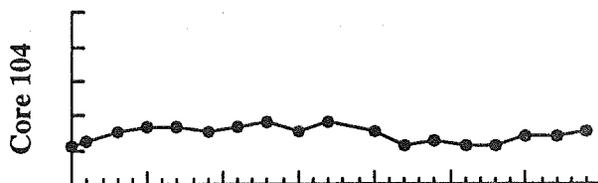
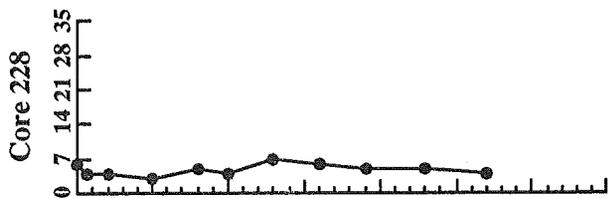
COPPER
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



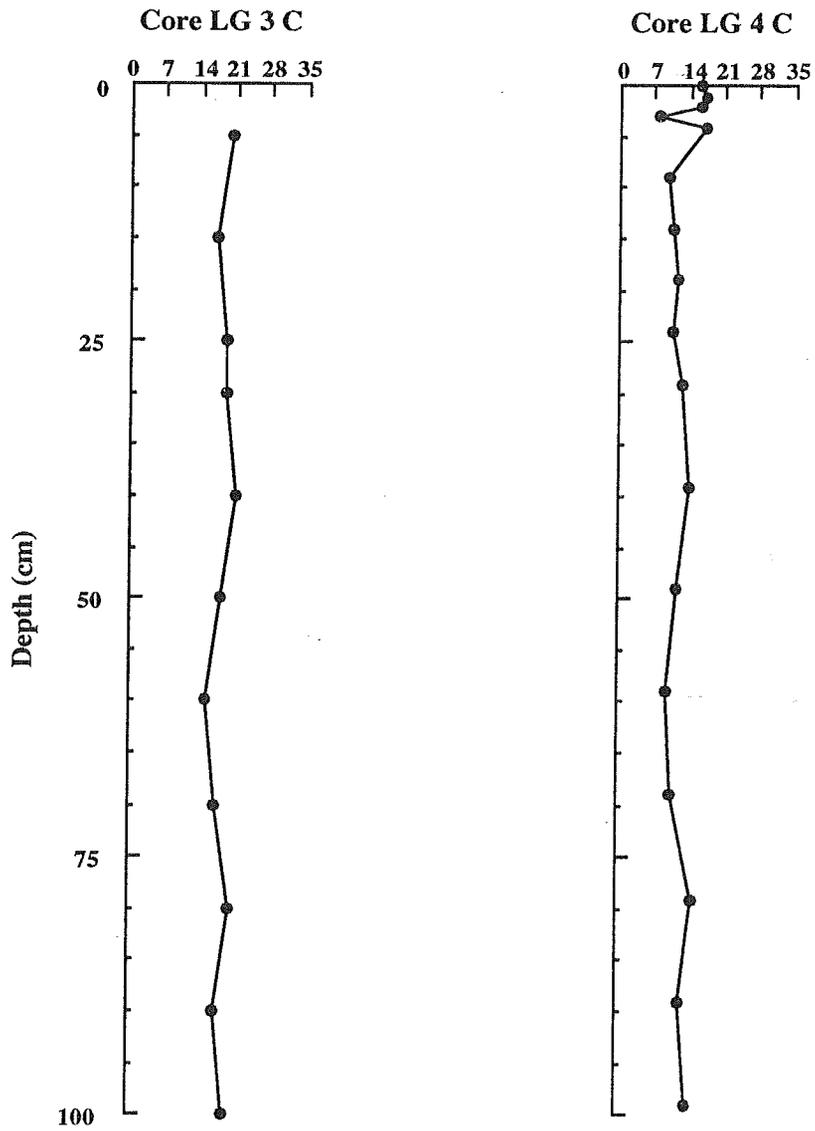
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

COPPER
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



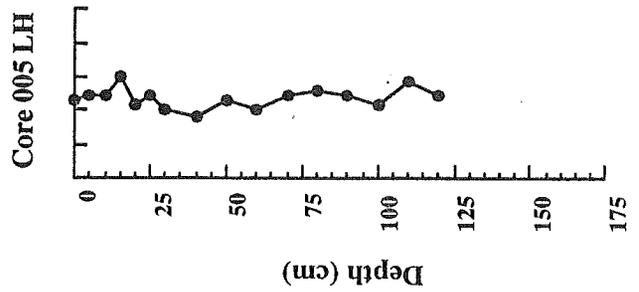
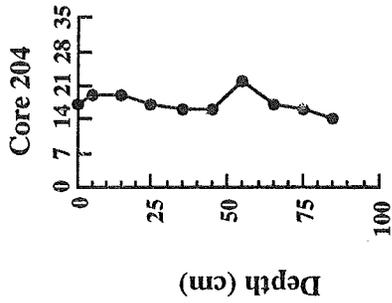
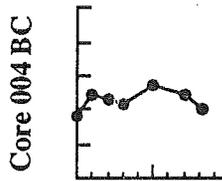
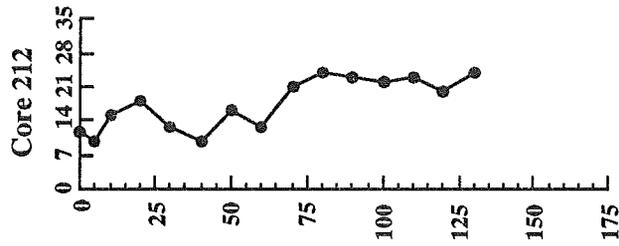
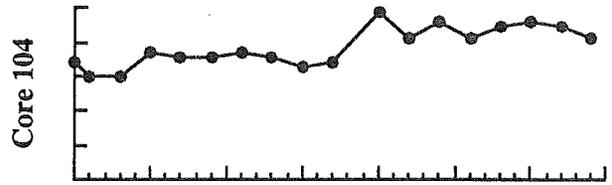
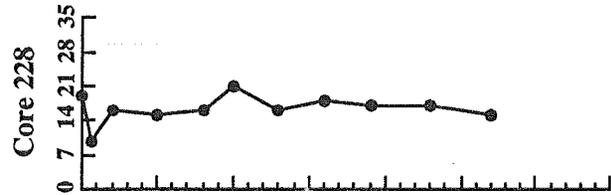
COPPER
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



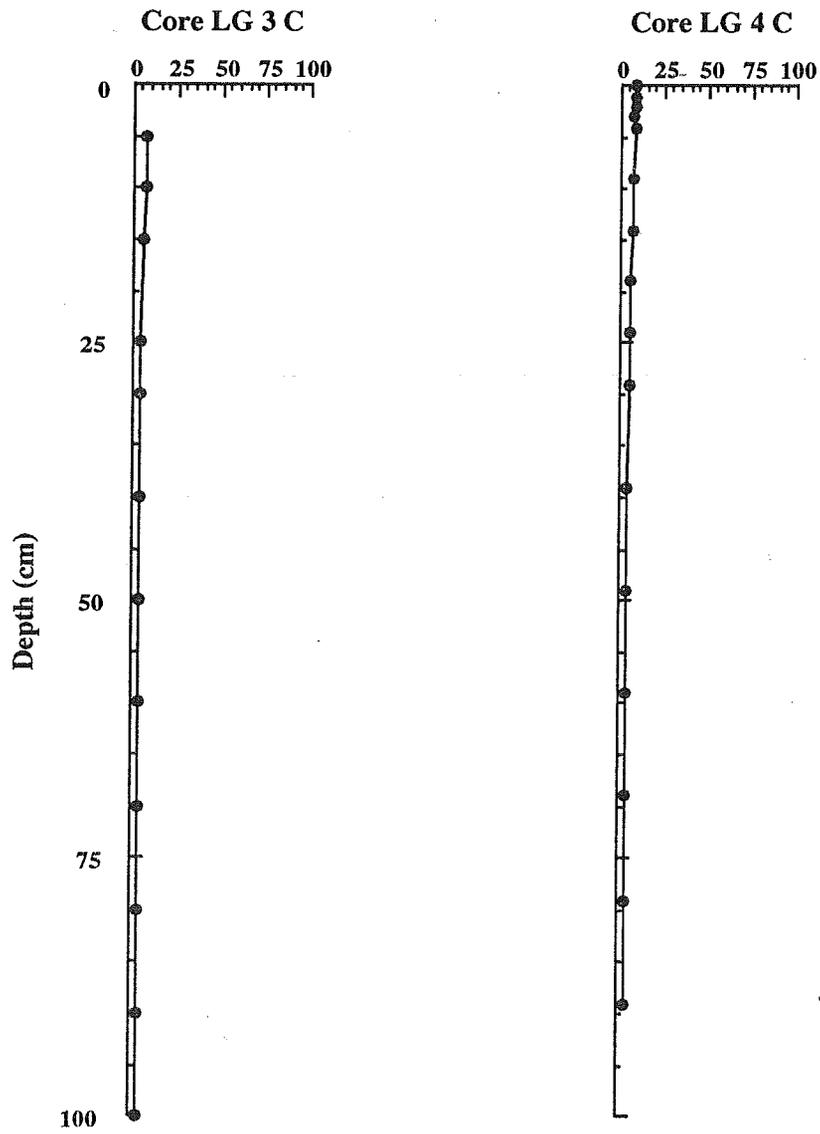
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

COPPER
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



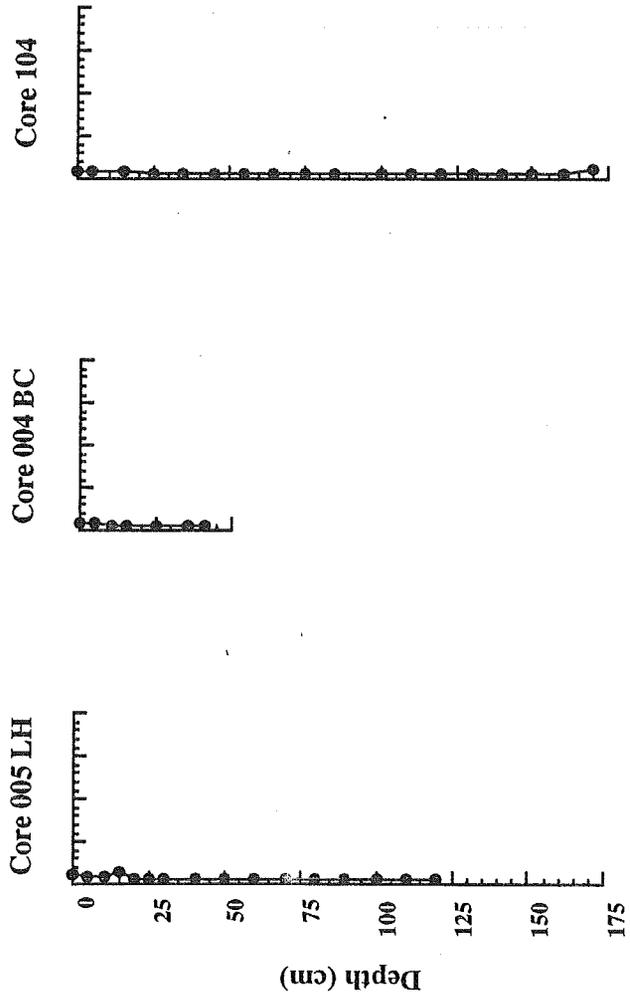
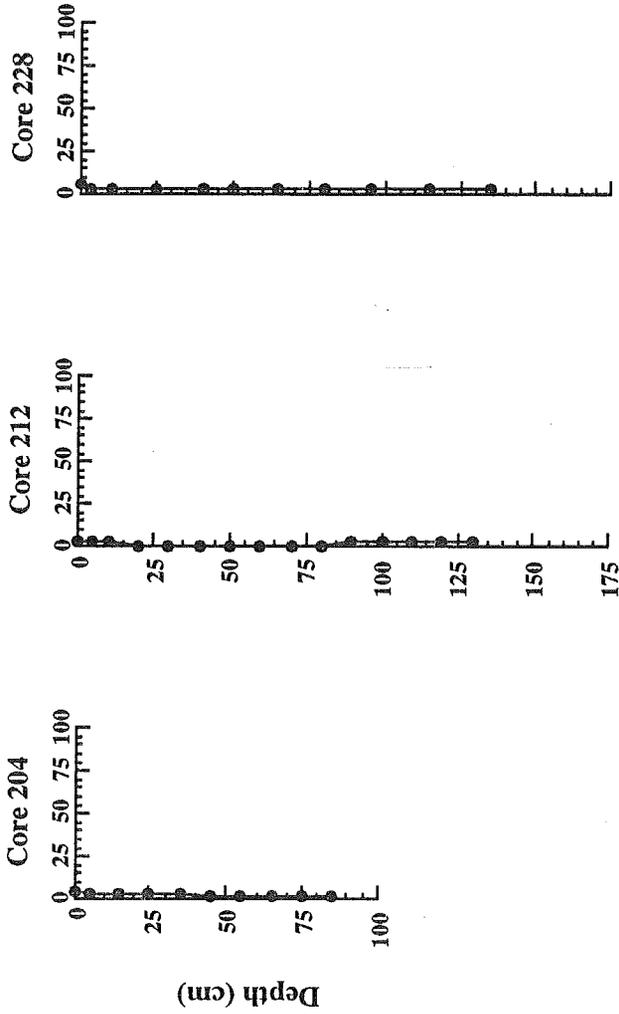
ZINC
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



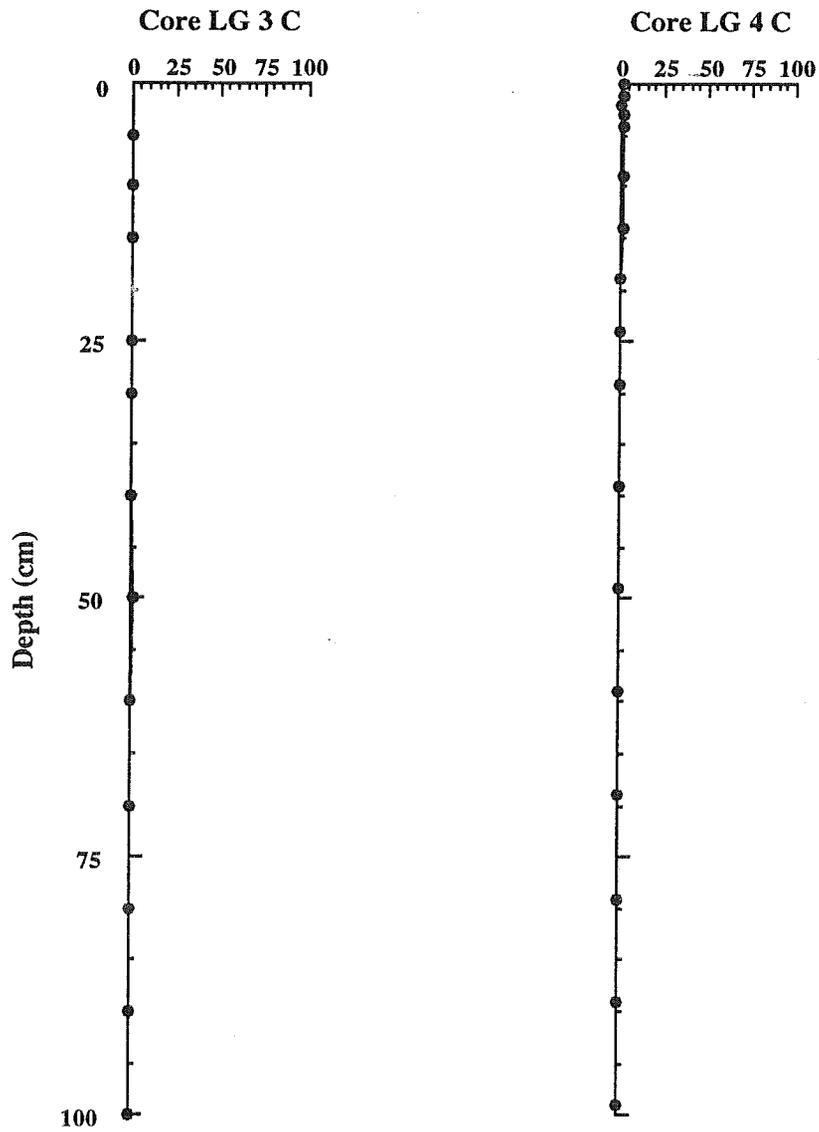
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

ZINC
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



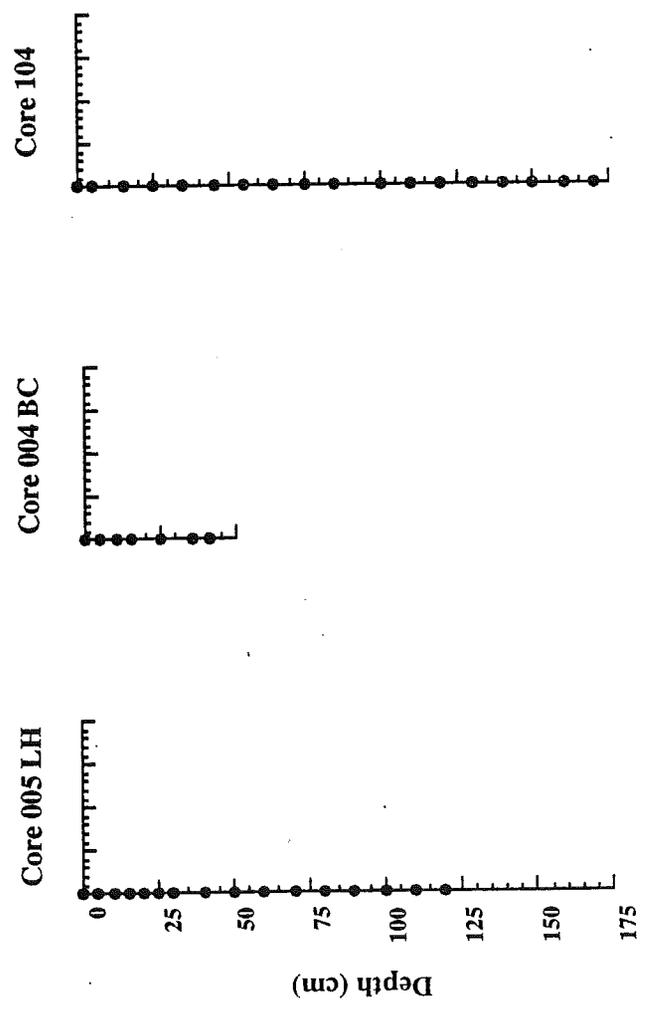
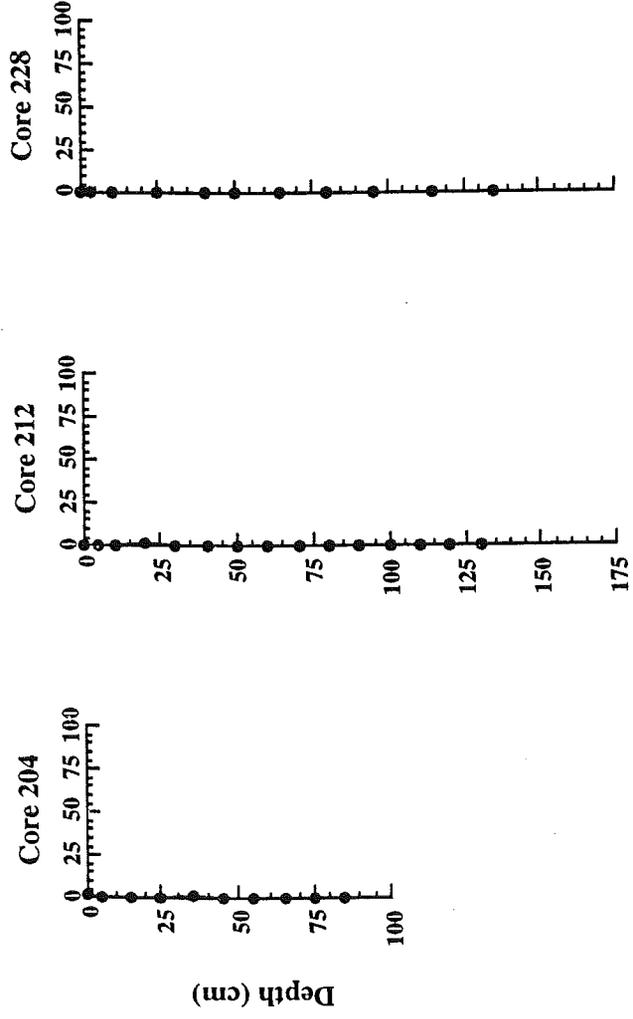
ZINC
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



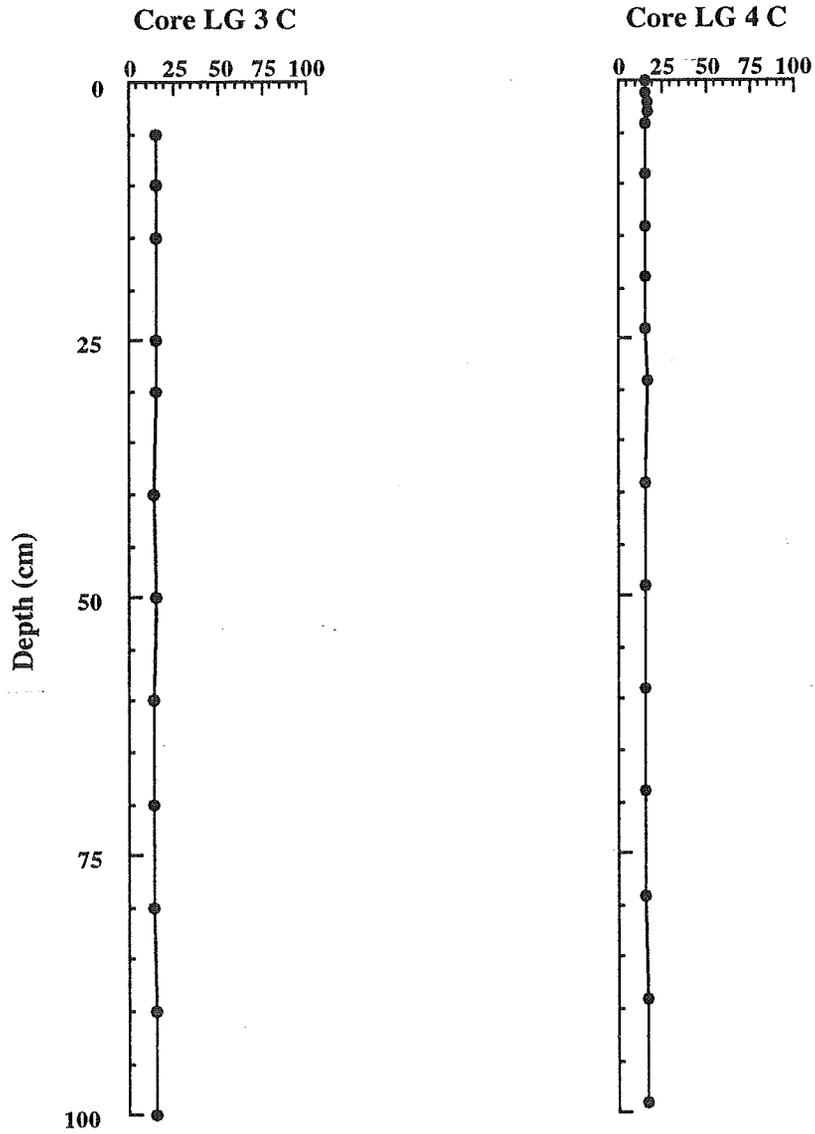
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

ZINC
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



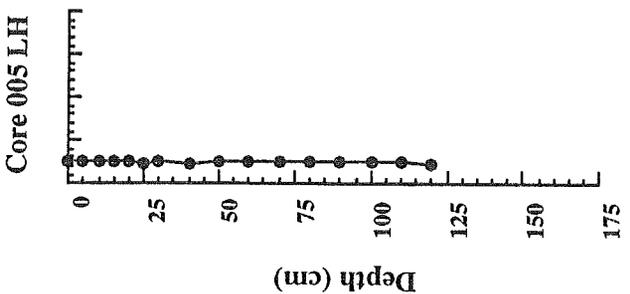
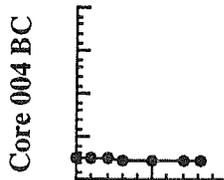
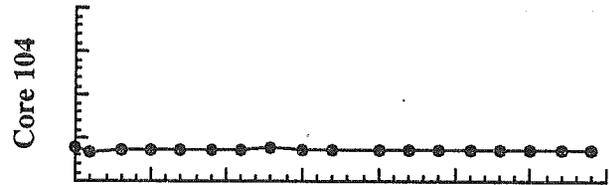
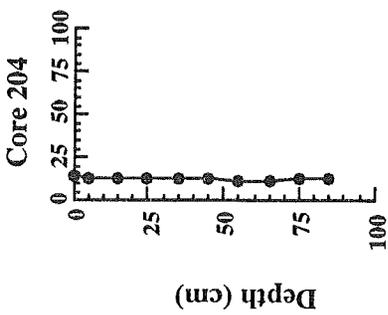
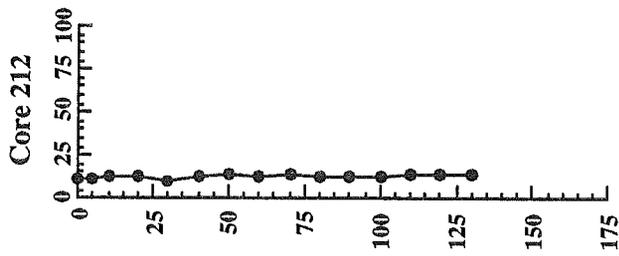
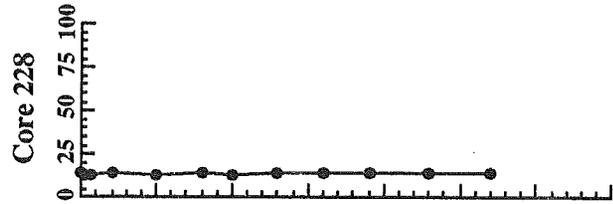
ZINC
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



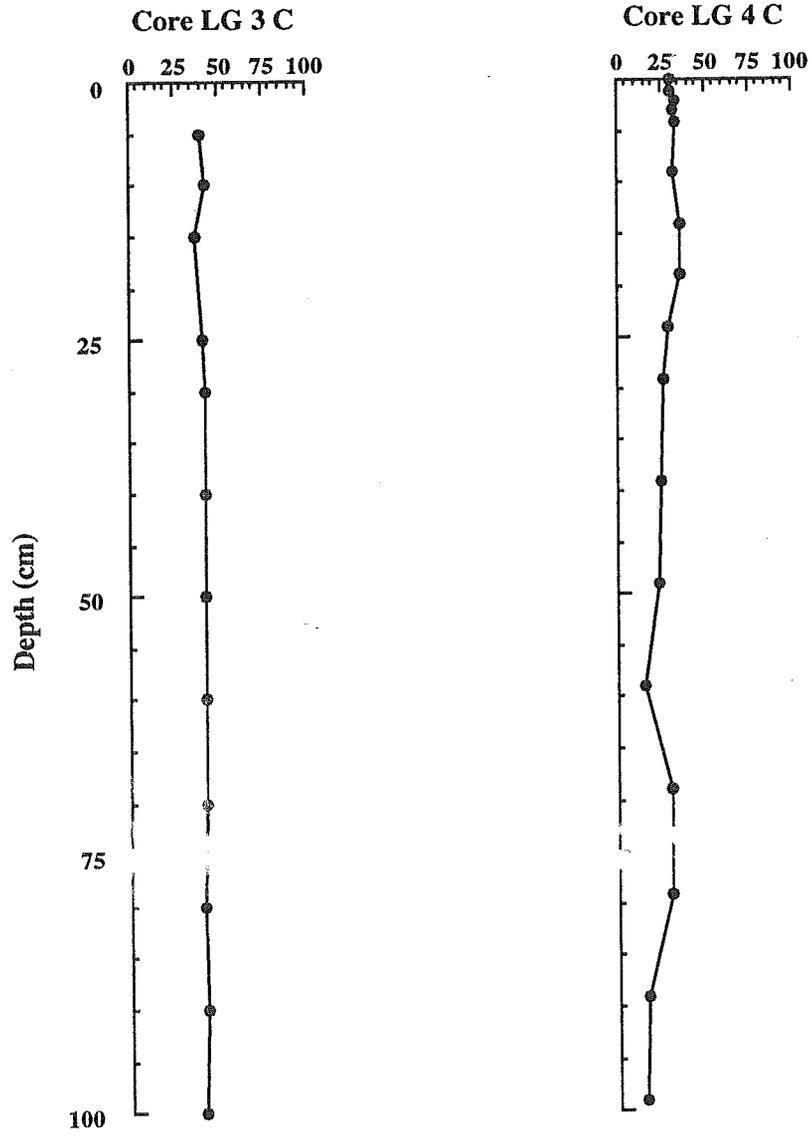
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

ZINC
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



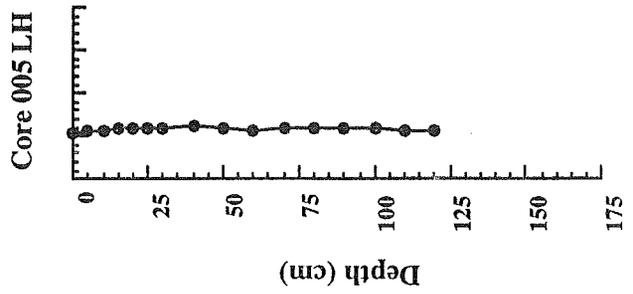
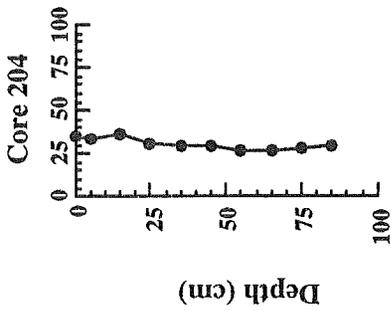
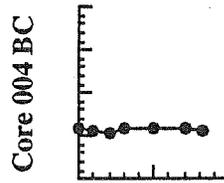
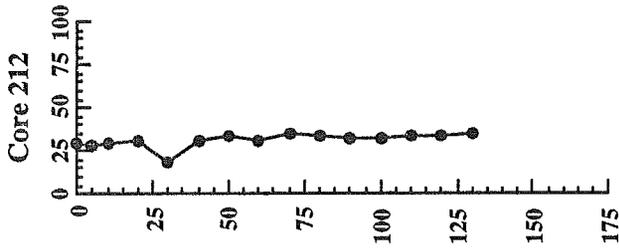
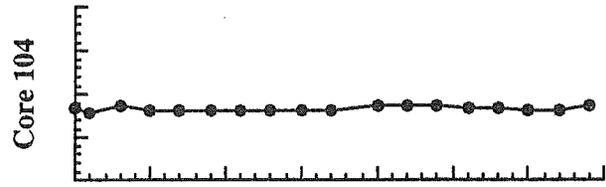
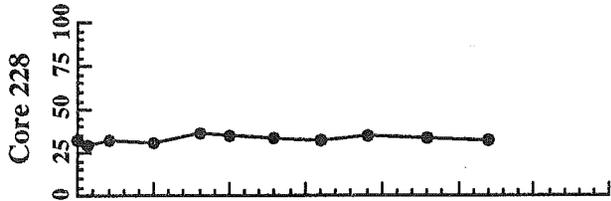
ZINC
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



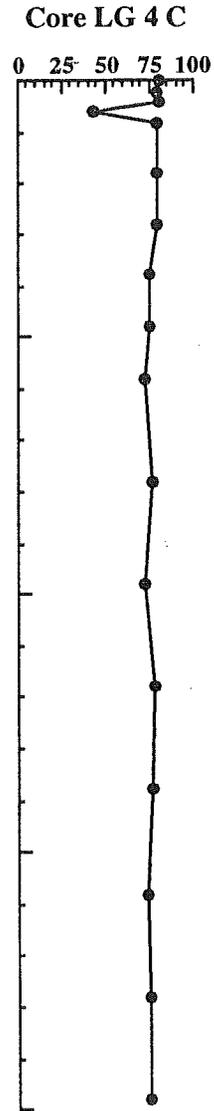
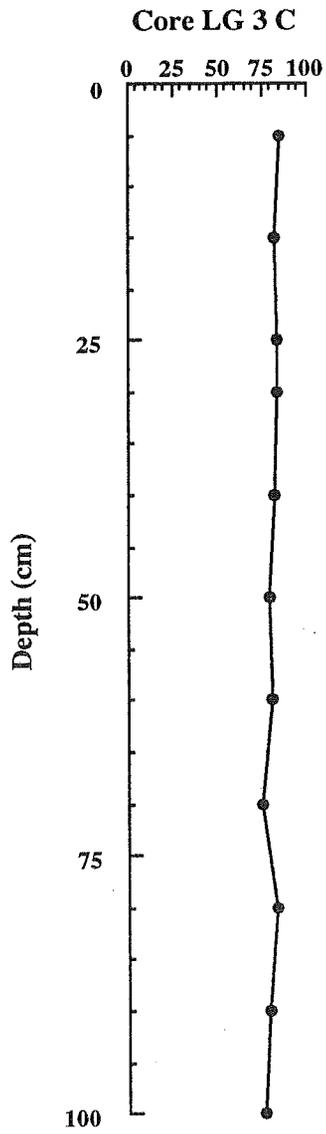
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

ZINC
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



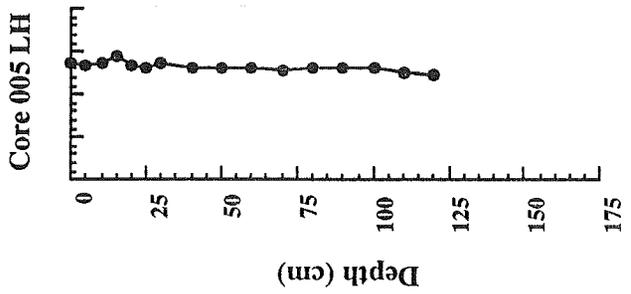
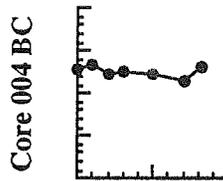
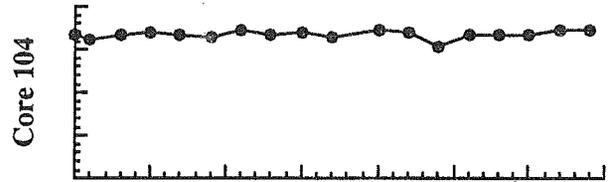
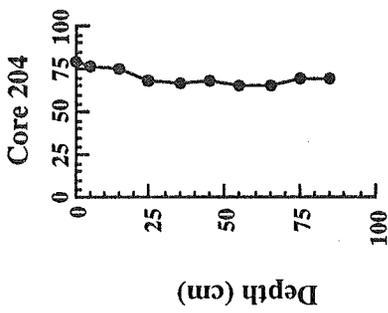
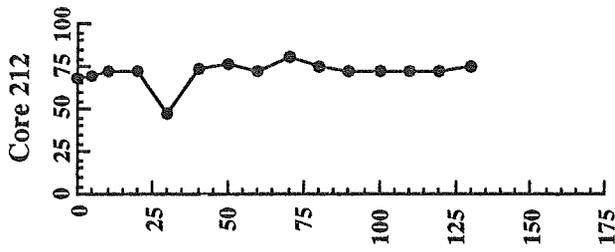
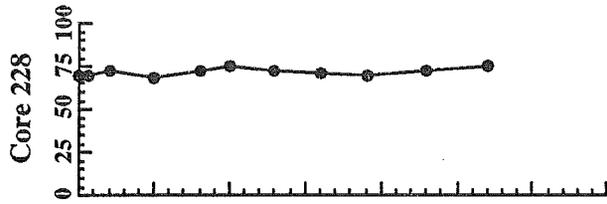
ZINC
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



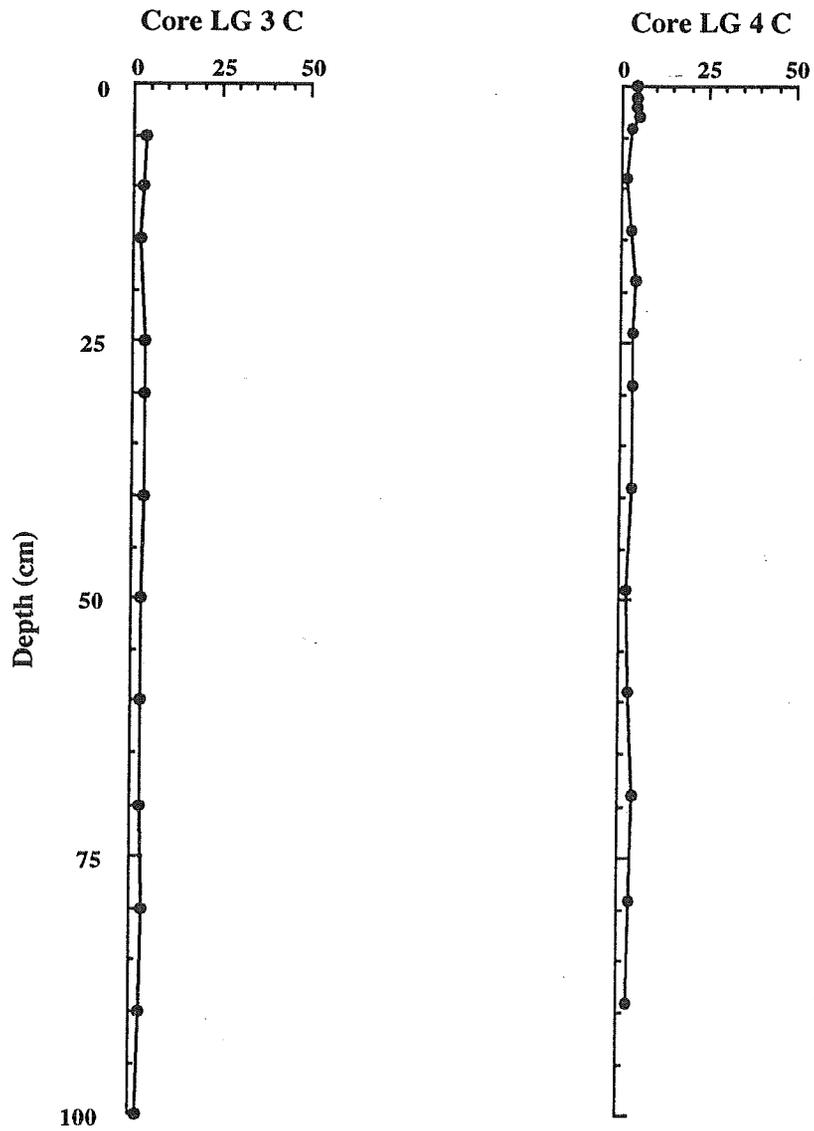
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

ZINC
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



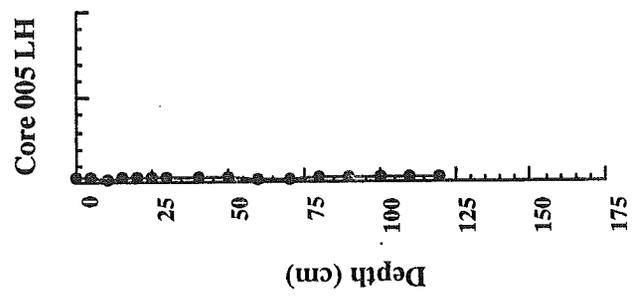
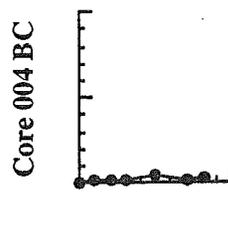
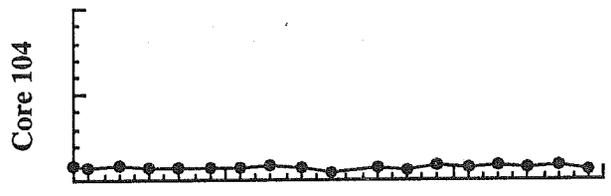
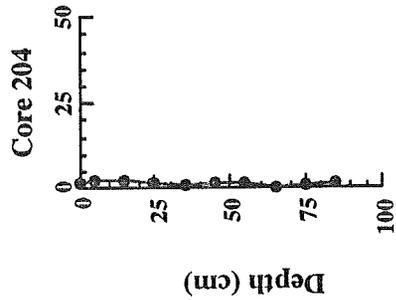
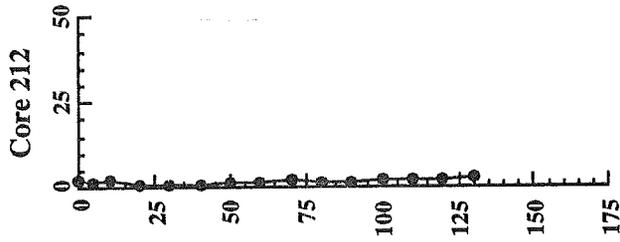
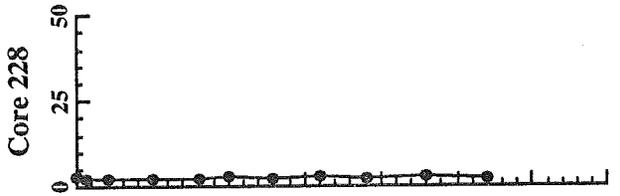
NICKLE
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



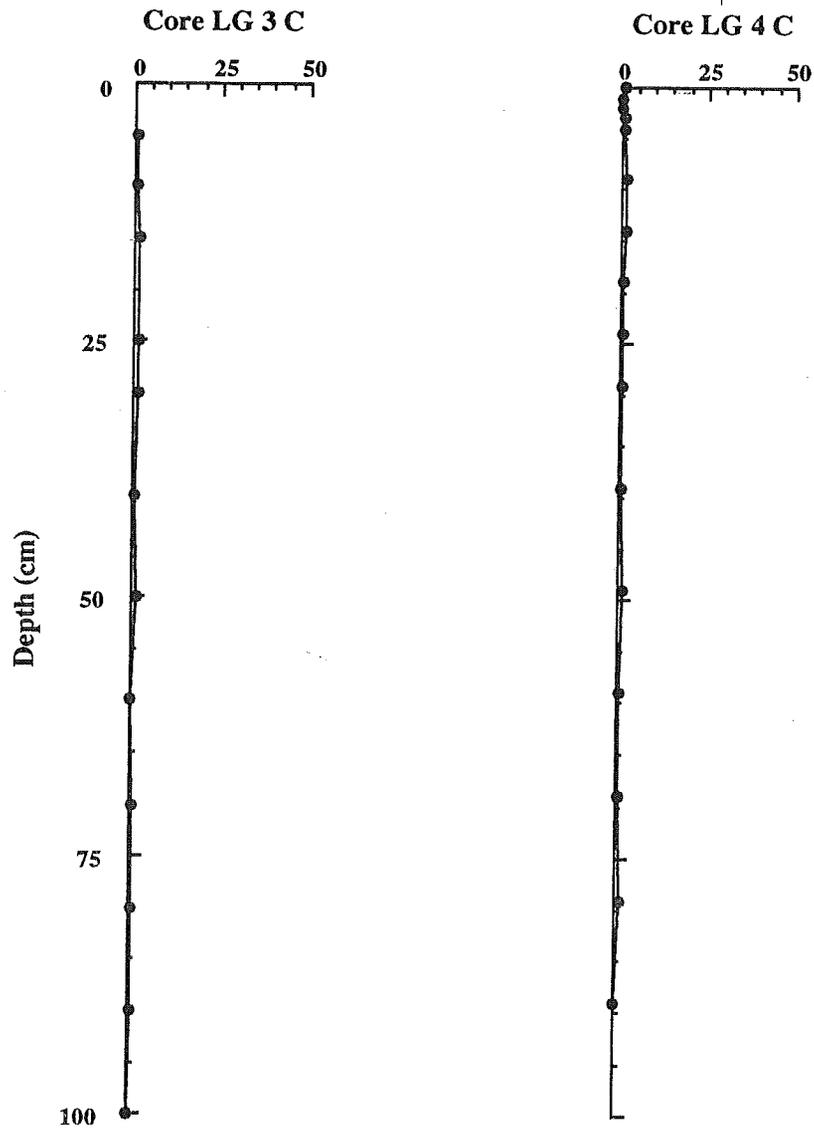
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

NICKLE
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



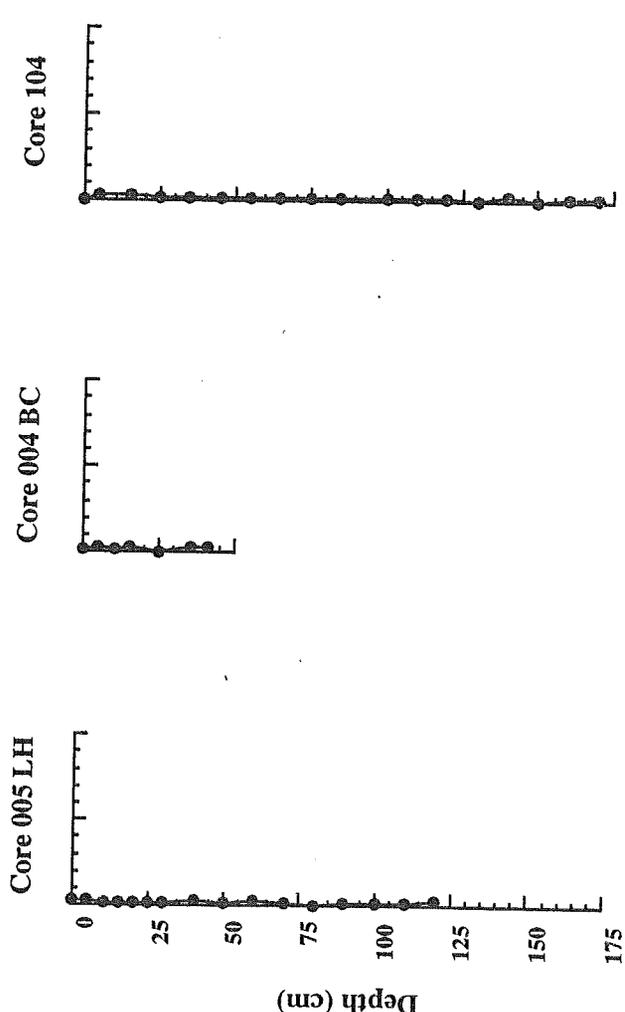
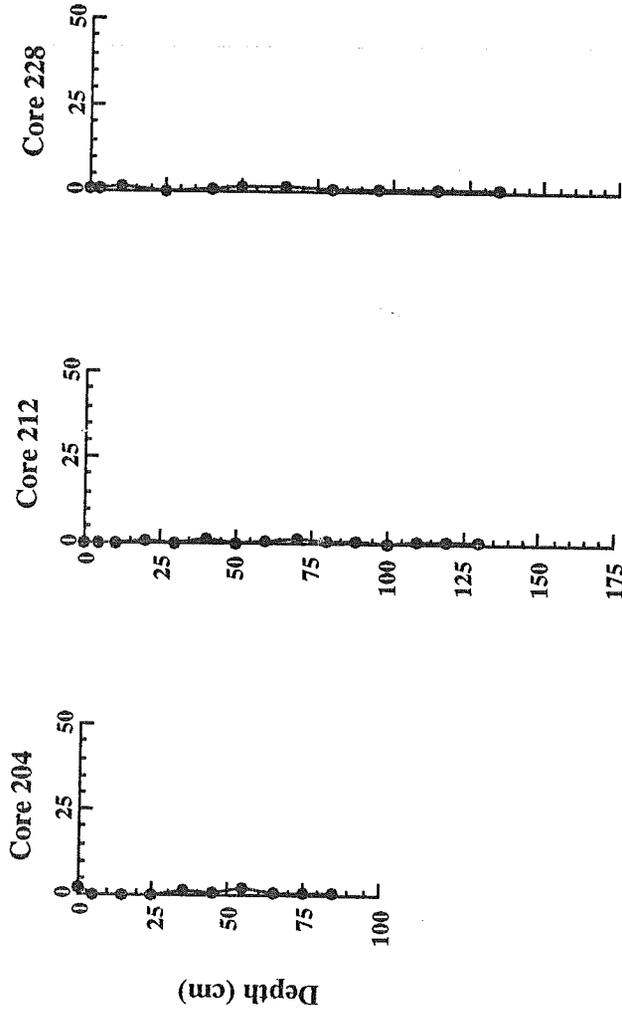
NICKLE
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



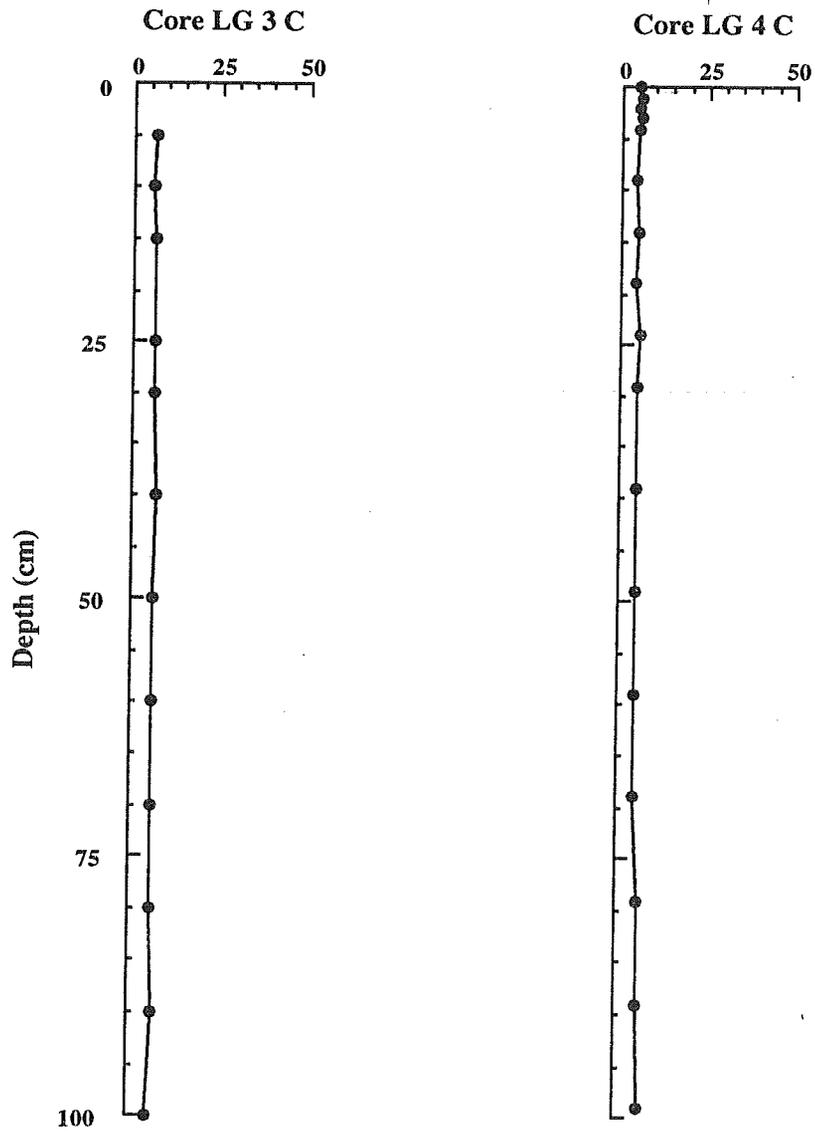
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

NICKLE
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



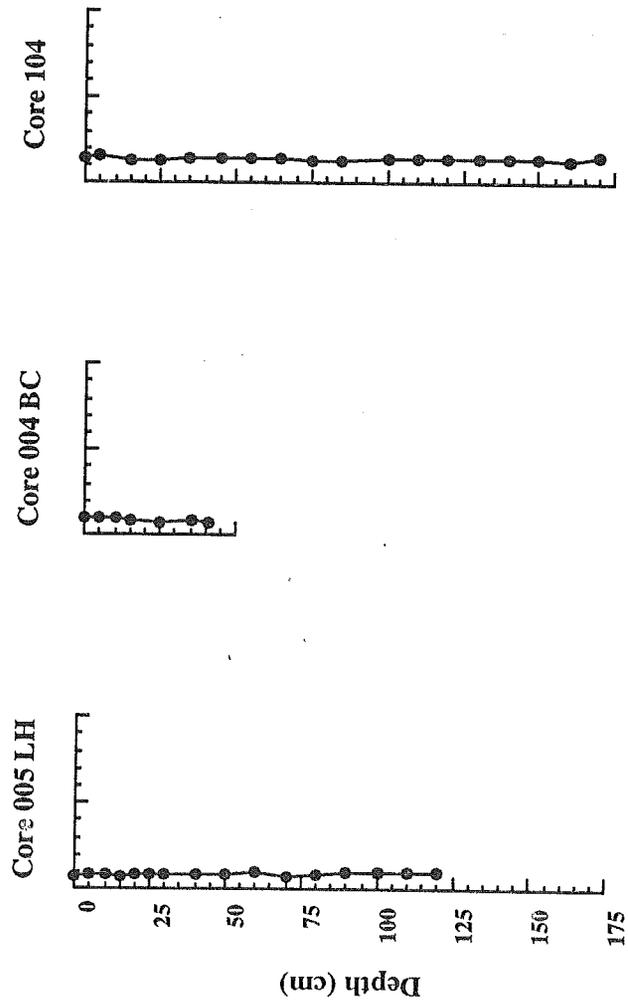
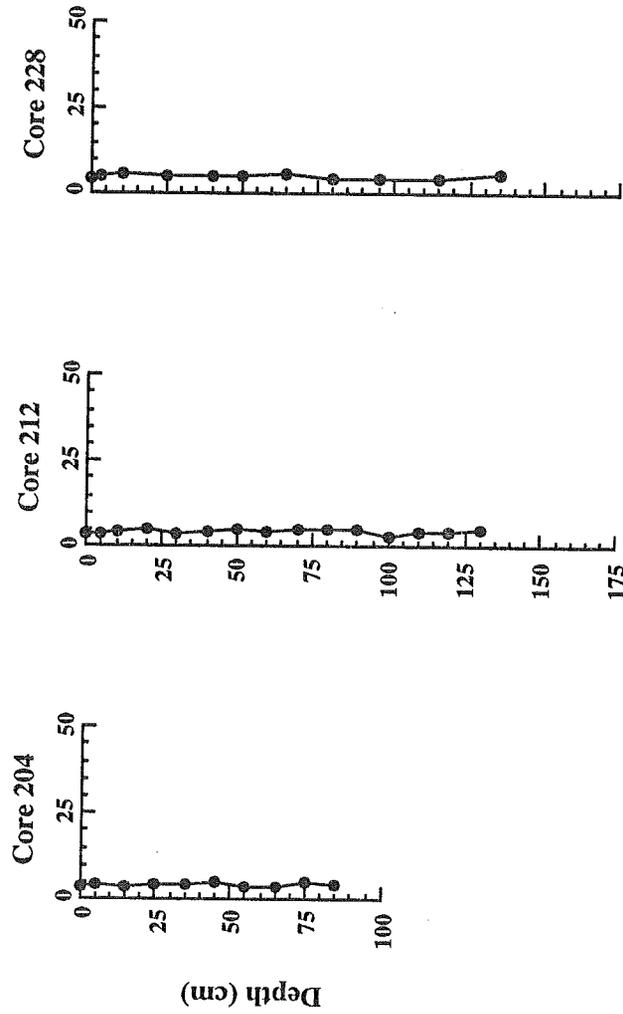
NICKLE
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



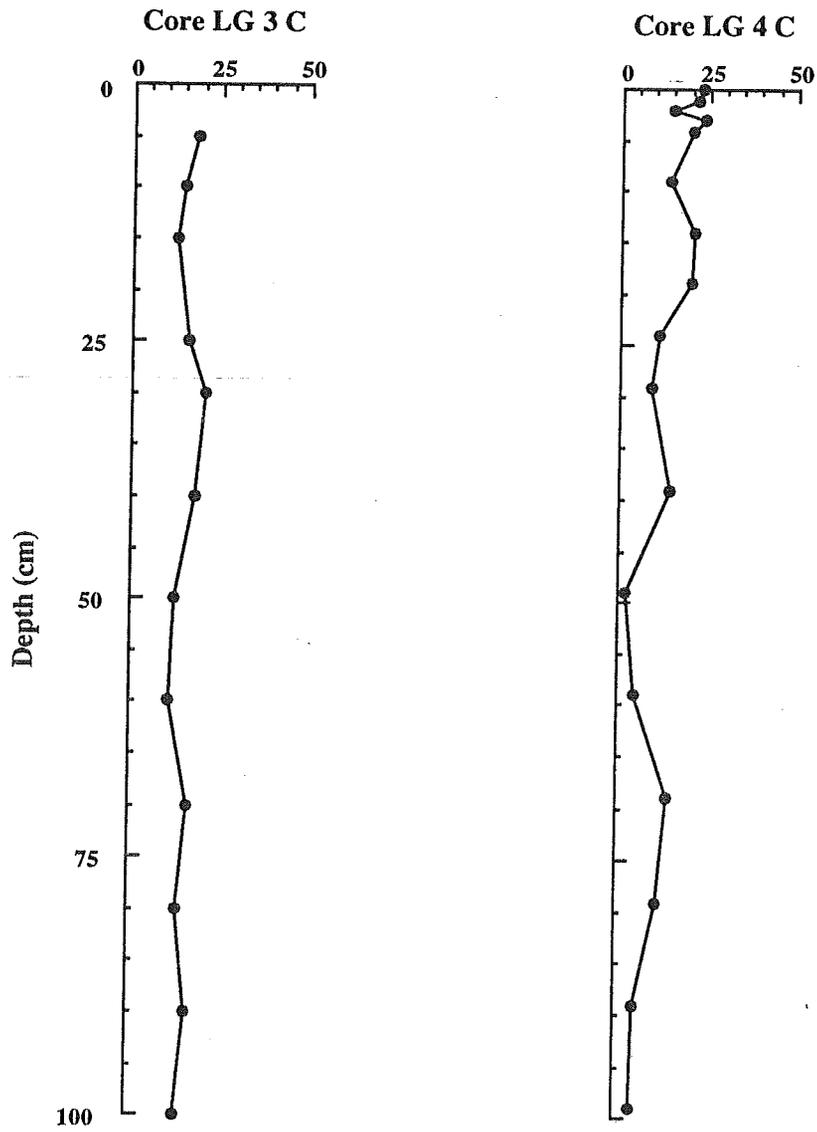
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

NICKLE
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



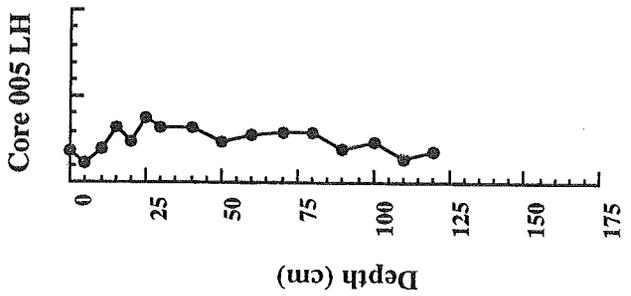
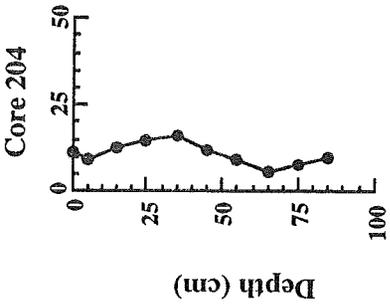
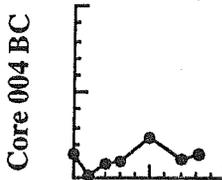
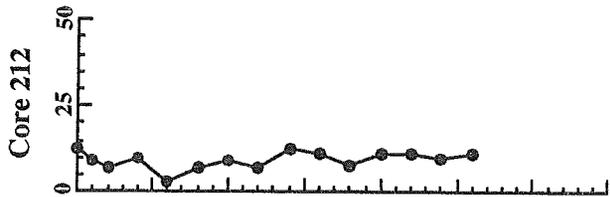
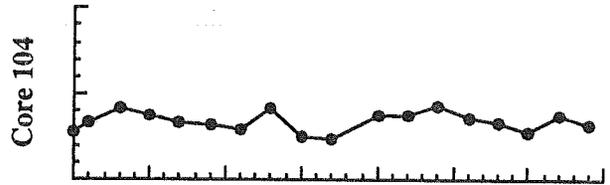
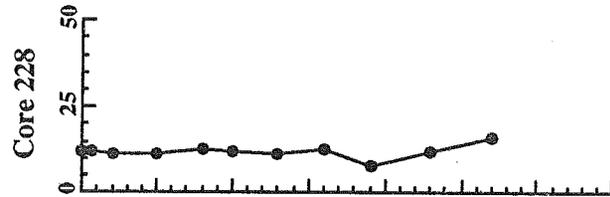
NICKLE
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



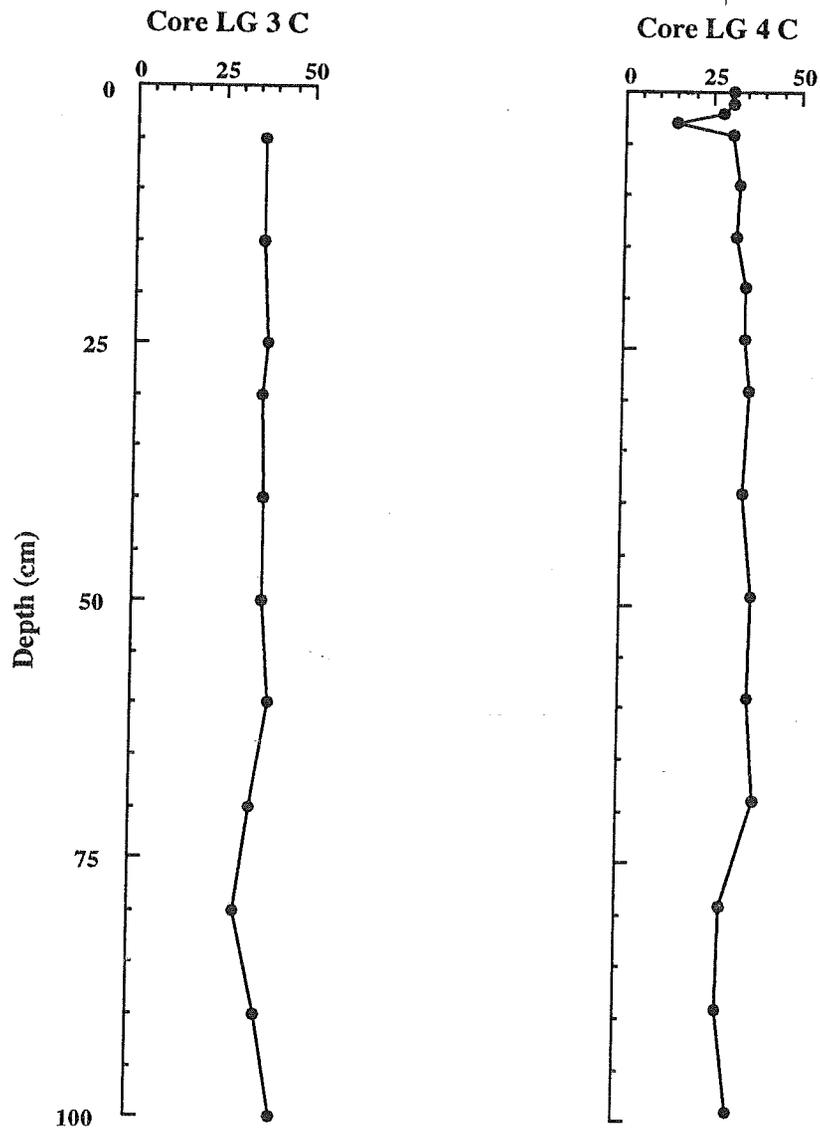
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

NICKLE
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



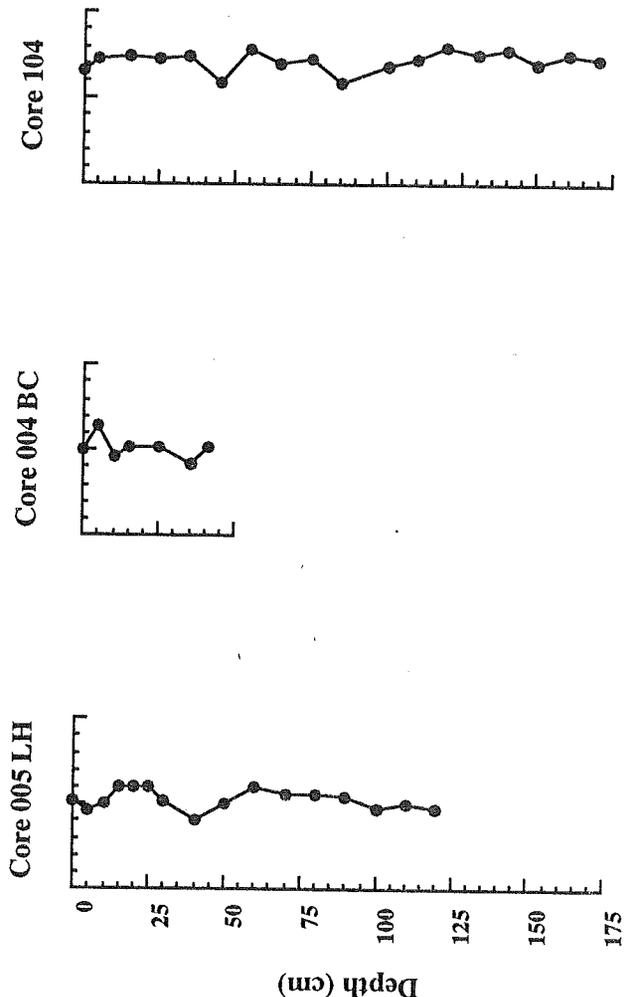
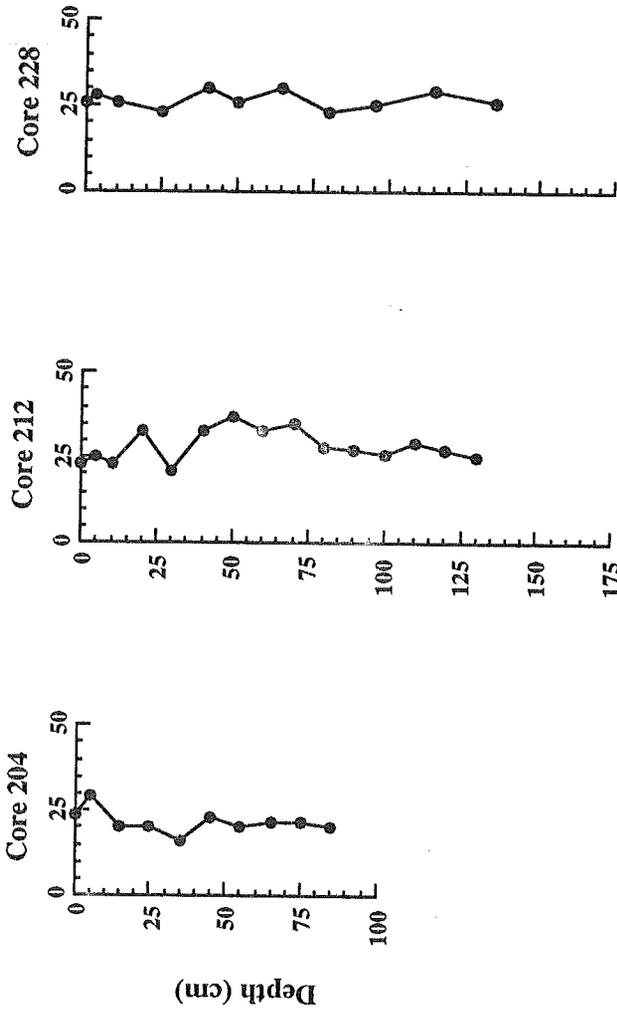
NICKLE
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



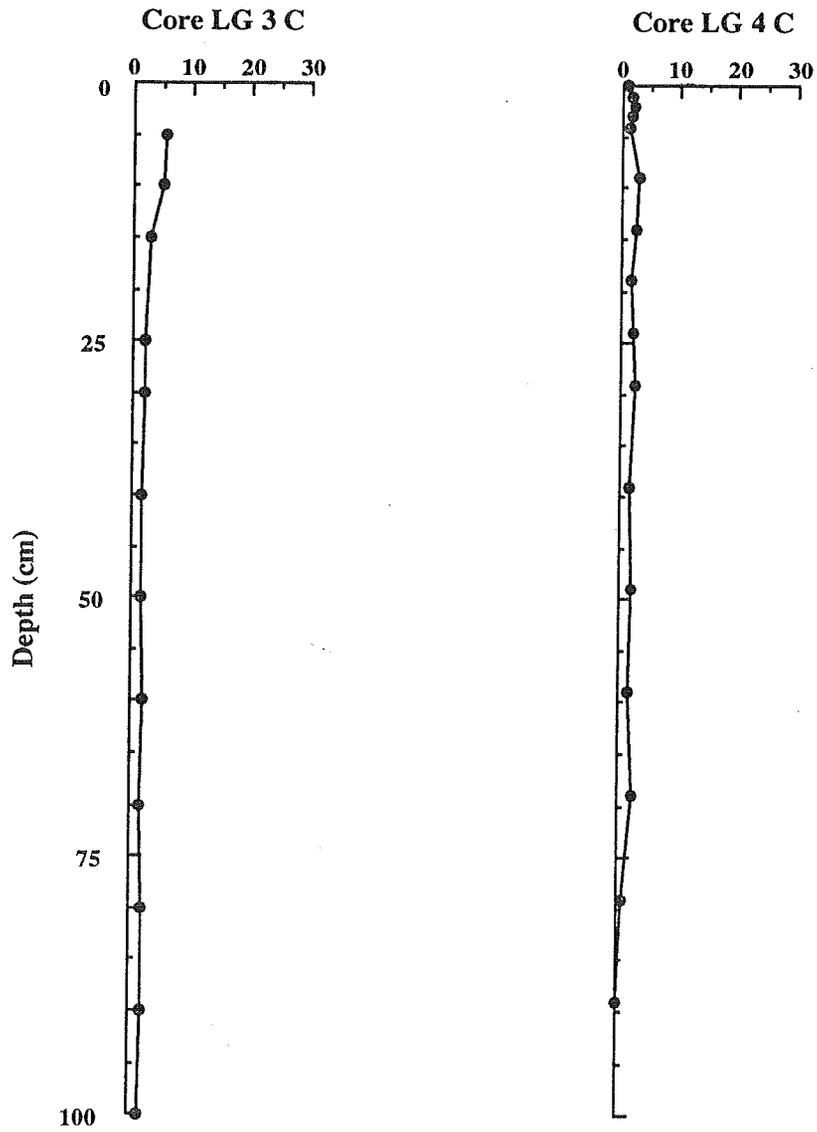
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

NICKLE
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



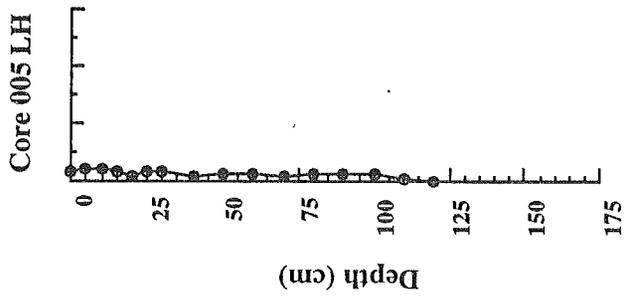
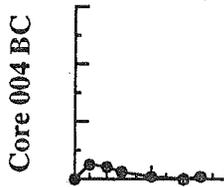
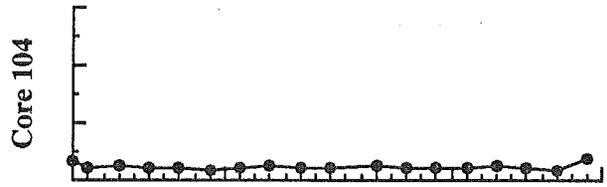
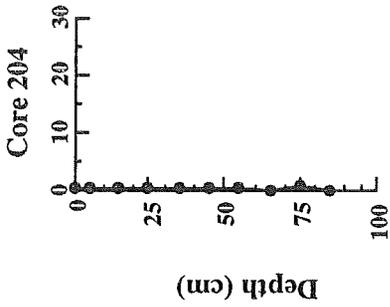
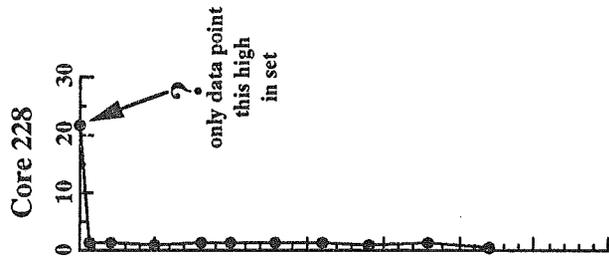
LEAD
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



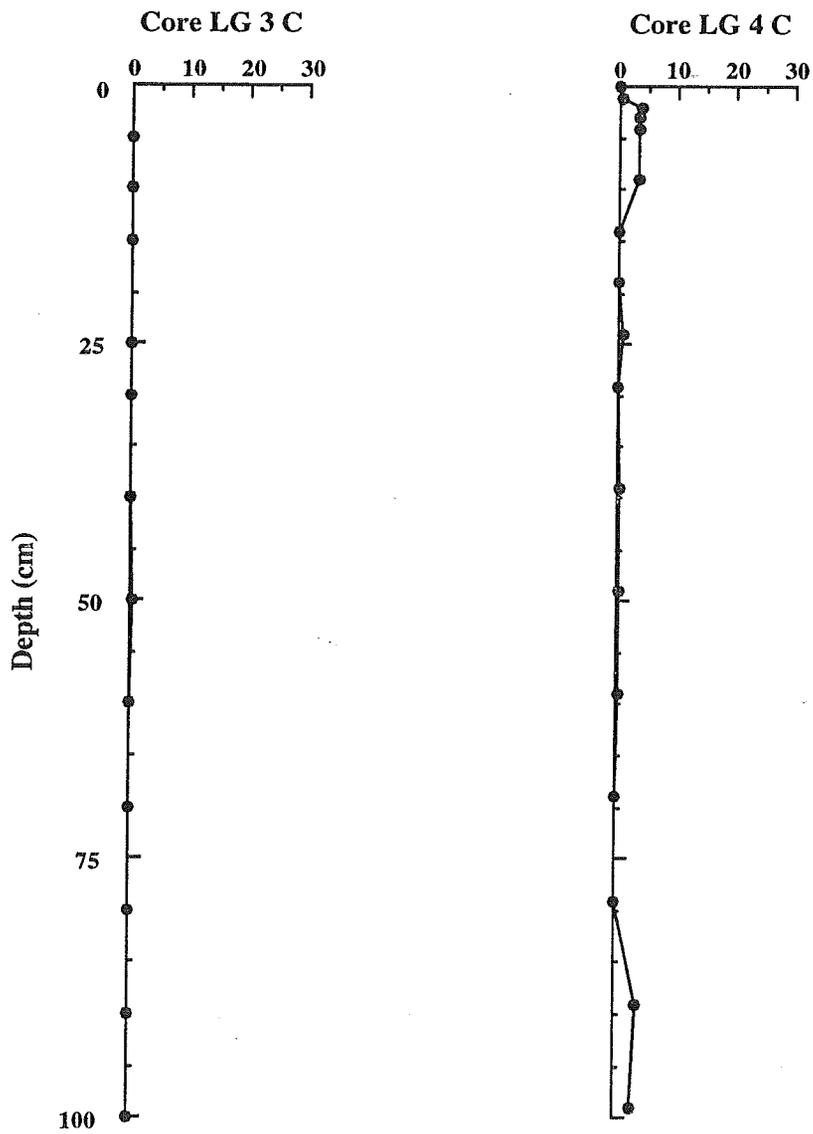
GRANDE BALEINE DELTA AND MANITOUNUK SOUND CORES

LEAD
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



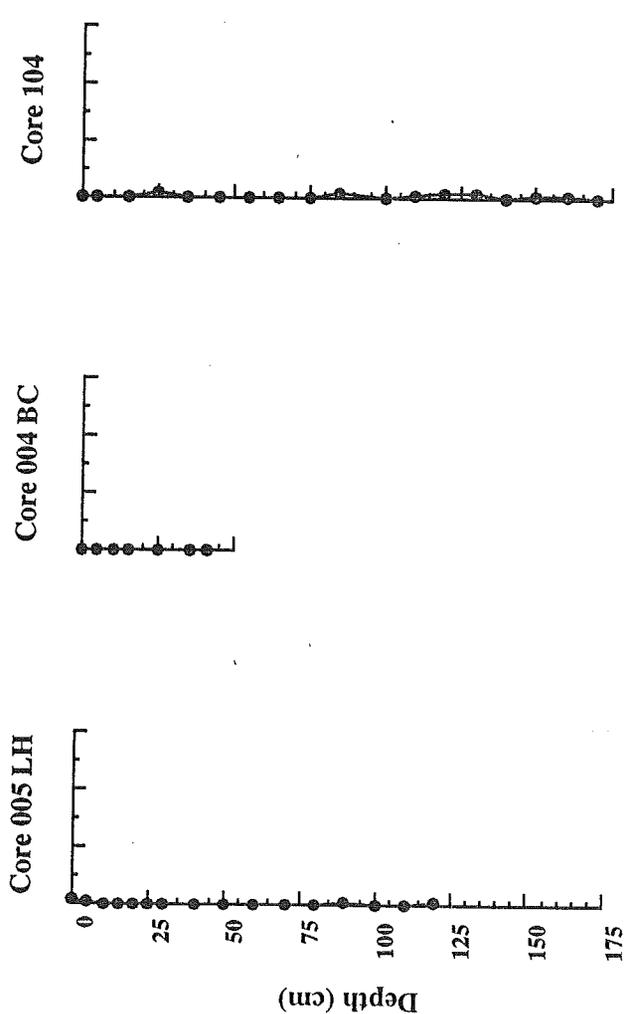
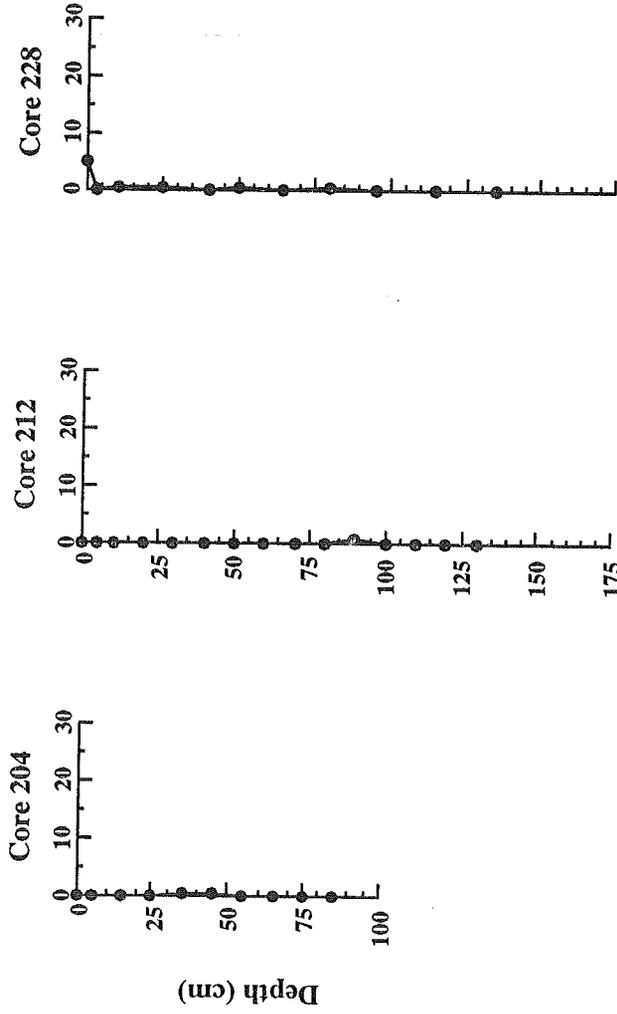
LEAD
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



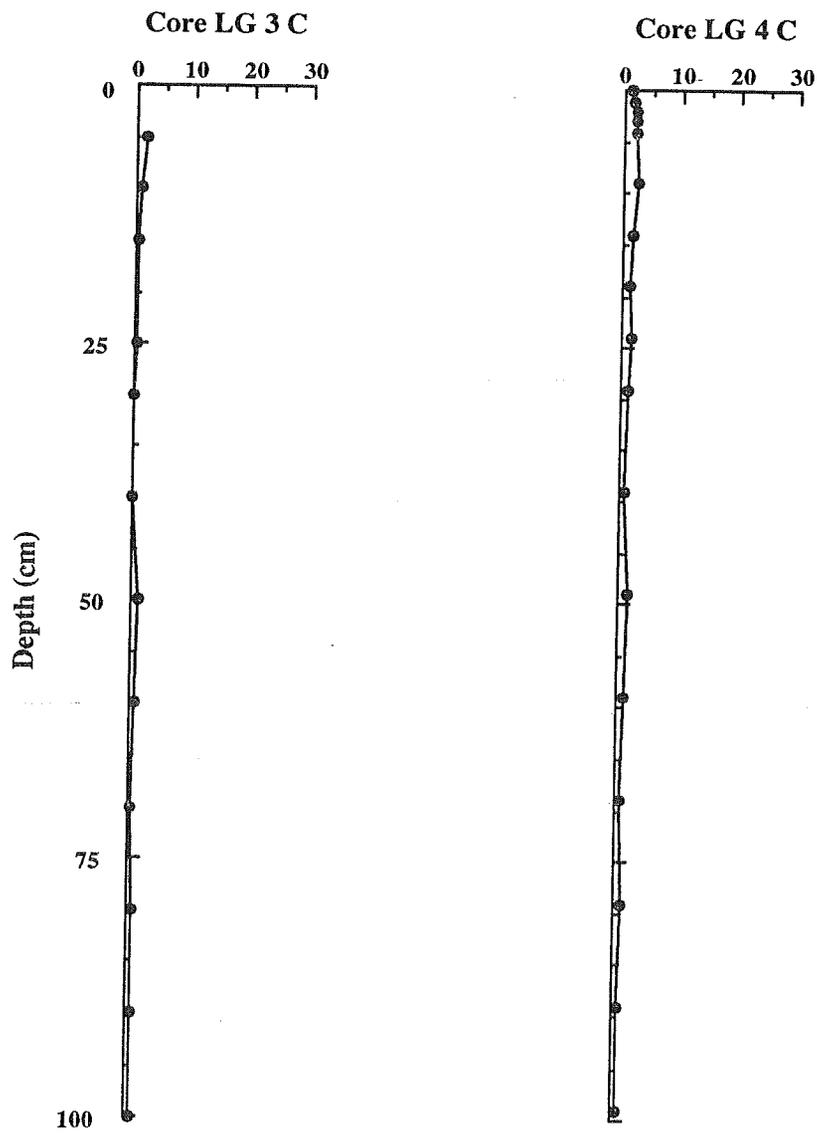
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

LEAD
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



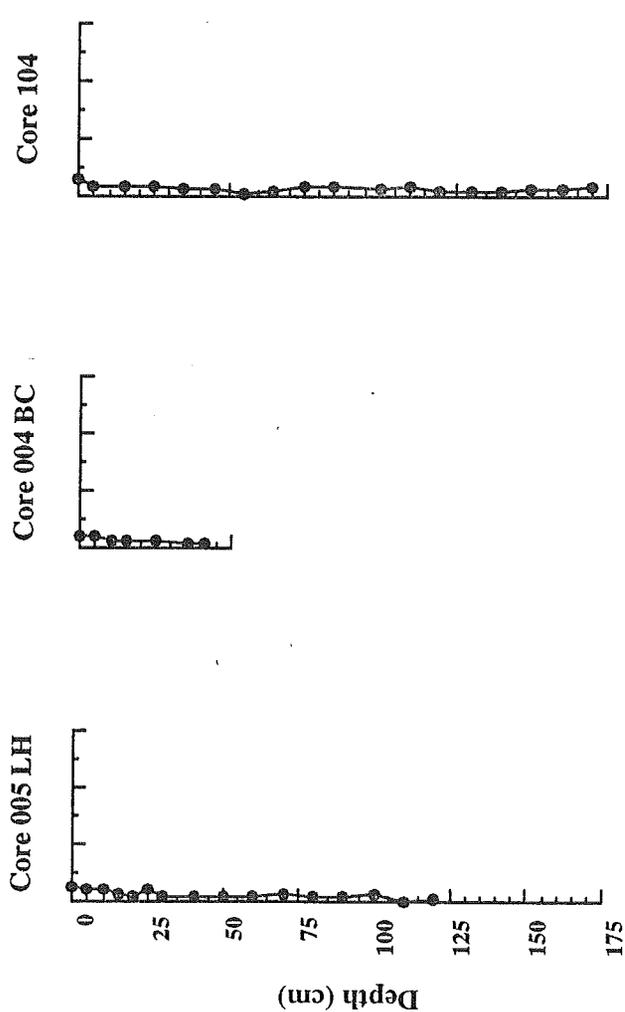
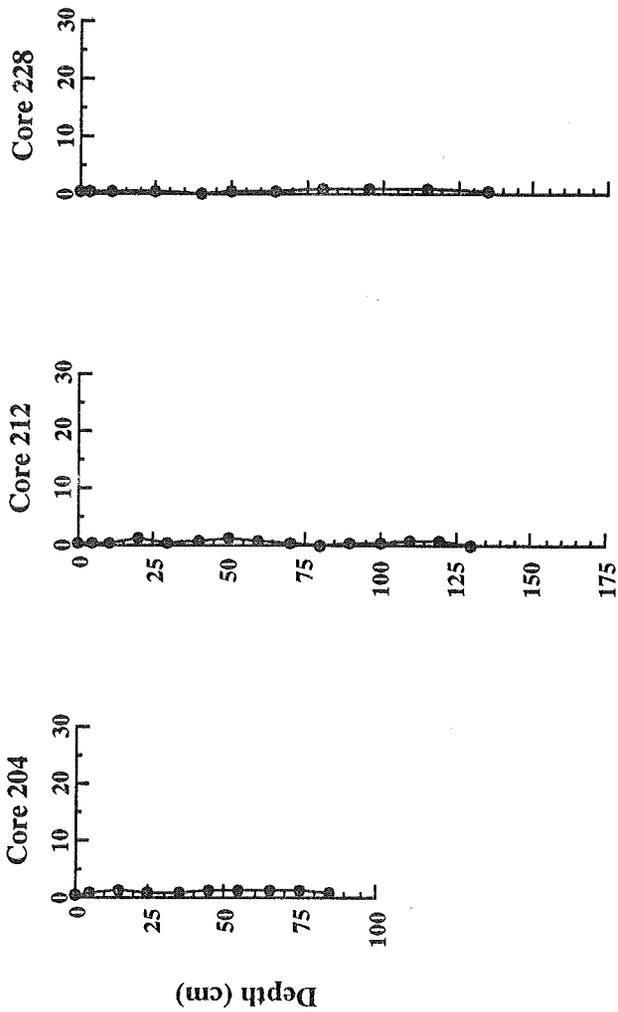
LEAD
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



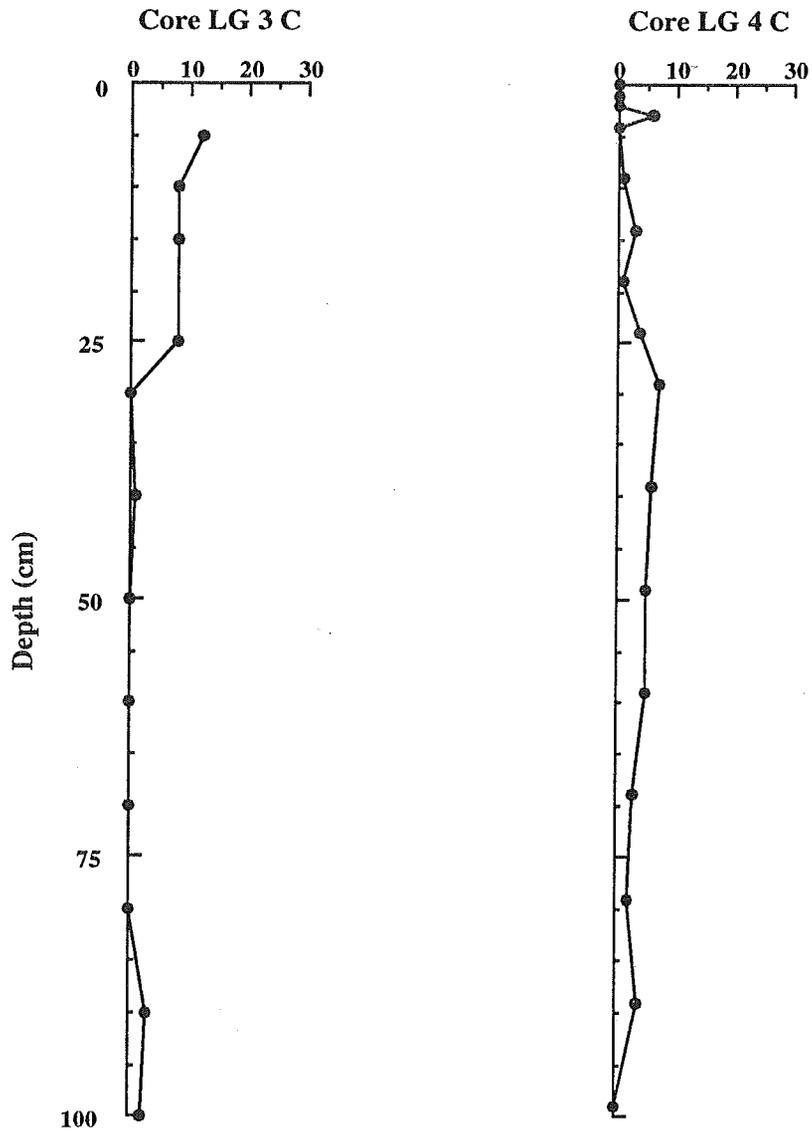
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

LEAD
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



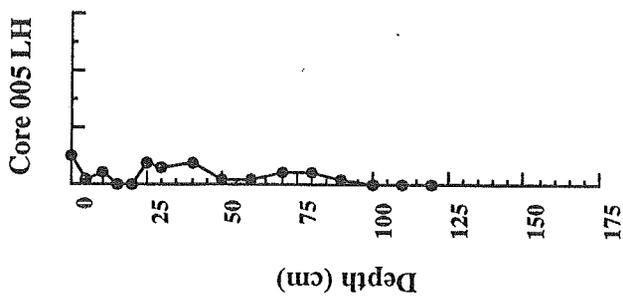
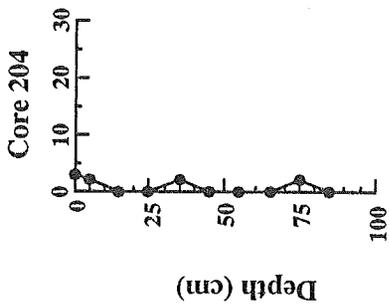
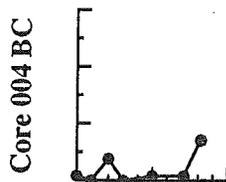
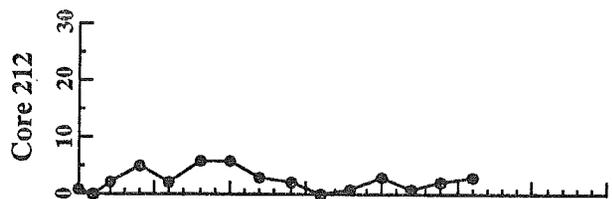
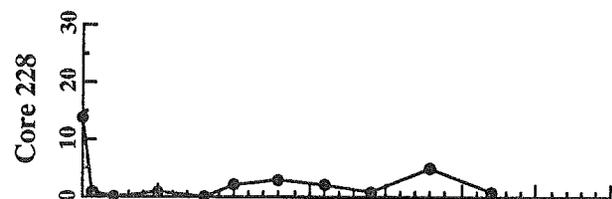
LEAD
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



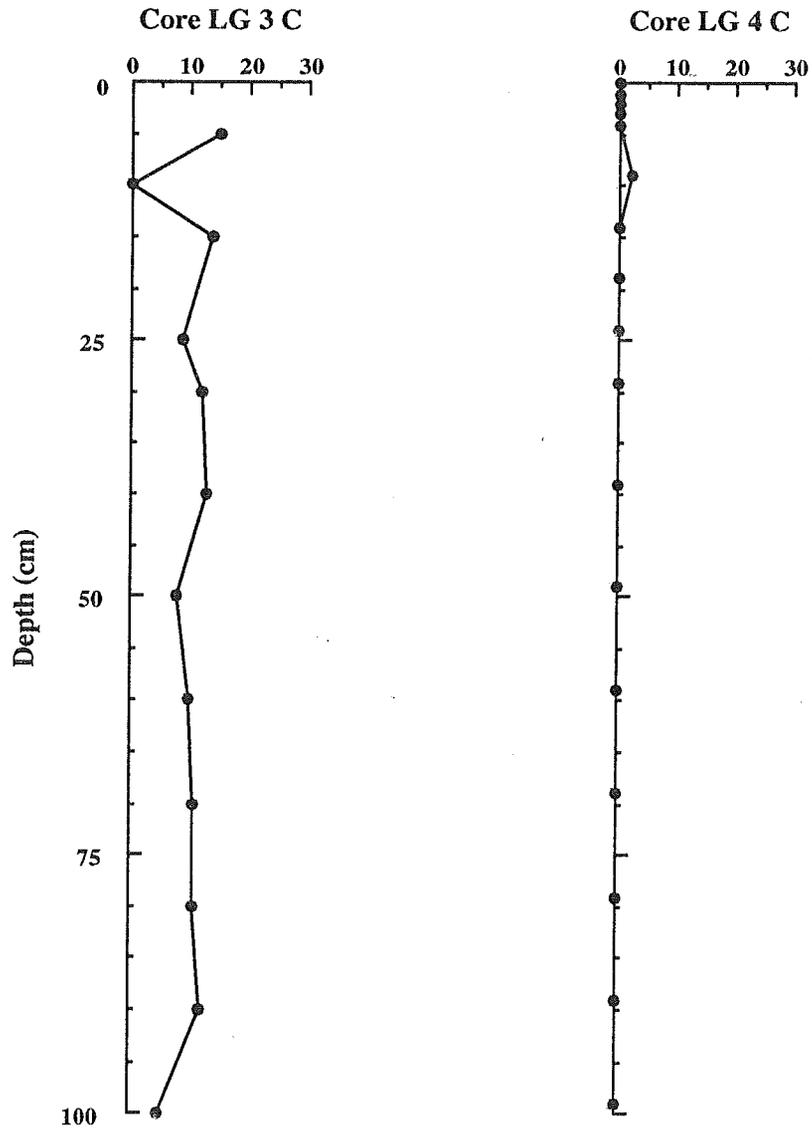
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

LEAD
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



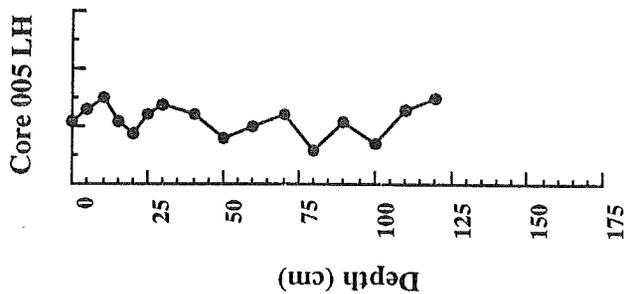
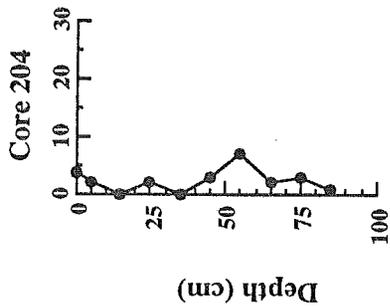
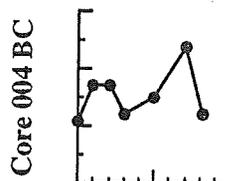
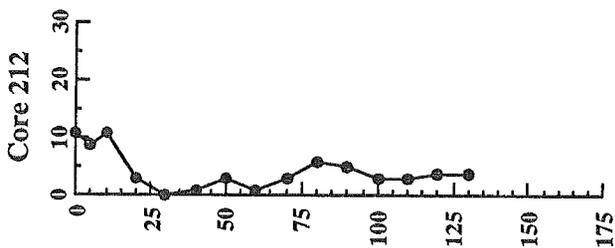
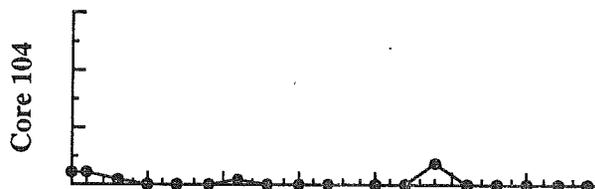
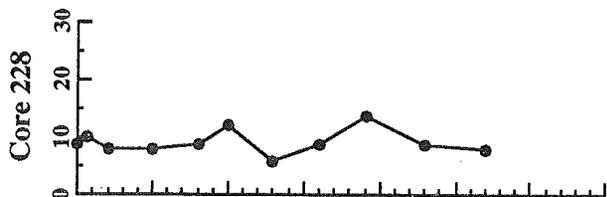
LEAD
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



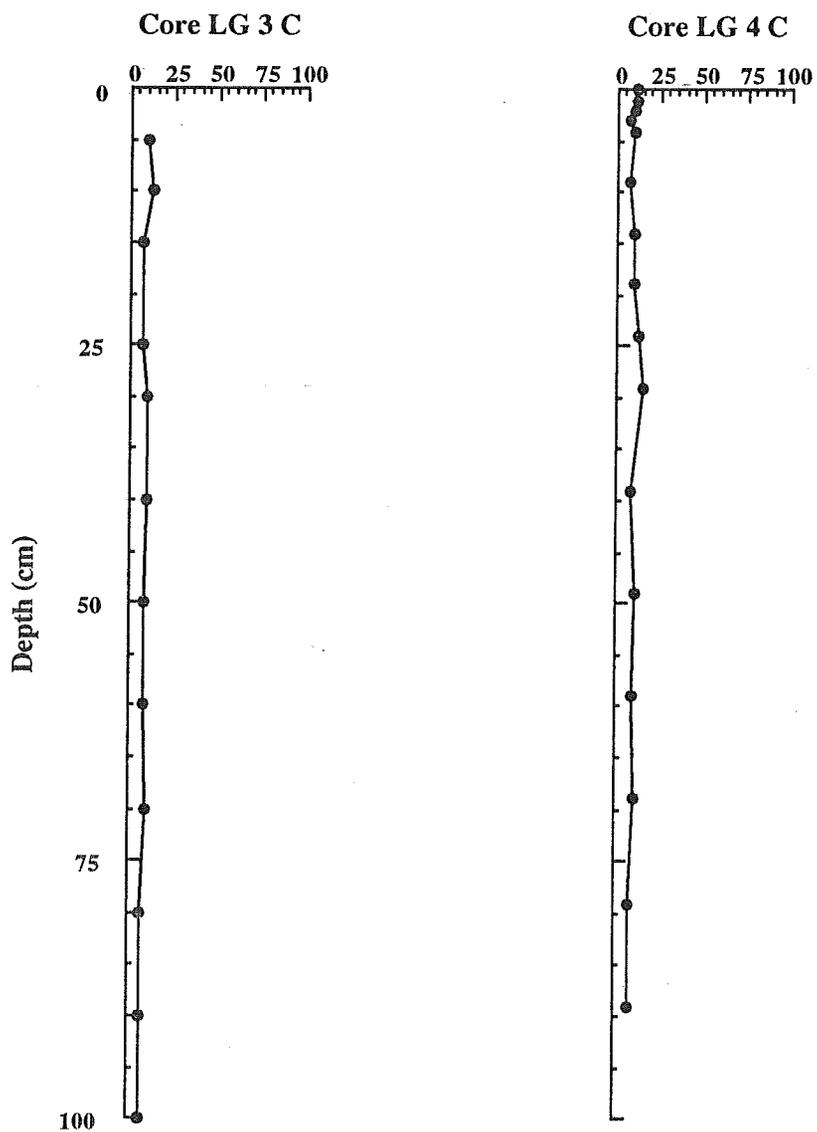
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

LEAD
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



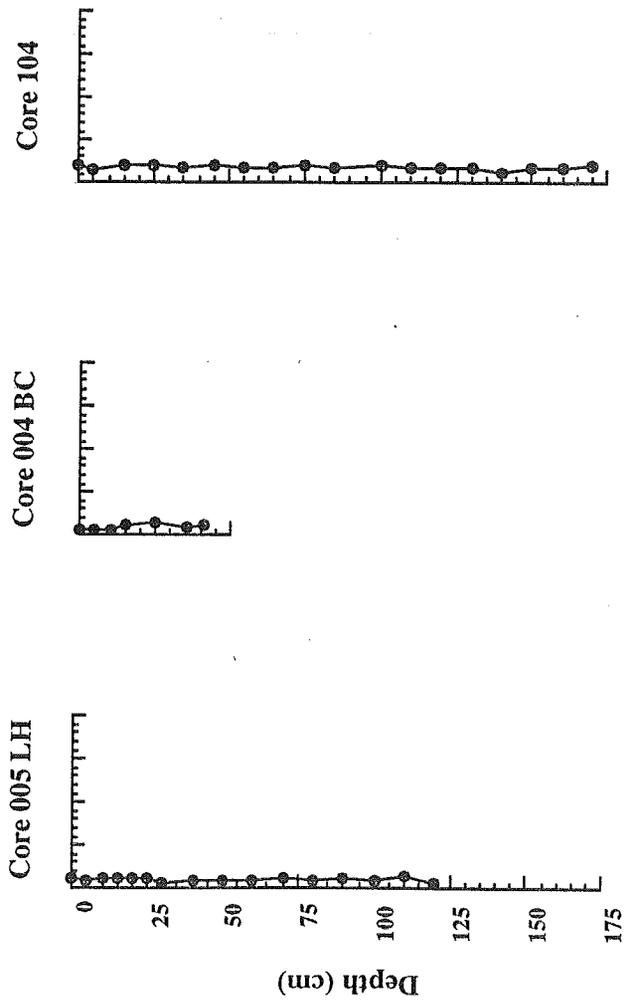
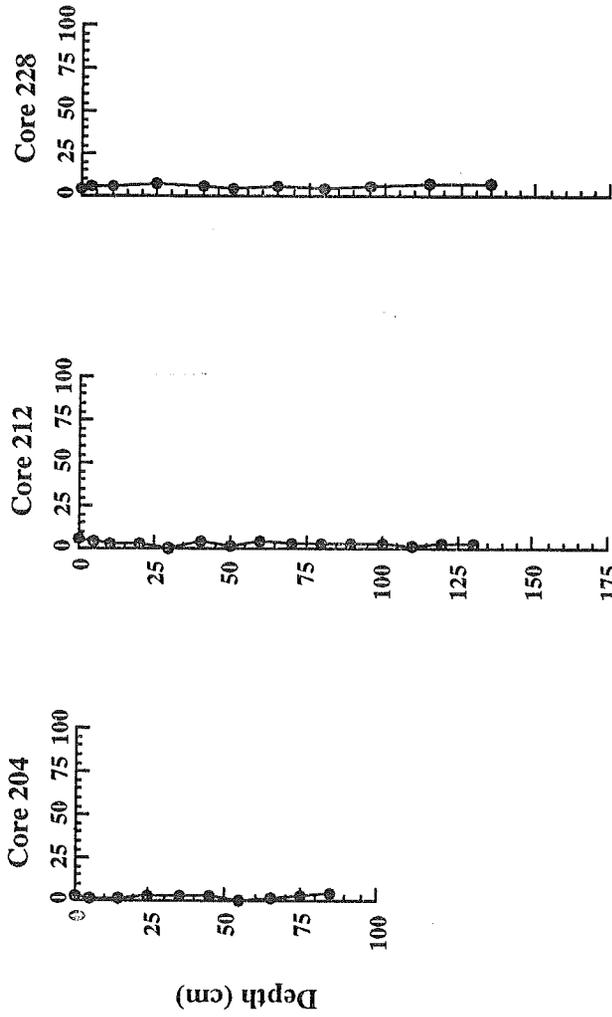
CHROMIUM
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



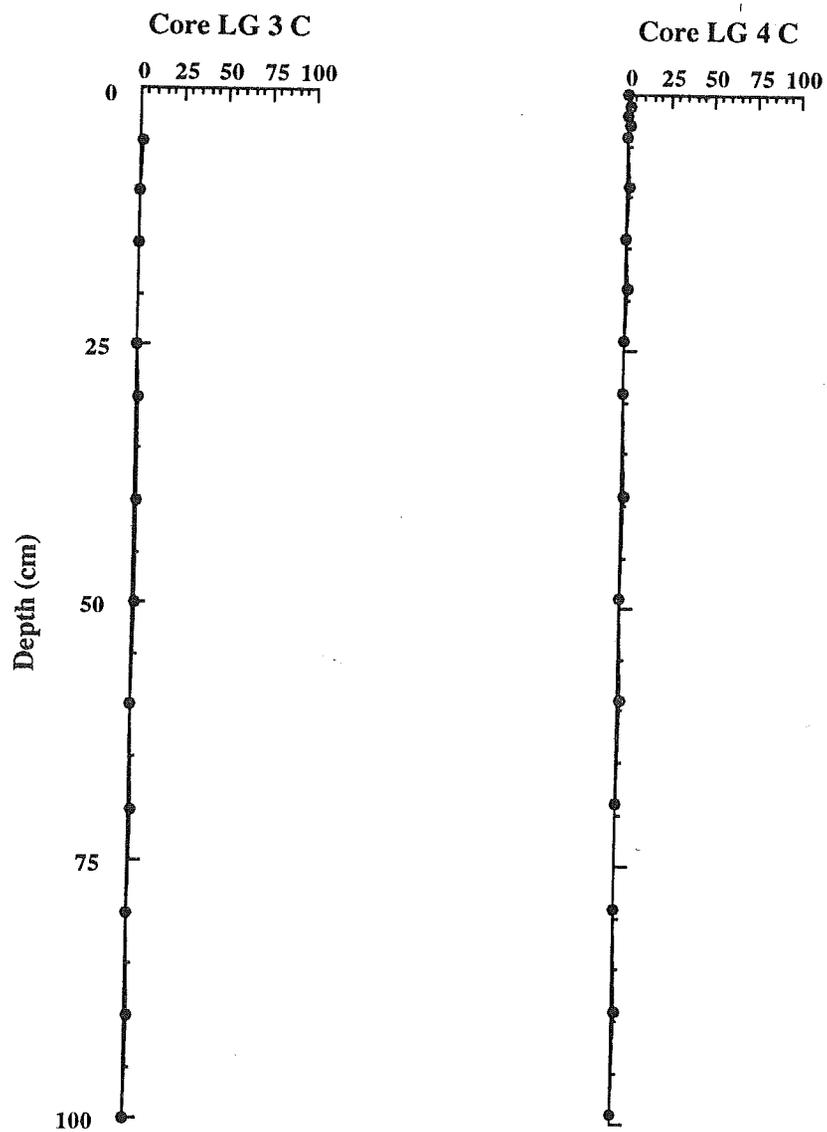
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CHROMIUM
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



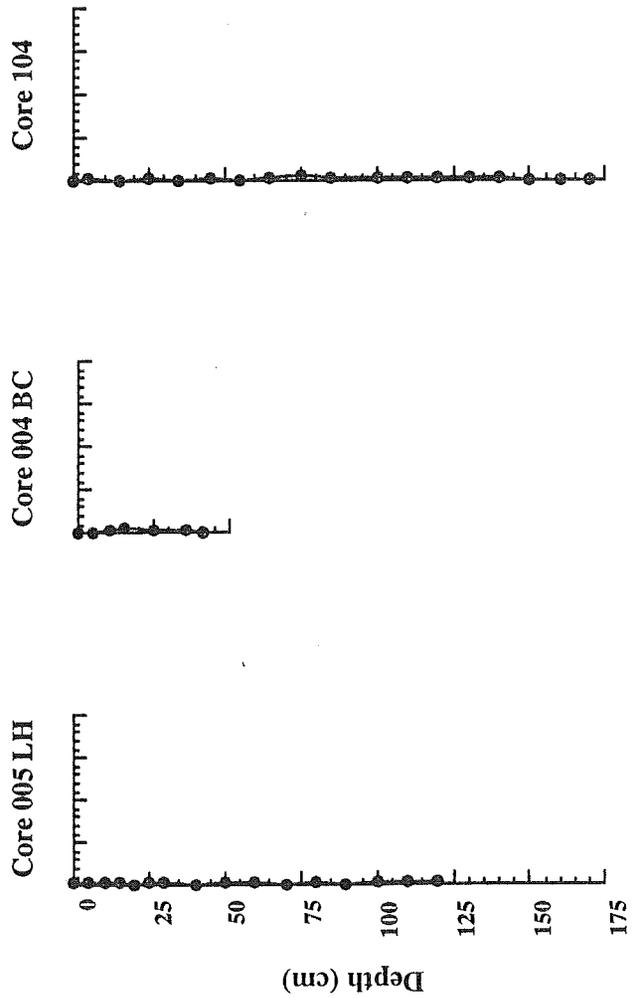
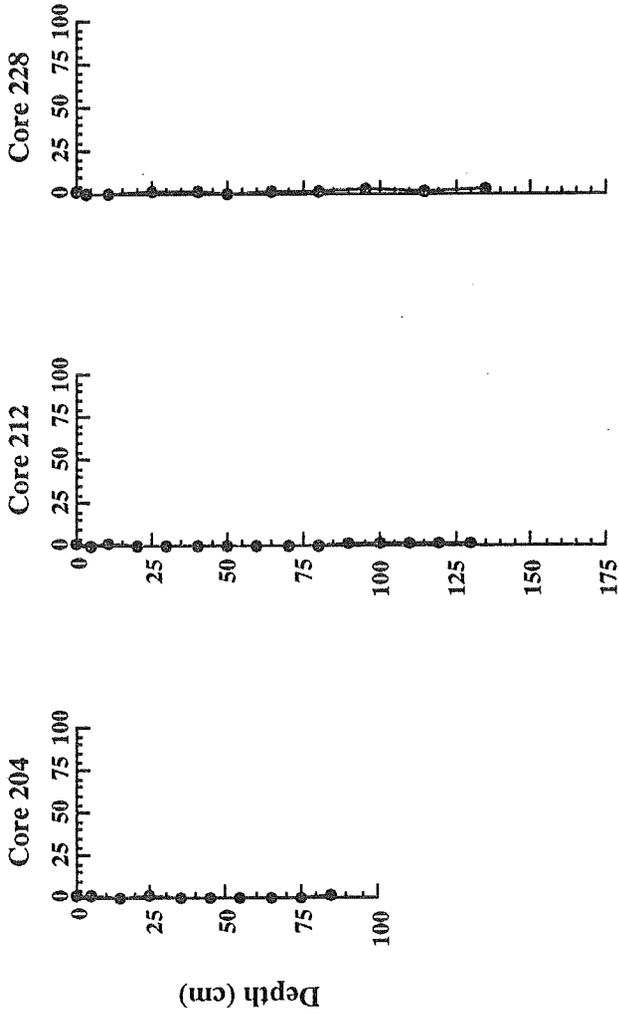
CHROMIUM
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

**LA GRANDE
CORES**



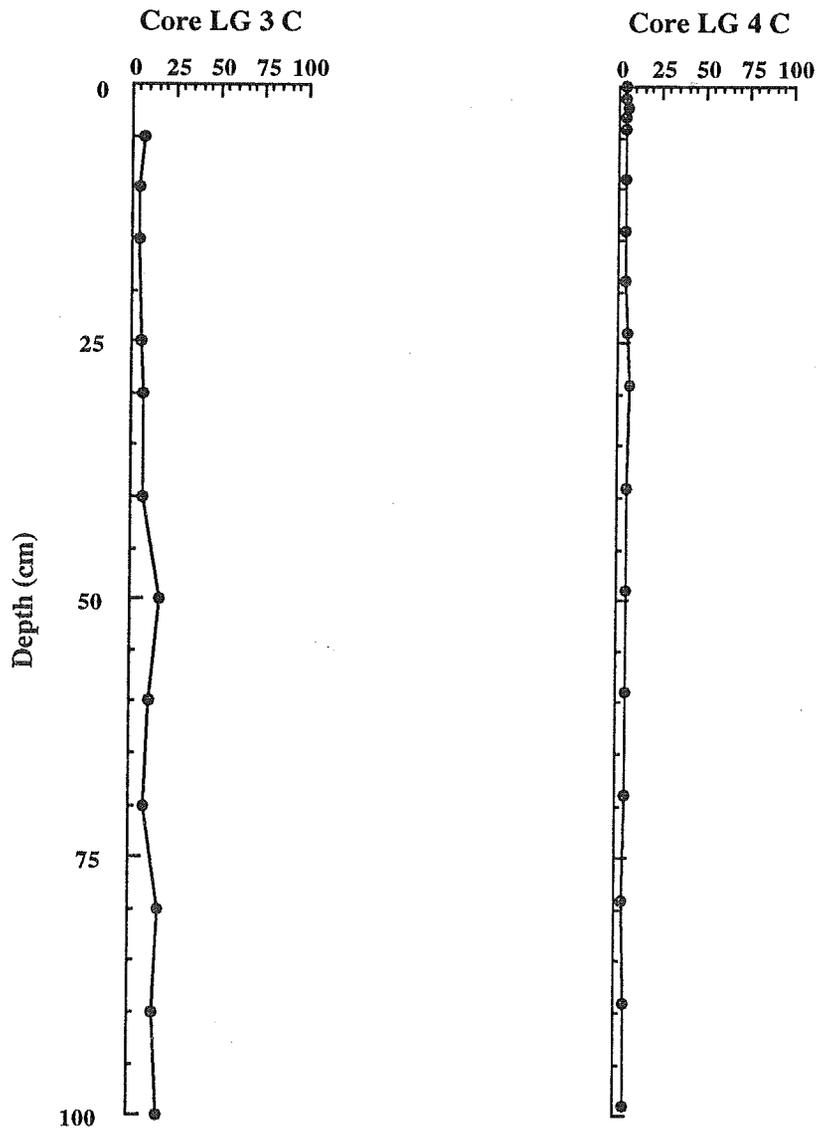
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CHROMIUM
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



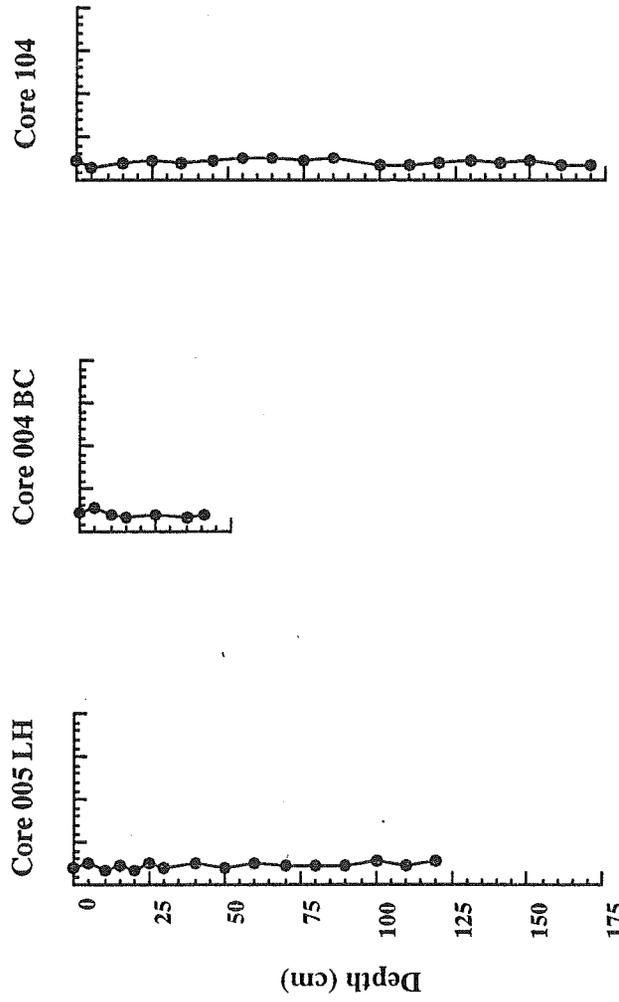
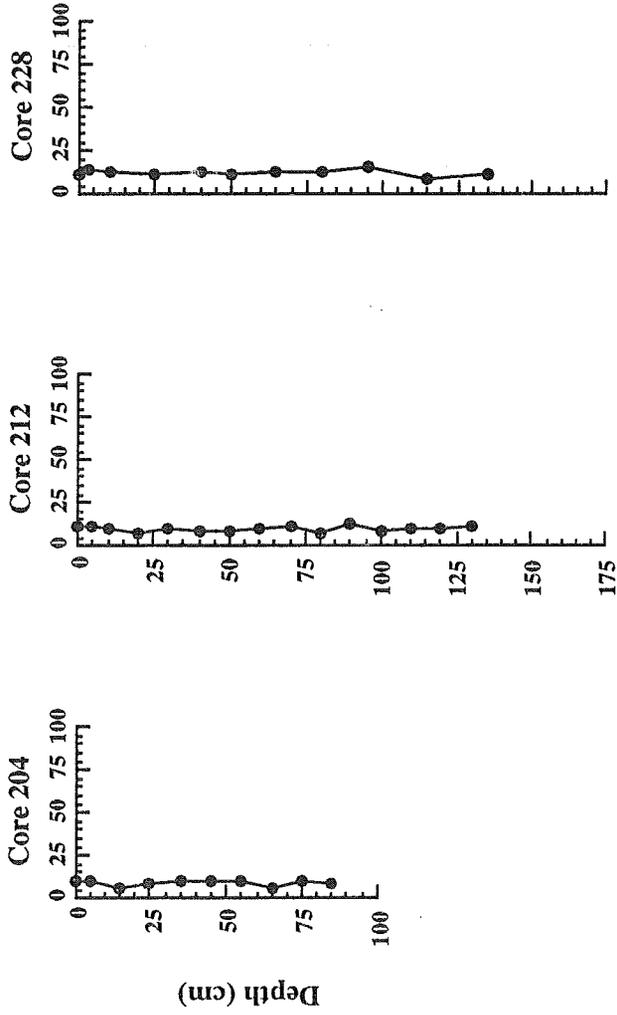
CHROMIUM
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



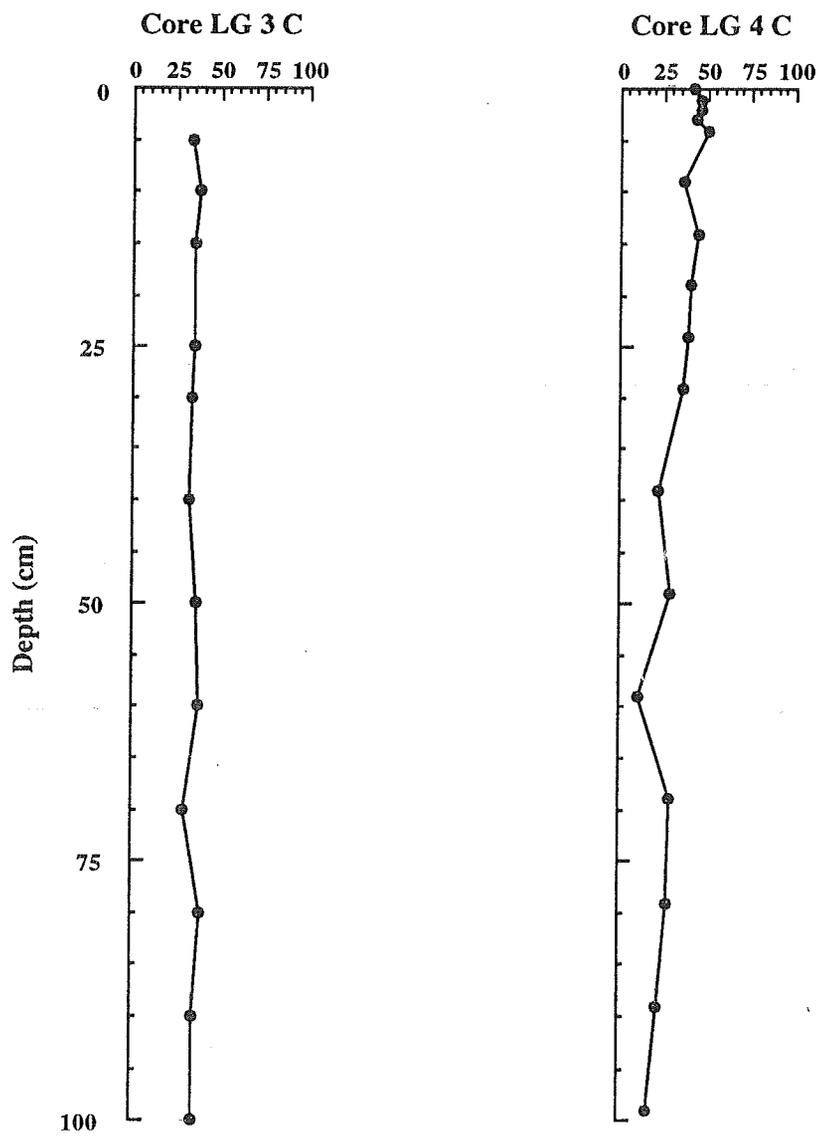
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CHROMIUM
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



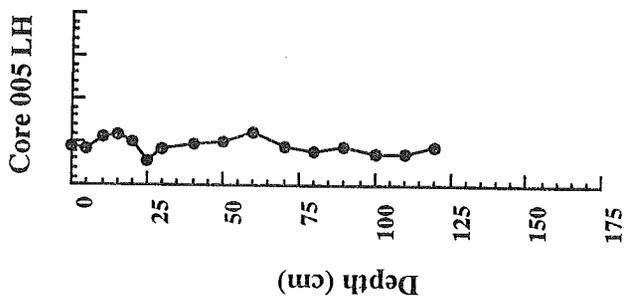
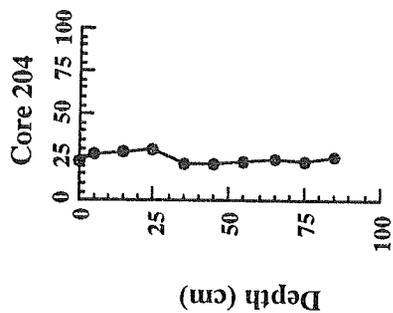
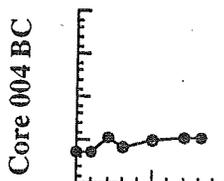
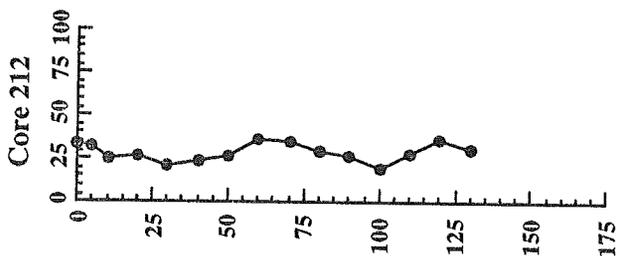
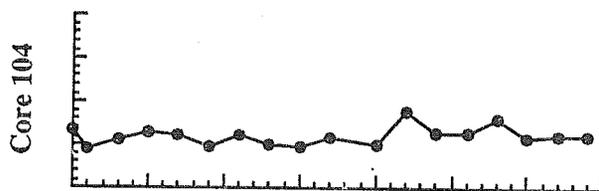
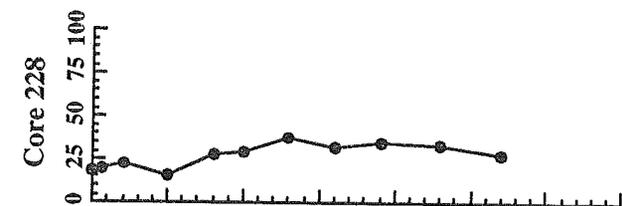
CHROMIUM
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



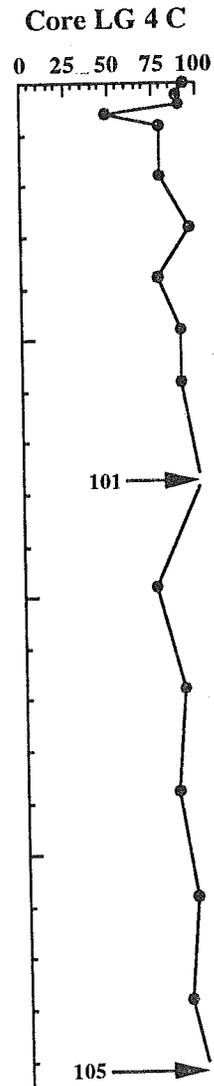
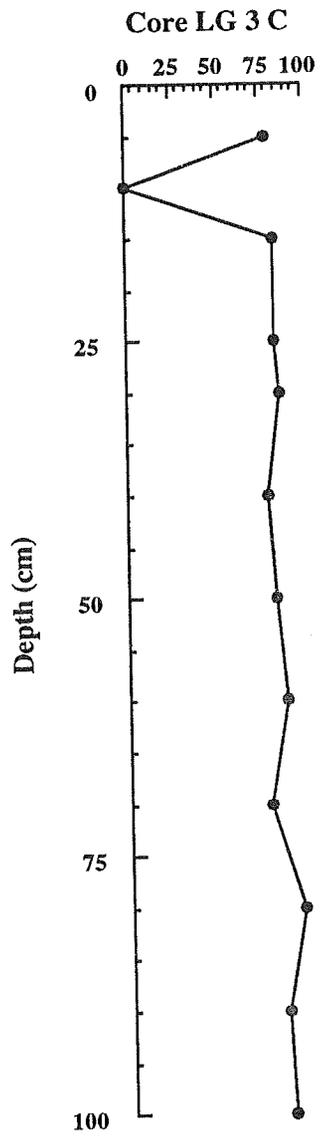
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CHROMIUM
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



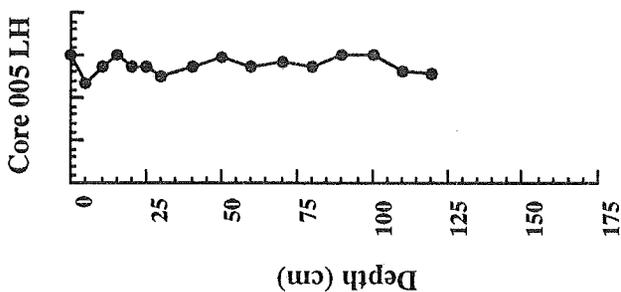
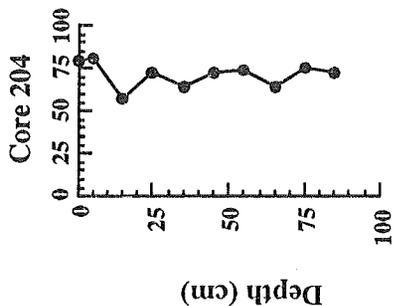
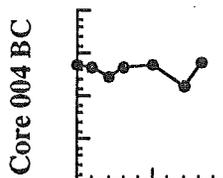
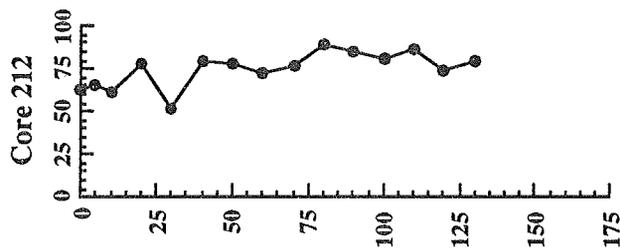
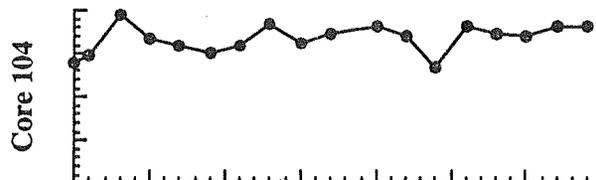
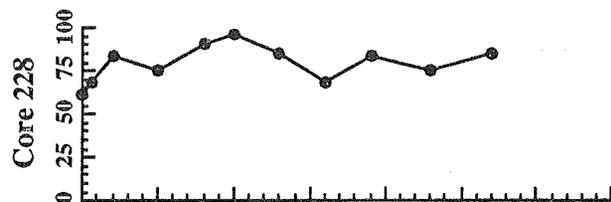
CHROMIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



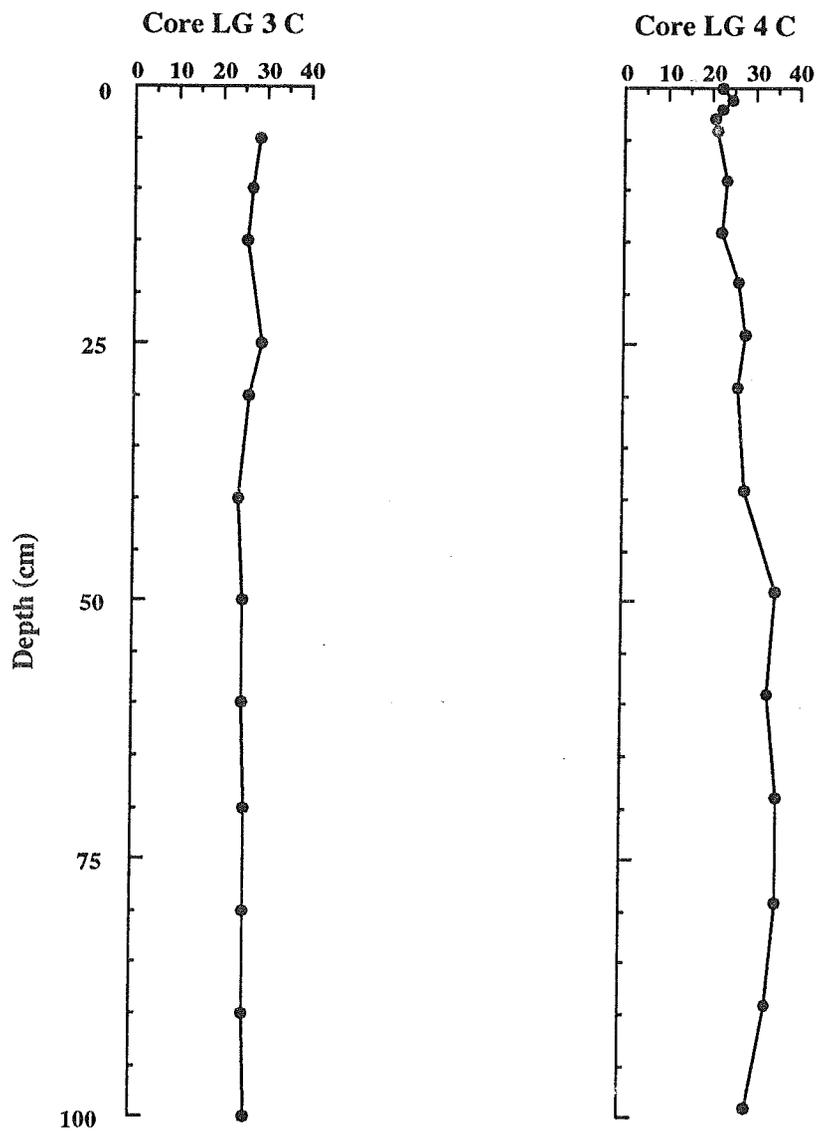
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

CHROMIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



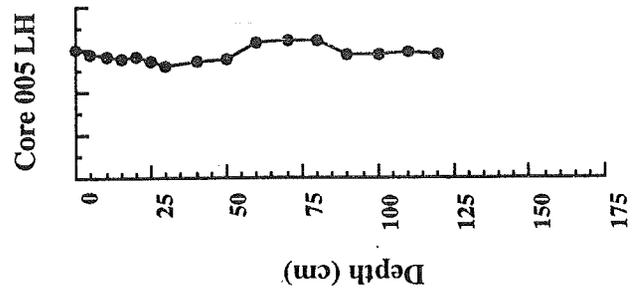
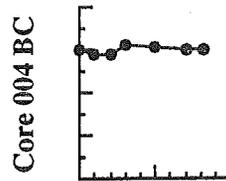
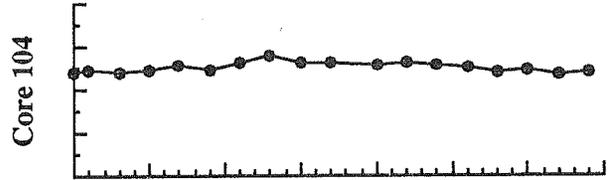
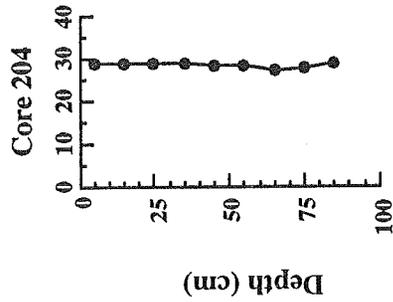
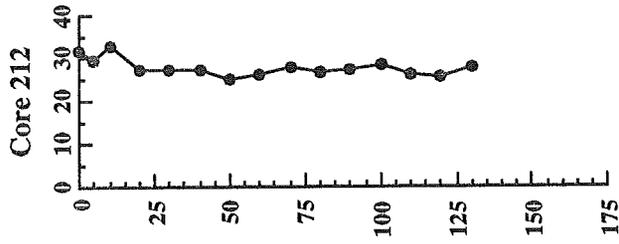
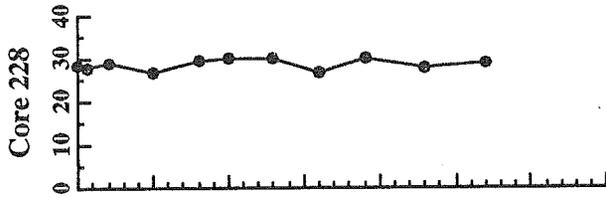
SILICON
(total)
(%)

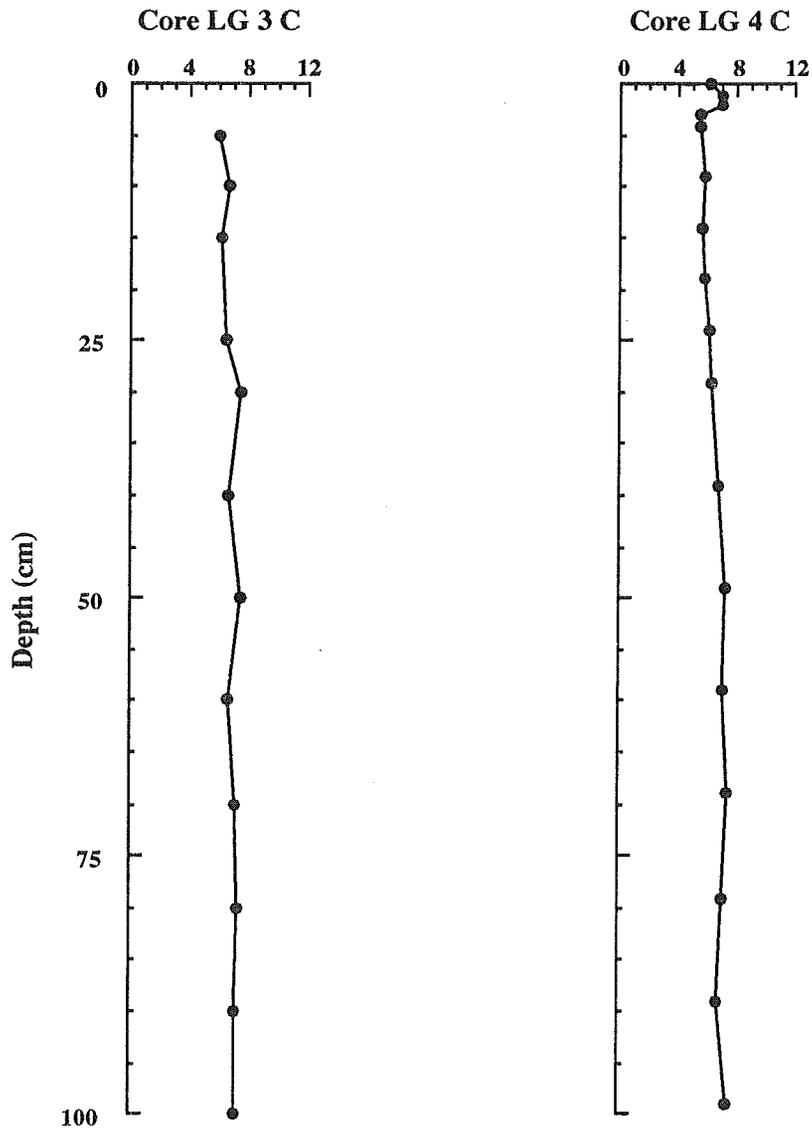
LA GRANDE
CORES



GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

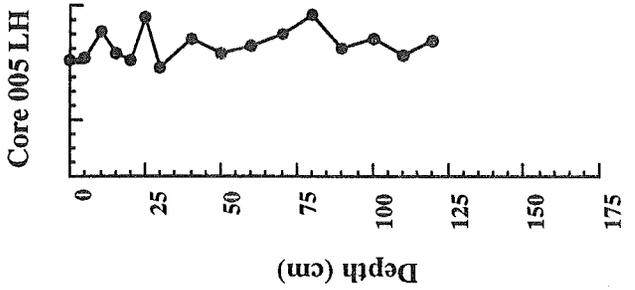
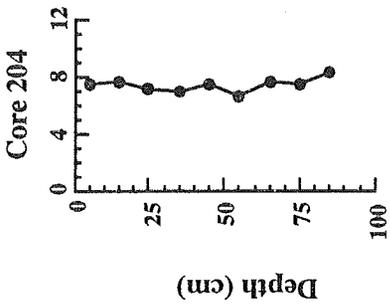
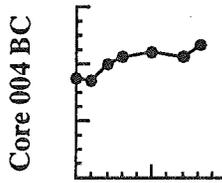
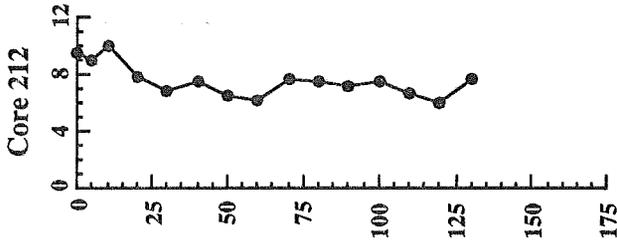
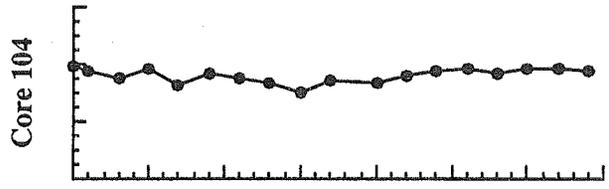
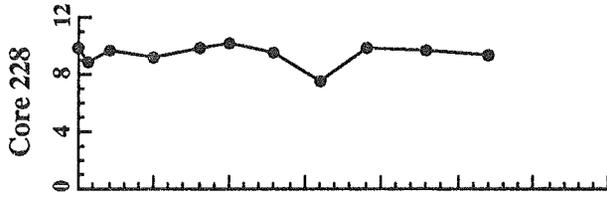
SILICON
(total)
(%)



ALUMINUM
(total)
(%)LA GRANDE
CORES

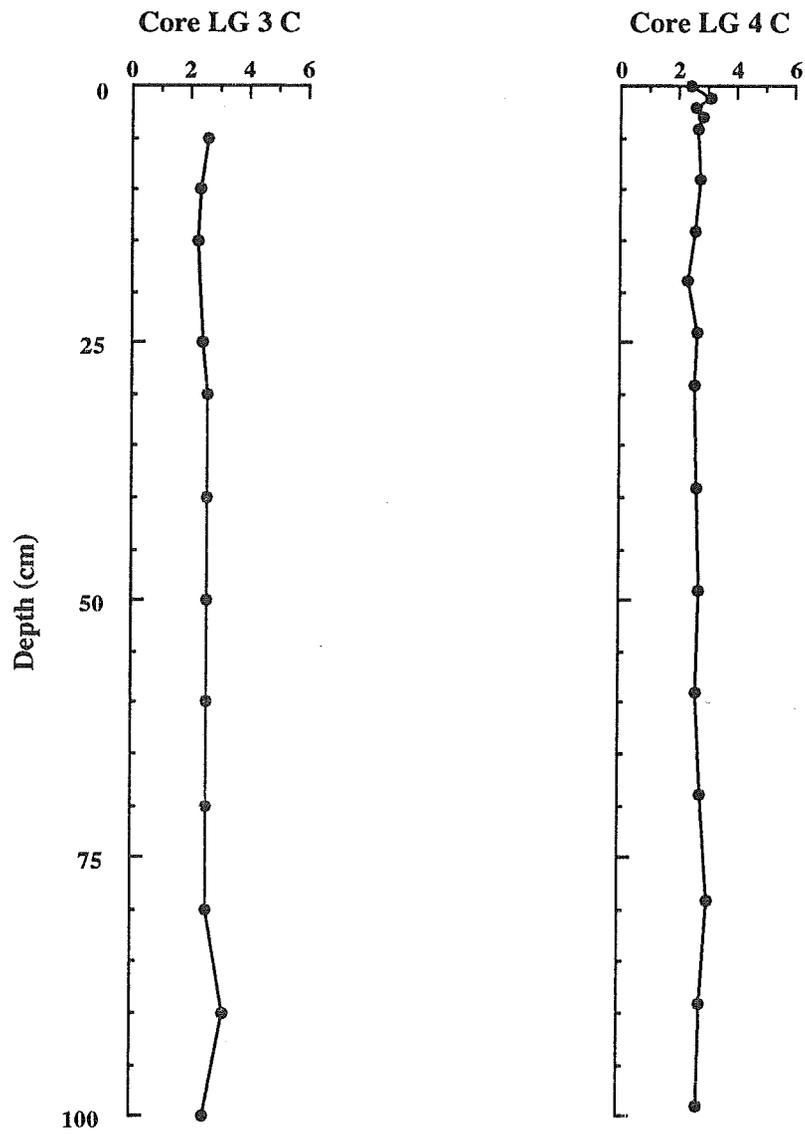
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

ALUMINUM
(total)
(%)



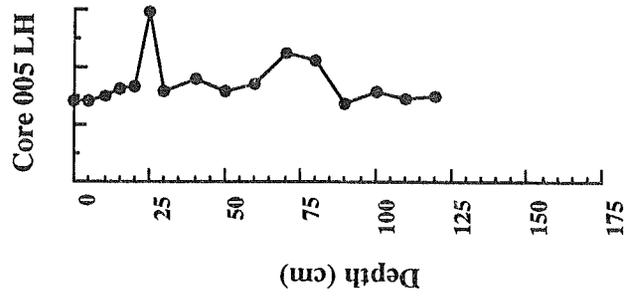
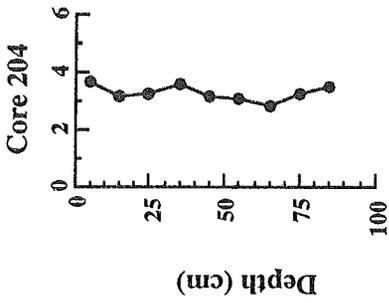
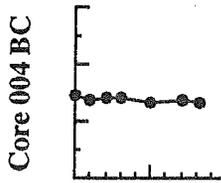
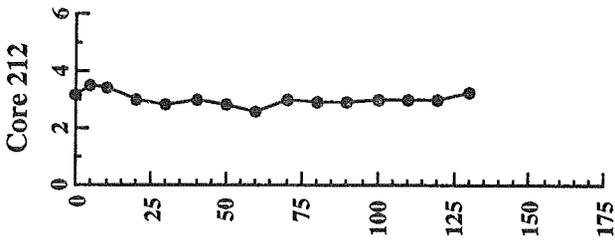
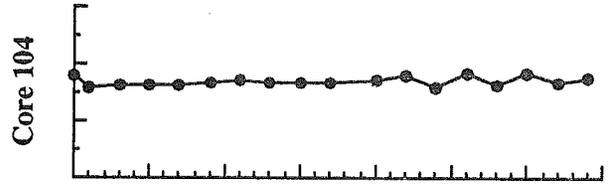
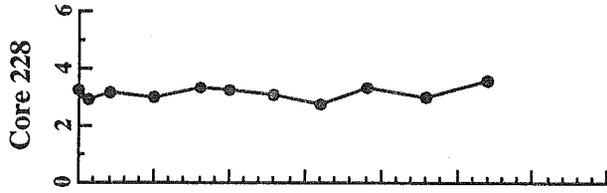
POTASSIUM
(total)
(%)

LA GRANDE
CORES



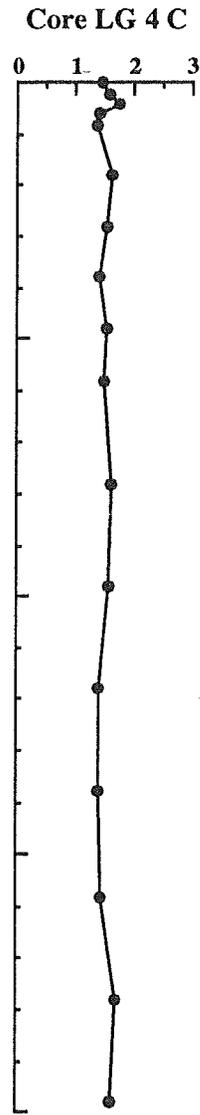
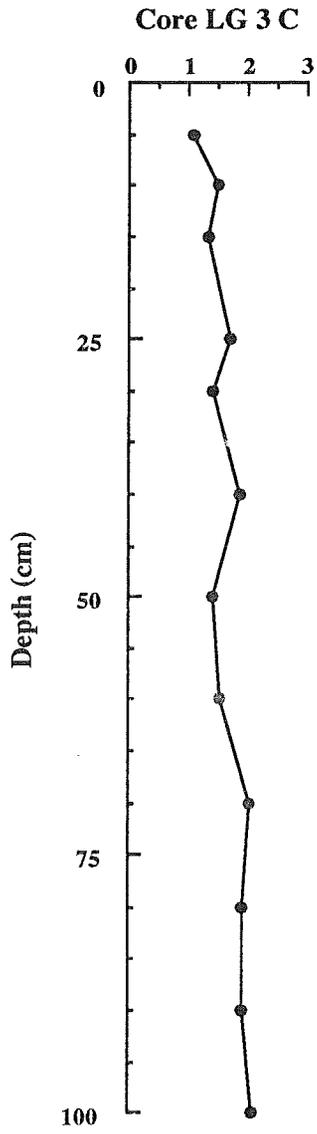
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

POTASSIUM
(total)
(%)



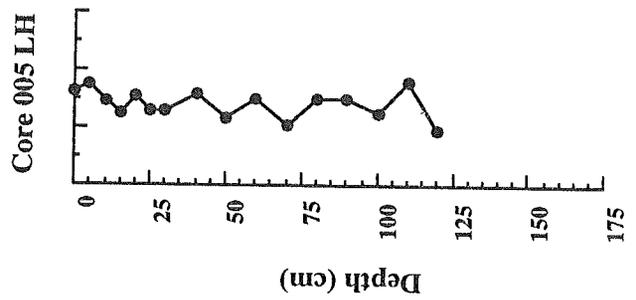
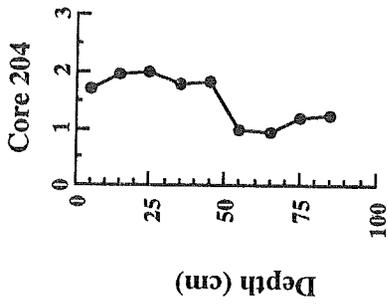
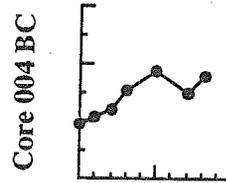
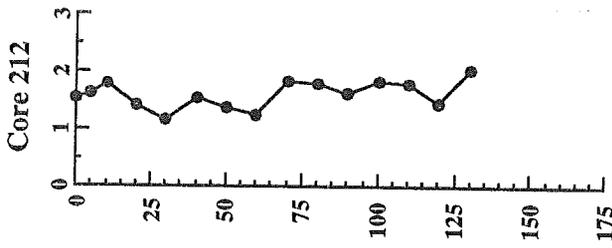
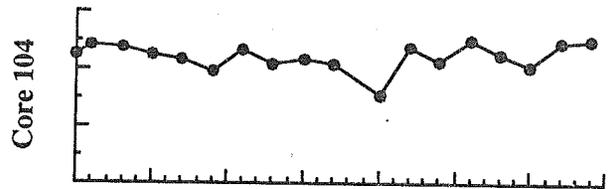
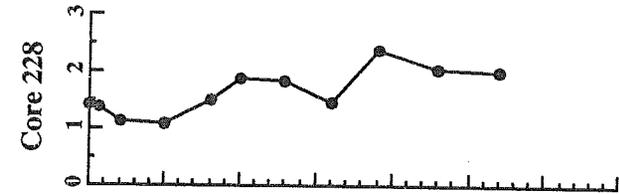
MAGNESIUM
(total)
(%)

LA GRANDE
CORES



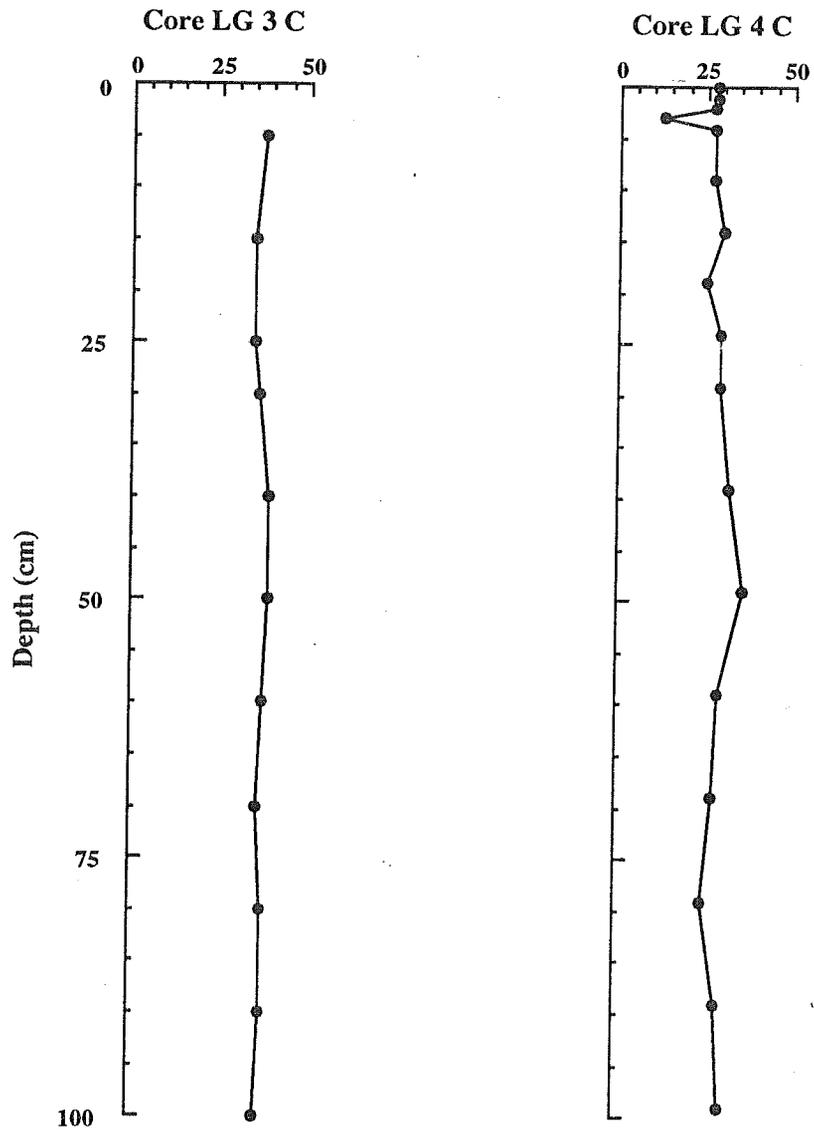
GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

MAGNESIUM
(total)
(%)



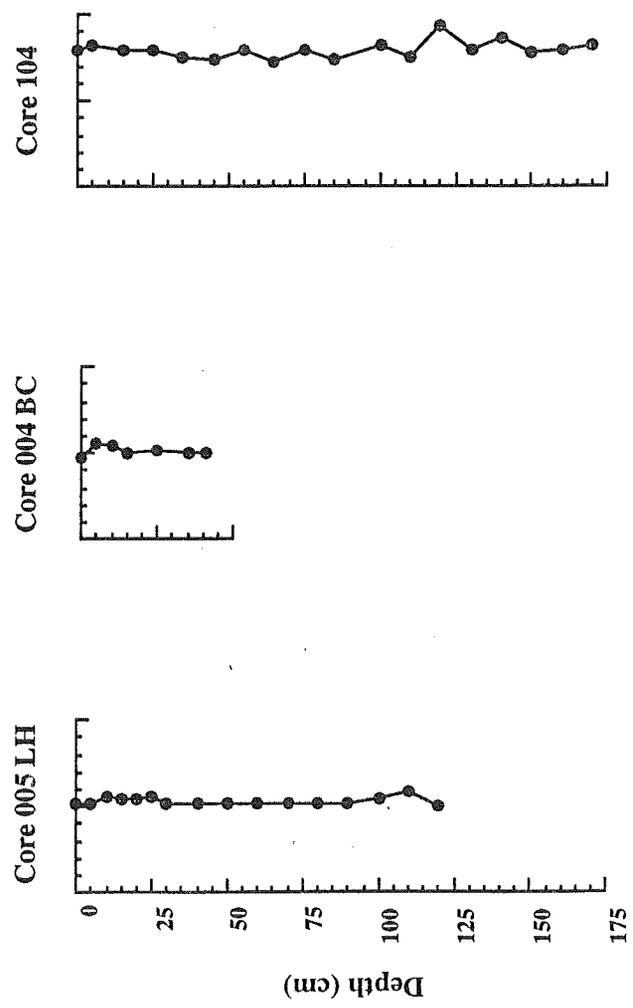
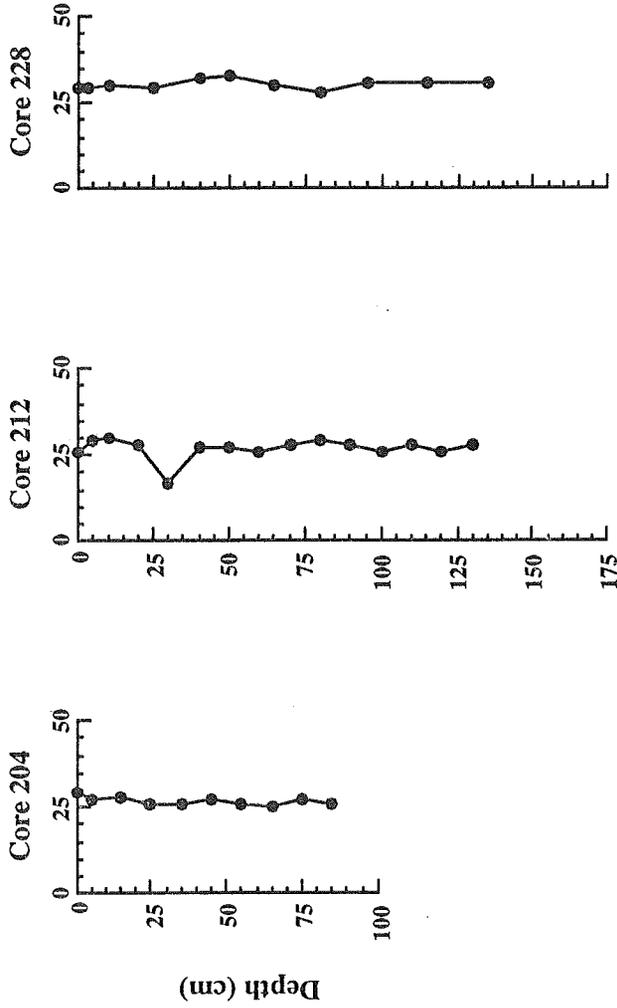
LITHIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

LA GRANDE
CORES



GRANDE BALEINE DELTA
AND
MANITOUNUK SOUND
CORES

LITHIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



ACKNOWLEDGEMENTS

The collection of the samples and analytical results published here required the cooperation and dedication of many of our colleagues at the Bedford Institute of Oceanography and other participants of the CSS Hudson and the MV Septentrion cruises. We are very grateful for the efforts of C.L. Amos, B. Ardiles, K. Bentham, A. Boyce, C. Davis, I. Hardy, L. Johnson, D. Locke, L. Lockhart, B. MacLean, Y. Michaud, R. Murphy, J. Riel, A. Robertson, M.H. Ruz, R. Sparkes, T. Sutherland and J. Zevenhuizen. We also wish to thank the captain and the crew of the CSS HUDSON and the captain and the crew of the MV Septentrion. We thank Paul Standing for assistance in laboratory analyses. We thank Iris Hardy for the critical review of this manuscript.

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