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# GEOCHEMICAL DATA FROM ANALYSES OF SEDIMENTS AND PORE WATERS OBTAINED FROM CORES COLLECTED IN HALIFAX INLET, F.R.V. NAVICULA CRUISE 89-009

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## ABSTRACT

Geochemical data are compiled for sediment and pore water analyses of 13 cores collected from the seabed of Halifax inlet, Nova Scotia, during June 1989 (F.R.V. Navicula expedition 89-009). Core station locations were chosen to be representative of different sedimentary and depositional environments, and to obtain a series of cores that would provide high resolution of the upper 100 cm of sediment.

Sediment analyses included sediment texture, water content, organic carbon, $CaCO_3$ and total metals (Si, Al, Mg, K, Ti, Li, Fe, Mn, Ca, Cu, Zn, Ni, Cr, Pb, Cd and Hg). Chemical leach techniques were used to determine the potential labile metal partitioning (Fe, Mn, Ca, Cu, Zn, Ni, Cr and Pb) 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. In addition, a separate analyses for organically bound metal was performed using $H_2O_2$ as an oxidant. Metals analyzed after this treatment included Fe, Mn, Cu, Zn, Ni, Cr and Pb.

Pore water analyses included ammonium, phosphate, silica, sulphate, total alkalinity, Fe, Mn, pH and free electrons ($p\epsilon$).

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Analytical Data Plots (continued)

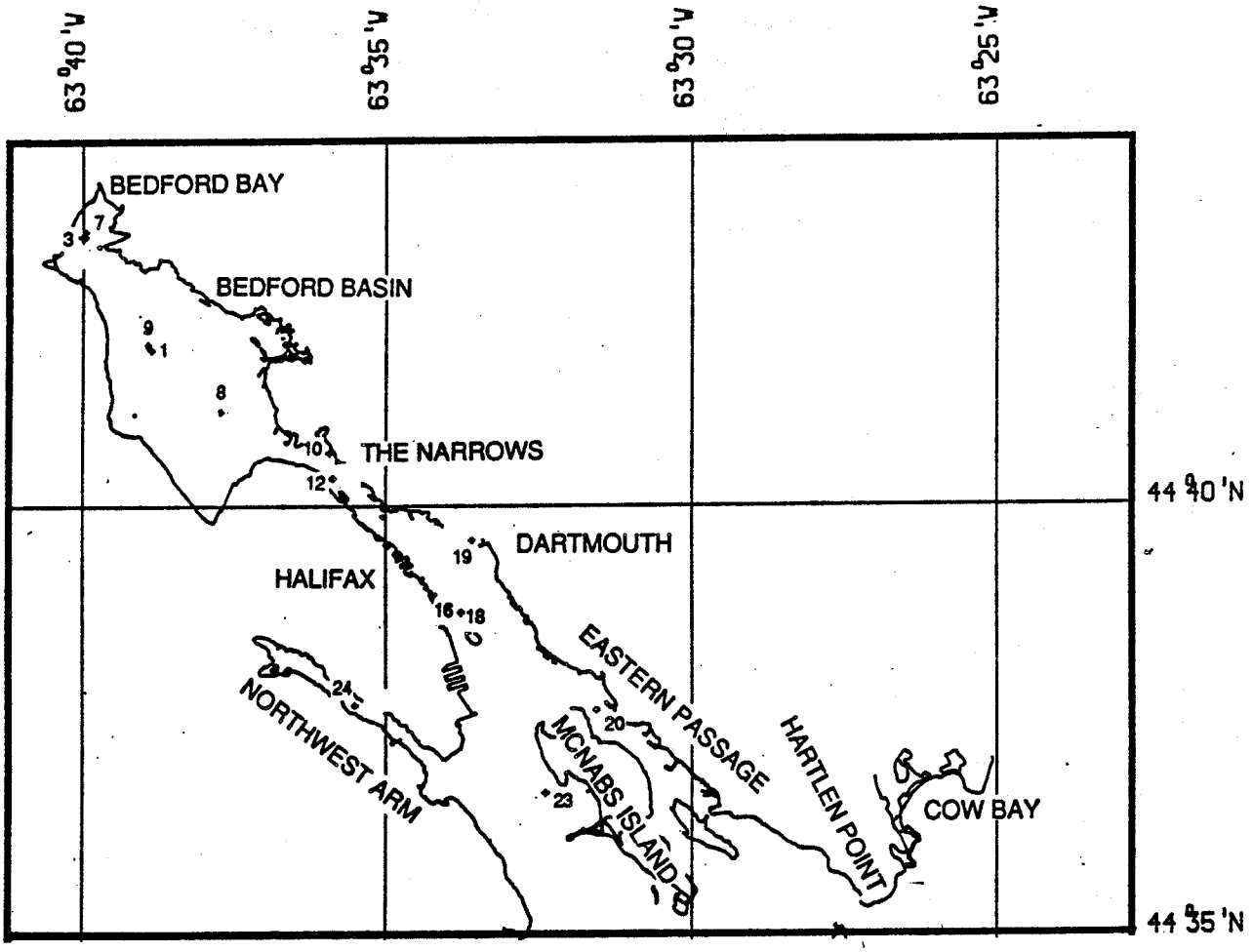



**Figure 1.** Station locations in Halifax inlet for core samples (cores 1, 3, 16, 19, and 24 were Lehigh gravity cores and cores 7, 8, 9, 10, 12, 18, 20 and 23 were Eckman-style cores).

| Core | Latitude | Longitude | Core | Latitude | Longitude |
|---|---|---|---|---|---|
| 1 | 44°41.87'N | 63°39.00'W | 3 | 44°43.19'N | 63°40.04'W |
| 7 | 44°43.17'N | 63°40.01'W | 8 | 44°41.11'N | 63°37.75'W |
| 9 | 44°41.89'N | 63°38.96'W | 10 | 44°40.63'N | 63°35.98'W |
| 12 | 44°40.32'N | 63°36.93'W | 16 | 44°38.77'N | 63°33.78'W |
| 18 | 44°38.77'N | 63°33.78'W | 19 | 44°39.64'N | 63°33.63'W |
| 20 | 44°37.66'N | 63°31.57'W | 23 | 44°36.67'N | 63°32.43'W |
| 24 | 44°37.70'N | 63°35.52'W | | | |

## INTRODUCTION

Five gravity and 8 box cores from Halifax Inlet, Nova Scotia, (Fig. 1) have been analyzed for a number of geological and geochemical parameters. Core samples were collected from the Bedford Institute of Oceanography coastal vessel F.R.V. Navicula. This report contains analytical results for both sediment and pore water subsamples. Other data relating to this scientific cruise are given in Miller et al (1989).

## METHODS

### Sampling

The AGC Lehigh gravity coring system was used routinely for coring. It had a capacity of obtaining up to 1.5 m long, 10 cm diameter cores from fine-grained sediment. Box coring was done using a specially designed and modified 30 cm cubic Eckman-style corer. Push cores (10 cm diameter) were subsampled from these box cores for geochemical testing. All core samples (gravity and push cores) were vertically extruded and sampled at selected 1 cm intervals.

Sediment pH and pε analyses were conducted on the freshly exposed surfaces of the extruded core prior to subsampling. Sediment pH was determined using a combination pH electrode that was standardized with Palitsch buffer at pH 8.2 (Whitfield, 1969). A precision of $\pm 0.05$ pH units was achieved routinely within a 2 minute time period. A combination platinum electrode, standardized in Zobell solution, was used to determine the redox potential as pε (Whitfield, 1969). Voltage was recorded for 90 s to account for electrode drift. Redox potential was calculated from the potential difference relative to the standard hydrogen electrode. Precision was estimated to be $\pm$ 0.2 pε units.

Subsamples from the cores were taken immediately after redox measurements had been completed. Approximately 50 $cm^3$ of mud was obtained by inserting a modified plastic syringe piston-subsampler into the sediment. This subsampling was performed in an open atmosphere. It was assumed that oxygen effects were minimal for short exposure times. Intervals for subsampling were 1 cm for all box cores and the top 15 to 30 cm of most gravity cores. The deeper portions of the gravity cores were subsampled at 5 cm intervals. Sediment subsamples were placed in 50 mL plastic centrifuge tubes, sealed and refrigerated at 4 to 10 °C until the pore water could be extracted.

Pore water was extracted from the sediment subsamples by centrifugation at 3000 rpm for 30 minutes in a Sorvall$^R$ RT600B refrigerated centrifuge. Between 5 and 20 mL of pore water were obtained from most samples. After centrifugation, pore water was decanted from the centrifuge tubes and filtered through 0.4 $\mu$m Nuclepore filters. Pore water subsamples were immediately analyzed for pH, total alkalinity, ammonium, phosphate and silica. The remaining pore water was

acidified (pH 2) with HCl and stored for later metal analyses (Fe and Mn) and for silica ($SiO_2$). The sediment remaining in the centrifuge tube was sealed and placed in refrigerated storage for later analyses for total and extractable metals, grain size, total carbon and organic carbon.

**Pore Water Analyses**

Dissolved ammonia ($NH_4^+$) in pore water was determined by colorimetric absorbance of the oxidized nitrogen complex in a ferrocyanide solution, as described by Solorzano (1969). Absorbance was measured at 640 nm.

Dissolved phosphate ($PO_4^{3-}$) in pore water was determined using the Technicon industrial method no. 155-71W (Technicon Industrial Systems, Tarrytown, N.Y.).

Dissolved silica ($SiO_2$) in pore water was determined by colorimetric analysis of the reduced silicomolybdate complex. This method was adapted from Strickland and Parsons (1968), as described by Mann and Gieskes (1975). A Varian model 634 colour spectrometer was used to measure absorbance of this complex at a wavelength of 812nm.

Dissolved sulphate ($SO_4^{2-}$) in pore water was determined by an indirect atomic absorption spectrophotometry method. A 0.1 mL aliquot of 0.3 M barium chloride was added to a 1 mL sample of pore water. This provided an excess of barium for the precipitation of sulphate as barium sulphate. This precipitate was removed from solution by centrifuging. The excess barium concentration left in solution was determined by flame atomic absorption spectrophotometry and was used to calculate the initial concentration of sulphate in the sample. The precision for dissolved sulphate concentrations was $\pm 1$ mM.

Total alkalinity ($ALK_{pw}$) was determined on a 1 mL pore water sample. A potentiometric titration was completed for each sample with an automatic titrator. A microelectrode was used to measure the pore water pH during titration with 0.008 N HCl in 0.6 N NaCl. Alkalinity precision was $\pm$ 0.04 mN (Edmond, 1970).

Total $Fe_{pw}$ and $Mn_{pw}$ in pore water were determined by direct flameless atomic absorption spectrophotometry. Aqueous samples (pH = 1.5-2.0) were injected directly into the atomization chamber of a Varian 975 with a GTA 95 graphite furnace. Standards were prepared in seawater containing negligible amounts of these metals compared to the concentrations in the samples. All instrumental parameters followed the manufacturers recommendations.

**Sediment Analyses**

Water content (WATER, as % of total wet weight) was determined by measuring weight loss of samples after drying at 60 °C for 48 hours.

Sediment grain size analyses were conducted on wet samples for % sand, % silt and % clay using a 0.063 mm sieve and a model TA II Coulter Counter using

30 and 200 $\mu$m apertures. The sediment mass > 0.063 mm was classed as sand. Sediment < 0.063 mm was classed as silt and clay (mud). A Coulter Counter Model TA11$^R$ was used to determine the silt and clay % fraction in the mud component. Subsamples for Coulter Counter analyses were disaggregated in a 5 % solution of sodium metaphosphate in an ultrasonic bath. Sediment < 0.063 mm and > 0.004 mm was classed as silt and sediment < 0.004 mm was classed as clay. Gravel size particles were not included in the analyses. The mean grain size for the mud fraction (silt and clay) are reported along with the standard deviation, kurtosis, and skewness.

The sediment, that was freeze dried and lightly disaggregated in an agate mortar and pestle, was then used for analyses of total carbon, organic carbon, leachable and total metal.

Total carbon ($C_T$ in % of dry weight) was determined from washed and dried samples using a Leco carbon analyzer.

Organic carbon ($C_{org}$ in % of dry weight) was determined in a similar manner to total carbon except, that the inorganic carbon was removed by 1 N HCl treatment prior to determining the carbon content. The precision was ±0.2 % for both the $C_T$ and $C_{org}$.

$CaCO_3$ was computed from the difference between $C_T$ and $C_{org}$.

Metal concentrations which are leached by hydrogen peroxide are considered to be organically bound (MacIntosh et al, 1976) and are reported here as $Fe_{H2O2}$, $Mn_{H2O2}$, $Cu_{H2O2}$, $Zn_{H2O2}$, $Ni_{H2O2}$, $Pb_{H2O2}$ and $Cr_{H2O2}$. Disaggregated dry sediment (1 g) was leached with 10 % hydrogen peroxide (20 mL) for 24 h. Finally the leachate was decanted and acidified with 5 mL of glacial acetic acid.

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, as described in Chester and Hughes (1967).

(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, as described in Chester and Hughes (1967).

(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 h, as described in Tessier et al (1979).

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

The leach residue dry weight is reported as "Residue" in mg remaining of the initial 1000 mg of sample. The "weight loss" due to the sequential leaching can be computed as:

Weight Loss(%) = 100 (1 - Residue / 1000).

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

An indication of the degree of accuracy and precision that this total elemental analysis method can provide is demonstrated by results of tests of the replication of analyses of standards. Results for the standard samples BCSS1 and MESS1 (NRC Canada) and MAG1 (USGS) are compared in Table 1. With the exception of the analyses for Ni, and one standard result for Cu, all of the replicate analyses for the 12 elements have a coefficient of variation (CV = standard deviation / mean x 100) of less than 10 %. The reason for the high CV for Ni has not been determined, so analytical results for this metal should be used with considerable caution. The CV of 11.1 % for Cu in the BCSS1 standard is almost certainly due to the low level of Cu in this standard, therefore analytical results below 20 ppm should be used with caution.

TABLE 1.

Results for replicate analyses of standard samples.

| Standard Sample | $Si_T$ % | $Al_T$ % | $Ca_T$ % | $Mg_T$ % | $K_T$ % | $Ti_T$ % | $Fe_T$ % | $Mn_T$ $\mu gg^{-1}$ | $Cu_T$ $\mu gg^{-1}$ | $Zn_T$ $\mu gg^{-1}$ | $Ni_T$ $\mu gg^{-1}$ | $Li_T$ $\mu gg^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BCSS1** | | | | | | | | | | | | |
| N | 9 | 9 | 6 | 8 | 8 | 5 | 9 | 8 | 8 | 8 | 8 | 6 |
| Mean | 29.6 | 5.59 | 0.54 | 1.36 | 1.53 | 0.407 | 3.18 | 246 | 18 | 103 | 39 | 60 |
| StdDev | 0.4 | 0.29 | 0.01 | 0.02 | 0.09 | 0.024 | 0.08 | 15 | 2 | 3 | 9 | 5 |
| % CV | 1.4 | 5.2 | 1.9 | 1.5 | 5.9 | 5.9 | 2.5 | 6.1 | 11.1 | 2.9 | 23.1 | 8.3 |
| Present[1] | 30.9 | 6.26 | 0.54 | 1.47 | 1.80 | 0.440 | 3.29 | 230 | 18.5 | 120 | 55 | (20) |
| % Error | -4.2 | -10.7 | 0 | -7.5 | -15.0 | -7.5 | -3.3 | 7.0 | -2.7 | -14.2 | -29 | 200 |
| **MESS1** | | | | | | | | | | | | |
| N | 9 | 9 | 6 | 8 | 8 | 5 | 9 | 8 | 8 | 8 | 8 | 6 |
| Mean | 29.6 | 5.01 | 0.44 | 0.73 | 1.55 | 0.483 | 2.86 | 533 | 24 | 172 | 19 | 55 |
| StdDev | 0.5 | 0.31 | 0.02 | 0.03 | 0.10 | 0.036 | 0.06 | 20 | 2 | 6 | 10 | 5 |
| % CV | 1.7 | 6.2 | 4.5 | 4.1 | 6.4 | 7.5 | 2.1 | 3.8 | 8.3 | 3.5 | 52.6 | 9.1 |
| Present[1] | 31.6 | 5.84 | 0.48 | 0.87 | 1.86 | 0.543 | 3.05 | 510 | 25 | 190 | 30 | (60) |
| % Error | -6.3 | -14.2 | -8.3 | -16.1 | -16.7 | -11.0 | -6.2 | 4.5 | -4.0 | -9.5 | -37 | -8.3 |
| **MAG1** | | | | | | | | | | | | |
| N | 9 | 9 | 6 | 8 | 8 | 5 | 9 | 8 | 8 | 8 | 8 | 6 |
| Mean | 23.2 | 7.73 | 0.91 | 1.73 | 2.92 | 0.401 | 4.71 | 795 | 27 | 130 | 40 | 103 |
| StdDev | 0.4 | 0.53 | 0.02 | 0.14 | 0.12 | 0.030 | 0.10 | 19 | 2 | 2 | 11 | 5 |
| % CV | 1.7 | 6.9 | 2.2 | 8.1 | 4.1 | 7.5 | 2.1 | 2.4 | 7.4 | 1.5 | 27.8 | 4.9 |
| Present[2] | 23.9 | 8.7 | 0.99 | 1.89 | 3.09 | 0.450 | 4.88 | 770 | 27 | 135 | 54 | (78) |
| % Error | -2.9 | -11.1 | -8.1 | -8.5 | -5.5 | -10.9 | -3.5 | 3.2 | 0 | -3.7 | -26 | 32 |

[1] Values from Berman (1981).
[2] Values from Manheim et al. (1976).

Estimates of the relative accuracy error were obtained by comparing our analytically determined mean value with the preferred value published for the standard. Generally only those results which show relative accuracy error greater than 10 % require some comment. Our analytical method appears to produce Al results that are 10.7 to 14.2 % relatively lower than the results published

for the three standards. Our results for Mg content in the MESS1 standard are relatively 16 % lower than the published value. This appears to be caused by the moderately low Mg content and possibly to an unusual matrix effect in this standard. Our results for K in BCSS1 and MESS1 are 15 and 16.1 % relatively low respectively. The reason for these results is not readily apparent, although it is suspected to be a matrix effect. Similarly, the relative accuracy error of 11 and 10.9 % low for Ti in the MESS1 and MAG1 standards is unexplained. It should be carefully noted that all of these relative accuracy errors in the analyses of the major elements produces an analytical result which has an absolute error of less than 1 %.

Table 2

Error for instrumental analyses.

| Metal | Detection Limit $\mu g \cdot mL^{-1}$ | Concentration Range $\mu g \cdot mL^{-1}$ | Precision $\mu g \cdot mL^{-1}$ | Relative Error % |
|---|---|---|---|---|
| Fe | 10 | 10 - 1400 | ±5 | |
| | | 4000 - 17000 | ±140 | 2 |
| | | 29000 - 47000 | ±800 | 2 |
| Mn | 0.6 | 0.6 - 11 | ±0.3 | |
| | | 9 - 100 | ±1 | 2 |
| | | 250 - 800 | ±18 | 4 |
| Ca | 16 | 16 - 450 | ±8 | |
| | | 500 - 900 | ±20 | 3 |
| | | 4000 - 9000 | ±150 | 3 |
| Cu | 1.2 | 2 - 180 | ±0.6 | |
| | | 30 - 180 | ±0.6 | 2 |
| Zn | 0.4 | 0.4 - 35 | ±0.2 | |
| | | 6 - 35 | ±0.4 | 3 |
| | | 50 - 300 | ±6 | 5 |
| Ni | 1 | 1 - 25 | ±0.5 | |
| | | 6 - 30 | ±0.5 | 2 |
| Pb | 0.6 | 0.6 - 8 | ±0.3 | |
| | | 3 - 20 | ±0.4 | 5 |
| | | 70 - 130 | ±1 | 2 |
| Cr | 0.8 | 1 - 25 | ±0.4 | |
| | | 7 - 40 | ±0.4 | 1 |
| Li | | 55 - 100 | ±5 | 7 |
| Si | | 23 - 30 % | ±0.5 % | 2 |
| Al | | 5 - 8 % | ±0.4 % | 6 |
| Mg | | 0.7 - 1.7 % | ±0.05 % | 5 |
| K | | 1.5 - 2.9 % | ±0.1 % | 5 |
| Ti | | 0.4 - 0.5 % | ±0.03 % | 7 |

The relative accuracy error of -14.2 % for analyses of Zn in the BCSS1 standard is of unknown source. The large negative errors for results of Ni analyses (-29 %) in all standards reinforces the caution in use of these results. Two large positive errors are recorded for the analysis of Li in the BCSS1 and MAG1 standards. In these cases little significance can be given to this accuracy indication because the published values for Li are uncertified. No evaluation of the accuracy or precision of Pb analyses could be obtained because the published concentrations of Pb in the standards were all below the analytical detection limit (20 ppm) of our method.

Average precision values, for the instrumental analyses for specific metals, were determination from duplicate analyses of solutions which were prepared for the total metal and leachable metal analyses. The precision values are reported in Table 2. In the low concentration ranges the precision can be used to evaluate the analytical detection limits. Under these conditions the analytical detection limit is approximately twice the value for precision. In the higher concentration ranges the average relative error determinations for these metals were used to evaluate the analytical results. As the detection limit is approached the relative error approaches 100 %. The relative error for a specific metal and sample was determined as the percent mean deviation relative to the sample mean. These results were then used to determine the average relative error for a specific metal and are reported in Table 2. Average precision values for the metals Si, Al, Mg, K, Ti, and Li were determined for narrow concentration ranges and we have not determined the detection limits.

In an earlier study (Buckley et al 1989) results were reported for analyses of replicate samples and subsamples. The concentrations were in the higher concentration ranges and the % coefficients of variation included variation due to repetitive sampling and sampling inhomogeneity. In the present study we report relative error which includes only the error resulting from duplicate instrumental analyses of sample solutions.

Total mercury ($Hg_T$) was determined using a flameless cold–vapour atomic absorption spectrometry method adapted from Brandenberg and Bader (1967) and MacIntosh et al (1976). The average precision varied significantly with concentration range: $\pm 0.005$ ppm for range 0.01 to 0.1 ppm, $\pm 0.04$ ppm for range 0.1 to 1 ppm, $\pm 0.1$ ppm for range 1 to 5 ppm, and $\pm 0.7$ ppm for range 5 to 11 ppm. In all concentration ranges the relative error varied from 6 % to 11 %.

| Core | Depth cm | $Fe_{WA}$ $\mu gg^{-1}$ | $Fe_{HA}$ $\mu gg^{-1}$ | $Fe_{HHA}$ $\mu gg^{-1}$ | $Fe_{R}$ $\mu gg^{-1}$ | $Fe_{SUM}$ $\mu gg^{-1}$ | $Fe_{T}$ $\mu gg^{-1}$ | $Fe_{H2O2}$ $\mu gg^{-1}$ | $Mn_{WA}$ $\mu gg^{-1}$ | $Mn_{HA}$ $\mu gg^{-1}$ | $Mn_{HHA}$ $\mu gg^{-1}$ | $Mn_{R}$ $\mu gg^{-1}$ | $Mn_{SUM}$ $\mu gg^{-1}$ | $Mn_{T}$ $\mu gg^{-1}$ | $Mn_{H2O2}$ $\mu gg^{-1}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 9250 | 1541 | 4110 | 29049 | 43950 | 62900 | 4900 | 125 | 21.0 | 51 | 283 | 480 | 694 | 222 | 59101 |
| | 1 | 9870 | 1566 | 4420 | 18050 | 33906 | 67900 | 2770 | 88 | 27.1 | 50 | 193 | 358 | 847 | 217 | 59102 |
| | 2 | 5360 | 627 | 3480 | 15274 | 24741 | 50000 | 820 | 63 | 12.1 | 40 | 140 | 255 | 594 | 147 | 59103 |
| | 3 | 2480 | 326 | 2990 | 10869 | 16665 | 50100 | 60 | 28 | 5.2 | 34 | 62 | 129 | 603 | 56 | 59104 |
| | 4 | 1000 | 167 | 2360 | 11079 | 14606 | 39900 | 420 | 20 | 3.0 | 43 | 81 | 147 | 524 | 65 | 59105 |
| | 5 | 1220 | 264 | 2550 | 18443 | 22477 | 41600 | 2120 | 23 | 6.5 | 50 | 147 | 226 | 503 | 77 | 59106 |
| | 6 | 1260 | 468 | 3280 | 26777 | 31785 | 44900 | 6540 | 26 | 10.6 | 64 | 306 | 406 | 543 | 79 | 59107 |
| | 7 | 900 | 424 | 2580 | 24623 | 28527 | 40000 | 2940 | 14 | 4.7 | 55 | 236 | 310 | 454 | 56 | 59108 |
| | 8 | 930 | 386 | 2740 | 24675 | 28731 | 38400 | 2200 | 14 | 4.0 | 61 | 263 | 342 | 454 | 51 | 59109 |
| | 9 | 1370 | 542 | 3620 | 25705 | 31237 | 42800 | 5510 | 21 | 4.8 | 63 | 272 | 361 | 412 | 63 | 59110 |
| | 10 | 1550 | 465 | 4140 | 25744 | 31899 | 46300 | 5590 | 19 | 4.6 | 61 | 245 | 330 | 506 | 63 | 59111 |
| | 11 | 1320 | 629 | 4370 | 25792 | 32111 | 45700 | 3190 | 18 | 3.9 | 56 | 225 | 303 | 505 | 47 | 59112 |
| | 12 | 1920 | 595 | 4420 | 41645 | 48580 | 50200 | 7680 | 20 | 5.7 | 62 | 380 | 468 | 534 | 76 | 59113 |
| | 13 | 1990 | 524 | 4530 | 39376 | 46420 | 48200 | 10340 | 21 | 4.9 | 70 | 399 | 495 | 535 | 87 | 59114 |
| | 14 | 1450 | 628 | 4770 | 36872 | 43720 | 44200 | 5610 | 19 | 5.0 | 66 | 375 | 465 | 506 | 80 | 59115 |
| | 15 | 2390 | 570 | 4380 | 34017 | 41357 | 47000 | 9080 | 19 | 5.4 | 68 | 379 | 471 | 554 | 99 | 59116 |
| | 16 | 2050 | 941 | 4140 | 21408 | 28539 | 45300 | 9790 | 19 | 9.0 | 64 | 261 | 353 | 573 | 101 | 59117 |
| | 17 | 1260 | 795 | 4180 | 29455 | 35690 | 48000 | 8500 | 23 | 4.2 | 61 | 351 | 439 | 590 | 87 | 59118 |
| | 18 | 1420 | 872 | 4660 | 27863 | 34815 | 47000 | 8960 | 17 | 4.1 | 66 | 329 | 417 | 568 | 107 | 59119 |
| | 19 | 1480 | 560 | 3830 | 28499 | 34369 | 47300 | 11690 | 34 | 7.4 | 66 | 321 | 429 | 666 | 126 | 59120 |
| | 20 | 890 | 821 | 3700 | 31120 | 36531 | 27000 | 10330 | 26 | 5.7 | 63 | 352 | 447 | 327 | 135 | 59121 |
| | 21 | 1190 | 564 | 3580 | 34758 | 40092 | 46800 | 13340 | 42 | 11.4 | 70 | 369 | 492 | 631 | 167 | 59122 |
| | 22 | 960 | 304 | 3440 | 39514 | 44218 | 43500 | 14630 | 20 | 5.9 | 68 | 443 | 537 | 566 | 148 | 59123 |
| | 23 | 460 | 518 | 3340 | 23838 | 28156 | 45700 | 12610 | 25 | 6.1 | 65 | 317 | 413 | 625 | 136 | 59124 |
| | 24 | 580 | 297 | 3690 | 25453 | 30020 | 43700 | 14430 | 19 | 5.9 | 71 | 351 | 447 | 578 | 174 | 59125 |
| | 25 | 380 | 503 | 3750 | 25824 | 30457 | 44800 | 11480 | 20 | 7.0 | 68 | 353 | 448 | 582 | 155 | 59126 |
| | 26 | 400 | 486 | 3000 | 22478 | 26364 | 44500 | 10300 | 22 | 5.6 | 62 | 304 | 393 | 568 | 130 | 59127 |
| | 27 | 410 | 445 | 3170 | 38210 | 42235 | 45900 | 11010 | 23 | 5.3 | 64 | 469 | 562 | 585 | 135 | 59128 |
| | 28 | 420 | 414 | 3090 | 30451 | 34375 | 45300 | 13600 | 27 | 6.5 | 69 | 377 | 479 | 604 | 154 | 59129 |
| | 29 | 400 | 518 | 3550 | 23668 | 28136 | 48000 | 13080 | 31 | 5.3 | 69 | 314 | 420 | 627 | 156 | 59130 |
| | 40 | 270 | 382 | 3220 | 25305 | 29177 | 44500 | 10120 | 23 | 7.6 | 69 | 385 | 485 | 661 | 190 | 59131 |
| | 50 | 350 | 326 | 3720 | 47590 | 51986 | 41400 | 12430 | 21 | 9.3 | 78 | 633 | 741 | 603 | 189 | 59132 |
| | 60 | 340 | 360 | 3150 | 47996 | 51846 | 43600 | 9630 | 22 | 8.1 | 66 | 548 | 644 | 634 | 169 | 59133 |
| | 70 | 530 | 257 | 3330 | 32138 | 36255 | 44700 | 11660 | 19 | 8.2 | 77 | 345 | 449 | 589 | 147 | 59134 |
| 3 | 0 | 2220 | 397 | 2950 | 41678 | 47245 | 50600 | 6470 | 8 | 3.9 | 75 | 546 | 633 | 680 | 121 | 59135 |
| | 1 | 2080 | 324 | 2760 | 41087 | 46251 | 51000 | 6690 | 9 | 3.7 | 74 | 538 | 625 | 709 | 130 | 59136 |
| | 2 | 2310 | 410 | 3220 | 36009 | 41949 | 50700 | 7610 | 17 | 3.7 | 74 | 497 | 592 | 696 | 158 | 59137 |
| | 3 | 2450 | 372 | 3170 | 52284 | 58276 | 49600 | 7690 | 9 | 3.6 | 74 | 693 | 779 | 673 | 168 | 59138 |
| | 4 | 2400 | 342 | 3020 | 52702 | 58464 | 48500 | 8860 | 10 | 3.1 | 72 | 741 | 826 | 670 | 159 | 59139 |
| | 5 | 2390 | 384 | 3010 | 50419 | 56203 | 45900 | 11120 | 11 | 3.5 | 71 | 666 | 751 | 657 | 172 | 59140 |
| | 6 | 2160 | 378 | 2400 | 52998 | 57936 | 45000 | 13860 | 9 | 3.0 | 66 | 701 | 779 | 599 | 171 | 59141 |
| | 7 | 2010 | 300 | 3060 | 27961 | 33331 | 41900 | 14920 | 10 | 2.3 | 61 | 425 | 498 | 591 | 171 | 59142 |
| | 8 | 1790 | 359 | 3120 | 27530 | 32799 | 42700 | 18250 | 14 | 2.6 | 63 | 404 | 483 | 592 | 160 | 59143 |
| | 9 | 1570 | 254 | 2630 | 27516 | 31970 | 39600 | 19190 | 10 | 2.1 | 59 | 404 | 476 | 546 | 140 | 59144 |
| | 10 | 1500 | 319 | 2690 | 22188 | 26697 | 41700 | 17550 | 7 | 2.3 | 61 | 319 | 389 | 574 | 141 | 59145 |
| | 11 | 1430 | 286 | 3080 | 22520 | 27316 | 43500 | 19800 | 7 | 2.5 | 63 | 354 | 427 | 586 | 149 | 59146 |
| | 12 | 1120 | 243 | 3110 | 29018 | 33491 | 40200 | 21350 | 7 | 2.1 | 62 | 398 | 469 | 568 | 153 | 59147 |
| | 13 | 930 | 232 | 3040 | 25730 | 29932 | 39800 | 19370 | 7 | 2.2 | 60 | 365 | 434 | 586 | 163 | 59148 |
| | 14 | 1150 | 340 | 3400 | 22196 | 27086 | 41800 | 17040 | 8 | 3.1 | 63 | 360 | 434 | 597 | 159 | 59149 |
| | 15 | 600 | 224 | 3220 | 19381 | 23425 | 38600 | 16050 | 7 | 2.7 | 60 | 338 | 408 | 580 | 145 | 59150 |
| | 16 | 500 | 219 | 3050 | 37941 | 41710 | 35100 | 16560 | 8 | 3.0 | 64 | 532 | 607 | 482 | 135 | 59151 |
| | 17 | 480 | 199 | 3190 | 36671 | 40540 | 36300 | 15130 | 8 | 3.1 | 65 | 477 | 553 | 489 | 128 | 59152 |
| | 18 | 390 | 192 | 3080 | 29525 | 33187 | 36800 | 13780 | 9 | 3.6 | 64 | 414 | 490 | 501 | 101 | 59153 |

| Core | Depth cm | $Fe_{WA}$ $\mu gg^{-1}$ | $Fe_{HA}$ $\mu gg^{-1}$ | $Fe_{HHA}$ $\mu gg^{-1}$ | $Fe_{R}$ $\mu gg^{-1}$ | $Fe_{SUM}$ $\mu gg^{-1}$ | $Fe_{T}$ $\mu gg^{-1}$ | $Fe_{H2O2}$ $\mu gg^{-1}$ | $Mn_{WA}$ $\mu gg^{-1}$ | $Mn_{HA}$ $\mu gg^{-1}$ | $Mn_{HHA}$ $\mu gg^{-1}$ | $Mn_{R}$ $\mu gg^{-1}$ | $Mn_{SUM}$ $\mu gg^{-1}$ | $Mn_{T}$ $\mu gg^{-1}$ | $Mn_{H2O2}$ $\mu gg^{-1}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 19 | 430 | 194 | 2940 | 18788 | 22352 | 37900 | 13640 | 9 | 3.4 | 64 | 293 | 369 | 521 | 90 | 59154 |
| | 20 | 390 | 184 | 2720 | 35238 | 38532 | 36400 | 12200 | 8 | 3.8 | 64 | 442 | 518 | 494 | 91 | 59155 |
| | 25 | 450 | 137 | 2730 | 37158 | 40475 | 32300 | 12540 | 73 | 2.5 | 58 | 431 | 564 | 460 | 81 | 59156 |
| | 30 | 240 | 138 | 2790 | 45181 | 48349 | 32600 | 12650 | 6 | 2.7 | 61 | 434 | 504 | 452 | 76 | 59157 |
| | 35 | 320 | 176 | 2550 | 37464 | 40510 | 36200 | 14770 | 7 | 2.7 | 63 | 381 | 454 | 476 | 105 | 59158 |
| | 40 | 200 | 156 | 2650 | 33005 | 36011 | 33100 | 13360 | 7 | 2.8 | 63 | 353 | 425 | 460 | 90 | 59159 |
| | 45 | 280 | 150 | 2340 | 40199 | 42969 | 37100 | 15660 | 5 | 2.6 | 60 | 407 | 475 | 470 | 115 | 59160 |
| | 50 | 300 | 109 | 2310 | 41120 | 43839 | 32100 | 11150 | 5 | 2.7 | 54 | 457 | 519 | 454 | 87 | 59161 |
| | 55 | 170 | 235 | 2720 | 37545 | 40670 | 34200 | 13800 | 4 | 2.6 | 55 | 395 | 456 | 457 | 93 | 59162 |
| | 60 | 180 | 118 | 2750 | 43163 | 46211 | 34000 | 14910 | 4 | 2.4 | 55 | 447 | 508 | 463 | 124 | 59163 |
| | 65 | 170 | 125 | 2790 | 42237 | 45322 | 37100 | 15600 | 4 | 2.8 | 55 | 473 | 535 | 509 | 121 | 59164 |
| 7 | 0 | 1710 | 364 | 3150 | 44210 | 49434 | 42200 | 3890 | 10 | 2.8 | 64 | 563 | 640 | 605 | 60 | 59165 |
| | 1 | 2380 | 336 | 2940 | 52110 | 57766 | 49000 | 6180 | 11 | 3.5 | 65 | 657 | 737 | 698 | 82 | 59166 |
| | 2 | 2510 | 389 | 2820 | 29516 | 35235 | 49000 | 5830 | 12 | 4.0 | 66 | 441 | 523 | 695 | 89 | 59167 |
| | 3 | 2320 | 317 | 2970 | 58229 | 63836 | 49500 | 4490 | 12 | 3.7 | 67 | 696 | 778 | 738 | 94 | 59168 |
| | 4 | 2560 | 295 | 3140 | 53872 | 59867 | 51100 | 5500 | 13 | 3.7 | 70 | 629 | 716 | 730 | 108 | 59169 |
| | 5 | 2870 | 260 | 3380 | 49755 | 56265 | 51800 | 7400 | 13 | 3.3 | 74 | 620 | 711 | 733 | 149 | 59170 |
| | 6 | 2370 | 277 | 3610 | 62160 | 68417 | 52400 | 6920 | 12 | 2.8 | 75 | 755 | 845 | 761 | 155 | 59171 |
| | 7 | 2620 | 374 | 3400 | 67243 | 73637 | 51700 | 8090 | 12 | 3.6 | 70 | 752 | 838 | 762 | 186 | 59172 |
| | 8 | 2630 | 587 | 3160 | 60219 | 66596 | 53500 | 11770 | 7 | 13.1 | 59 | 661 | 740 | 765 | 222 | 59173 |
| | 9 | 2740 | 601 | 3090 | 51527 | 57958 | 49200 | 14480 | 6 | 11.9 | 56 | 639 | 713 | 677 | 239 | 59174 |
| | 10 | 2390 | 657 | 2900 | 53438 | 59385 | 48300 | 15510 | 6 | 10.2 | 50 | 737 | 803 | 715 | 239 | 59175 |
| | 11 | 2600 | 673 | 2860 | 45518 | 51651 | 50900 | 13880 | 7 | 11.1 | 50 | 646 | 715 | 728 | 223 | 59176 |
| | 12 | 3670 | 631 | 2760 | 53869 | 60930 | 49400 | 14310 | 7 | 9.7 | 48 | 662 | 726 | 680 | 213 | 59177 |
| | 13 | 2860 | 601 | 3000 | 56005 | 62466 | 51900 | 13040 | 7 | 10.9 | 55 | 681 | 754 | 741 | 181 | 59178 |
| 8 | 0 | 6250 | 2086 | 3330 | 34242 | 45908 | 58300 | 5410 | 21 | 12.6 | 57 | 522 | 612 | 689 | 76 | 59179 |
| | 1 | 8120 | 2360 | 3440 | 59097 | 73017 | 58400 | 7500 | 19 | 14.6 | 61 | 639 | 733 | 628 | 89 | 59180 |
| | 2 | 5890 | 2480 | 3320 | 46530 | 58220 | 60600 | 7550 | 15 | 14.5 | 56 | 563 | 648 | 658 | 78 | 59181 |
| | 3 | 5980 | 2630 | 3500 | 57438 | 69548 | 60200 | 7500 | 16 | 13.3 | 54 | 635 | 718 | 626 | 76 | 59182 |
| | 4 | 6590 | 2360 | 3360 | 53273 | 65583 | 57800 | 7720 | 16 | 14.5 | 57 | 630 | 717 | 636 | 80 | 59183 |
| 9 | 0 | 14680 | 3990 | 7510 | 46910 | 73090 | 86600 | 2770 | 213 | 95.3 | 69 | 448 | 825 | 1172 | 521 | 59184 |
| | 1 | 12500 | 3470 | 5290 | 52572 | 73832 | 70800 | 4240 | 104 | 40.0 | 48 | 519 | 711 | 806 | 273 | 59185 |
| | 2 | 11720 | 4640 | 4280 | 46737 | 67377 | 71900 | 5110 | 57 | 30.4 | 50 | 501 | 639 | 755 | 170 | 59186 |
| | 3 | 14280 | 2700 | 3360 | 39503 | 59843 | 66500 | 3860 | 62 | 19.2 | 49 | 415 | 545 | 677 | 131 | 59187 |
| | 4 | 12390 | 4750 | 4590 | 45577 | 67307 | 69400 | 5200 | 69 | 23.6 | 48 | 482 | 623 | 686 | 158 | 59188 |
| | 5 | 10420 | 4450 | 4390 | 46308 | 65568 | 51800 | 4840 | 78 | 28.2 | 47 | 503 | 656 | 559 | 203 | 59189 |
| | 6 | 10470 | 2670 | 6370 | 36577 | 56087 | 80500 | 3760 | 100 | 33.0 | 135 | 312 | 580 | 923 | 275 | 59190 |
| 10 | 0 | 3100 | 744 | 2500 | 47041 | 53385 | 41900 | 9860 | 5 | 8.8 | 39 | 636 | 689 | 532 | 72 | 59195 |
| | 1 | 2740 | 596 | 2200 | 38070 | 43606 | 49200 | 11480 | 6 | 7.3 | 36 | 554 | 604 | 553 | 69 | 59196 |
| | 2 | 2260 | 579 | 2410 | 46672 | 51921 | 42600 | 11150 | 7 | 8.3 | 35 | 628 | 678 | 528 | 74 | 59197 |
| | 3 | 1840 | 566 | 2350 | 55955 | 60711 | 42000 | 15310 | 6 | 8.1 | 37 | 688 | 739 | 515 | 77 | 59198 |
| | 4 | 1620 | 532 | 2500 | 44451 | 49103 | 47200 | 14210 | 6 | 7.9 | 38 | 598 | 650 | 542 | 76 | 59199 |
| | 5 | 1290 | 422 | 2280 | 48780 | 52772 | 48100 | 11470 | 5 | 6.3 | 37 | 714 | 762 | 660 | 61 | 59200 |
| | 6 | 1340 | 404 | 2220 | 45403 | 49367 | 56000 | 14940 | 5 | 6.7 | 41 | 599 | 652 | 551 | 68 | 59201 |
| 12 | 0 | 2040 | 456 | 1960 | 45238 | 49694 | 44000 | 6650 | 7 | 6.7 | 40 | 653 | 706 | 545 | 52 | 59202 |
| | 1 | 1910 | 324 | 1760 | 37338 | 41332 | 43300 | 7080 | 7 | 6.1 | 35 | 598 | 646 | 555 | 55 | 59203 |
| | 2 | 2080 | 354 | 1760 | 44500 | 48694 | 44900 | 7190 | 7 | 6.2 | 35 | 662 | 710 | 563 | 60 | 59204 |
| | 3 | 2840 | 612 | 2060 | 29079 | 34591 | 51700 | 13660 | 7 | 8.7 | 43 | 489 | 548 | 630 | 83 | 59205 |
| | 4 | 3730 | 757 | 2680 | 31130 | 38297 | 50500 | 15610 | 6 | 10.0 | 50 | 501 | 567 | 627 | 94 | 59206 |

| Core | Depth | $Fe_{WA}$ | $Fe_{HA}$ | $Fe_{HHA}$ | $Fe_R$ | $Fe_{SUM}$ | $Fe_T$ | $Fe_{H2O2}$ | $Mn_{WA}$ | $Mn_{HA}$ | $Mn_{HHA}$ | $Mn_R$ | $Mn_{SUM}$ | $Mn_T$ | $Mn_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 12 | 5 | 4310 | 1084 | 2780 | 51334 | 59508 | 56500 | 19260 | 8 | 10.8 | 48 | 469 | 535 | 609 | 112 | 59207 |
| | 6 | 4600 | 1325 | 2910 | 44979 | 53814 | 49300 | 20740 | 9 | 11.1 | 49 | 561 | 630 | 578 | 107 | 59208 |
| | 7 | 4470 | 956 | 2940 | 45372 | 53738 | 49300 | 19100 | 8 | 9.5 | 51 | 461 | 529 | 603 | 102 | 59209 |
| | 8 | 4460 | 947 | 2820 | 42638 | 50865 | 44200 | 16790 | 9 | 8.8 | 47 | 467 | 531 | 524 | 95 | 59210 |
| | 9 | 4580 | 1350 | 2840 | 35572 | 44342 | 43300 | 17560 | 8 | 10.4 | 49 | 451 | 518 | 472 | 95 | 59211 |
| | 10 | 4250 | 1007 | 2920 | 53189 | 61366 | 49600 | 18090 | 8 | 10.4 | 48 | 604 | 671 | 561 | 92 | 59212 |
| 16 | 0 | 3580 | 713 | 3250 | 31169 | 38712 | 48400 | 9540 | 16 | 15.1 | 60 | 439 | 530 | 639 | 94 | 59226 |
| | 1 | 2920 | 1030 | 3380 | 32039 | 39369 | 45500 | 9190 | 14 | 18.0 | 61 | 431 | 524 | 585 | 87 | 59227 |
| | 2 | 3080 | 670 | 3250 | 44682 | 51682 | 44900 | 9870 | 14 | 14.0 | 59 | 616 | 703 | 577 | 90 | 59228 |
| | 3 | 3140 | 748 | 2910 | 46752 | 53550 | 45000 | 9740 | 13 | 15.1 | 58 | 438 | 524 | 581 | 93 | 59229 |
| | 4 | 2980 | 758 | 2200 | 49329 | 55267 | 46900 | 11720 | 15 | 16.7 | 62 | 429 | 523 | 598 | 103 | 59230 |
| | 5 | 2370 | 657 | 2880 | 46129 | 52036 | 49700 | 11910 | 14 | 16.4 | 63 | 579 | 672 | 629 | 114 | 59231 |
| | 6 | 2550 | 636 | 3190 | 50803 | 57179 | 49400 | 12330 | 15 | 15.3 | 67 | 604 | 701 | 616 | 119 | 59232 |
| | 7 | 2600 | 709 | 2880 | 51847 | 58036 | 48800 | 13330 | 15 | 16.2 | 61 | 580 | 672 | 596 | 121 | 59233 |
| | 8 | 1830 | 641 | 3000 | 61600 | 67071 | 51700 | 12800 | 14 | 17.0 | 61 | 602 | 694 | 625 | 110 | 59234 |
| | 9 | 1720 | 512 | 2990 | 55831 | 61053 | 132200 | 13320 | 14 | 15.7 | 64 | 557 | 650 | 758 | 118 | 59235 |
| | 10 | 1480 | 418 | 2840 | 60098 | 64836 | 50200 | 13650 | 13 | 14.6 | 60 | 533 | 621 | 619 | 121 | 59236 |
| | 11 | 1660 | 565 | 3000 | 51010 | 56235 | 46600 | 13390 | 16 | 16.2 | 62 | 556 | 650 | 595 | 123 | 59237 |
| | 12 | 1760 | 926 | 2750 | 52777 | 58213 | 45800 | 12290 | 19 | 22.4 | 59 | 593 | 693 | 593 | 131 | 59238 |
| | 13 | 1840 | 727 | 3090 | 48738 | 54395 | 46700 | 12060 | 21 | 21.9 | 64 | 582 | 689 | 620 | 127 | 59239 |
| | 14 | 2230 | 602 | 2750 | 45691 | 51273 | 41800 | 11460 | 21 | 16.7 | 60 | 545 | 643 | 576 | 121 | 59240 |
| | 15 | 2340 | 875 | 3100 | 28086 | 34401 | 45400 | 11670 | 21 | 20.6 | 63 | 572 | 677 | 616 | 131 | 59241 |
| | 20 | 2840 | 923 | 2940 | 27959 | 34662 | 41500 | 9950 | 21 | 18.5 | 60 | 366 | 466 | 520 | 123 | 59242 |
| | 25 | 2710 | 699 | 3020 | 42281 | 48710 | 45500 | 9810 | 19 | 16.3 | 61 | 409 | 506 | 519 | 122 | 59243 |
| | 30 | 2310 | 834 | 2950 | 54912 | 61006 | 44700 | 7480 | 20 | 20.4 | 61 | 672 | 773 | 602 | 108 | 59244 |
| | 35 | 1740 | 745 | 2960 | 31965 | 37410 | 37600 | 8140 | 19 | 21.4 | 62 | 429 | 532 | 566 | 101 | 59245 |
| | 40 | 970 | 692 | 3400 | 36251 | 41313 | 37500 | 6860 | 20 | 20.0 | 64 | 465 | 569 | 568 | 97 | 59246 |
| | 45 | 490 | 648 | 3270 | 37526 | 41934 | 37400 | 7220 | 19 | 19.3 | 61 | 502 | 601 | 579 | 103 | 59247 |
| 18 | 0 | 3040 | 792 | 3200 | 26073 | 33105 | 41300 | 9310 | 17 | 16.0 | 57 | 446 | 536 | 615 | 106 | 59213 |
| | 1 | 3920 | 1037 | 3210 | 33264 | 41431 | 46000 | 8500 | 22 | 15.9 | 57 | 481 | 576 | 613 | 114 | 59214 |
| | 2 | 3670 | 1178 | 3260 | 31892 | 40000 | 47300 | 7670 | 22 | 17.1 | 61 | 444 | 544 | 649 | 126 | 59215 |
| | 3 | 4020 | 1189 | 3300 | 47338 | 55847 | 46200 | 7290 | 25 | 17.1 | 62 | 578 | 682 | 625 | 132 | 59216 |
| | 4 | 3810 | 1175 | 3260 | 31003 | 39248 | 44300 | 8070 | 23 | 17.5 | 61 | 435 | 536 | 591 | 133 | 59217 |
| | 5 | 3940 | 1306 | 3320 | 37714 | 46280 | 45500 | 7370 | 22 | 17.2 | 60 | 424 | 523 | 620 | 128 | 59218 |
| | 6 | 5320 | 1099 | 3200 | 49488 | 59107 | 47600 | 8860 | 18 | 16.3 | 61 | 589 | 684 | 626 | 107 | 59219 |
| | 7 | 4070 | 1218 | 3360 | 51216 | 59864 | 49200 | 9260 | 17 | 16.2 | 63 | 548 | 644 | 605 | 107 | 59220 |
| | 8 | 3310 | 972 | 3100 | 44872 | 52254 | 47700 | 9610 | 16 | 16.3 | 59 | 528 | 619 | 591 | 100 | 59221 |
| | 9 | 2440 | 605 | 3150 | 28456 | 34651 | 47900 | 9430 | 16 | 16.1 | 59 | 415 | 506 | 646 | 104 | 59222 |
| | 10 | 3970 | 847 | 3390 | 49472 | 57679 | 47500 | 7830 | 20 | 17.0 | 62 | 568 | 667 | 582 | 112 | 59223 |
| | 11 | 3200 | 794 | 3340 | 36319 | 43653 | 48200 | 9720 | 18 | 16.0 | 59 | 559 | 652 | 589 | 108 | 59224 |
| | 12 | 3030 | 772 | 3200 | 51780 | 58782 | 48400 | 11750 | 16 | 15.4 | 59 | 615 | 706 | 586 | 106 | 59225 |
| 19 | 0 | 450 | 562 | 2810 | 40388 | 44210 | 47200 | 1130 | 11 | 3.1 | 49 | 415 | 478 | 595 | 65 | 59248 |
| | 1 | 1340 | 353 | 2500 | 33126 | 37319 | 41300 | 19890 | 9 | 3.3 | 53 | 387 | 452 | 472 | 95 | 59249 |
| | 2 | 1210 | 225 | 2370 | 52244 | 56049 | 47200 | 17940 | 11 | 3.5 | 53 | 526 | 593 | 391 | 93 | 59250 |
| | 3 | 1070 | 208 | 2020 | 36550 | 39848 | 38700 | 20530 | 9 | 3.2 | 52 | 395 | 459 | 382 | 126 | 59251 |
| | 4 | 1340 | 295 | 2400 | 30852 | 34887 | 43600 | 14840 | 10 | 3.7 | 46 | 415 | 475 | 280 | 91 | 59252 |
| | 5 | 1010 | 244 | 2290 | 32837 | 36381 | 42600 | 18370 | 10 | 4.0 | 52 | 399 | 465 | 449 | 120 | 59253 |
| | 6 | 930 | 267 | 2180 | 33220 | 36597 | 41600 | 21370 | 10 | 3.9 | 54 | 411 | 479 | 380 | 118 | 59254 |
| | 7 | 780 | 205 | 2030 | 22221 | 25236 | 46600 | 16720 | 9 | 3.2 | 52 | 361 | 425 | 401 | 119 | 59255 |
| | 8 | 810 | 227 | 2360 | 25842 | 29239 | 42600 | 15710 | 9 | 3.7 | 53 | 421 | 487 | 463 | 115 | 59256 |
| | 9 | 800 | 253 | 2420 | 23902 | 27375 | 41600 | 20680 | 10 | 4.1 | 54 | 398 | 466 | 372 | 124 | 59257 |

| Core | Depth | $Fe_{WA}$ | $Fe_{HA}$ | $Fe_{HHA}$ | $Fe_{R}$ | $Fe_{SUM}$ | $Fe_{T}$ | $Fe_{H2O2}$ | $Mn_{WA}$ | $Mn_{HA}$ | $Mn_{HHA}$ | $Mn_{R}$ | $Mn_{SUM}$ | $Mn_{T}$ | $Mn_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 19 | 10 | 420 | 187 | 2620 | 26344 | 29571 | 42500 | 20210 | 10 | 4.1 | 56 | 417 | 487 | 434 | 147 | 59258 |
| | 11 | 570 | 174 | 2270 | 26150 | 29164 | 41000 | 16030 | 10 | 3.8 | 54 | 439 | 507 | 367 | 117 | 59259 |
| | 12 | 380 | 153 | 2390 | 39959 | 42882 | 41200 | 16130 | 10 | 3.9 | 54 | 555 | 623 | 390 | 112 | 59260 |
| | 13 | 220 | 163 | 2050 | 26244 | 28677 | 50700 | 19690 | 8 | 4.6 | 58 | 403 | 474 | 395 | 116 | 59261 |
| | 14 | 220 | 146 | 2250 | 29360 | 31976 | 44000 | 14450 | 11 | 4.4 | 61 | 424 | 501 | 422 | 117 | 59262 |
| | 15 | 250 | 178 | 2390 | 22415 | 25233 | 40200 | 14160 | 9 | 4.8 | 59 | 419 | 492 | 439 | 108 | 59263 |
| | 20 | 220 | 153 | 2700 | 27050 | 30123 | 38700 | 15240 | 10 | 4.4 | 60 | 392 | 467 | 256 | 117 | 59264 |
| | 25 | 540 | 188 | 2410 | 33968 | 37106 | 55400 | 18680 | 8 | 3.3 | 57 | 415 | 484 | 335 | 123 | 59265 |
| | 30 | 1340 | 202 | 2320 | 31630 | 35492 | 51800 | 22020 | 7 | 2.4 | 48 | 445 | 502 | 330 | 97 | 59266 |
| | 35 | 1170 | 205 | 2230 | 32562 | 36167 | 52400 | 24800 | 8 | 2.8 | 48 | 409 | 467 | 377 | 111 | 59267 |
| | 40 | 240 | 132 | 2490 | 26730 | 29592 | 40400 | 22790 | 8 | 3.4 | 59 | 380 | 450 | 229 | 137 | 59268 |
| 20 | 0 | 4820 | 639 | 2830 | 26939 | 35228 | 54000 | 6920 | 25 | 5.6 | 60 | 433 | 523 | 509 | 97 | 46701 |
| | 1 | 3710 | 637 | 2640 | 25258 | 32245 | 54900 | 7760 | 21 | 5.5 | 69 | 407 | 502 | 553 | 93 | 46702 |
| | 2 | 3630 | 621 | 2930 | 23484 | 30665 | 48100 | 7650 | 23 | 5.6 | 64 | 415 | 507 | 525 | 92 | 46703 |
| | 3 | 4020 | 678 | 1240 | 25200 | 31138 | 53100 | 5110 | 27 | 6.5 | 37 | 444 | 515 | 549 | 97 | 46704 |
| | 4 | 3810 | 574 | 1460 | 26664 | 32508 | 52400 | 6530 | 25 | 4.5 | 36 | 449 | 514 | 568 | 94 | 46705 |
| | 5 | 3490 | 514 | 1390 | 27192 | 32586 | 50000 | 4040 | 30 | 5.6 | 39 | 442 | 516 | 581 | 102 | 46706 |
| | 6 | 3550 | 477 | 1450 | 25199 | 30676 | 49700 | 4670 | 30 | 4.7 | 39 | 395 | 469 | 601 | 99 | 46707 |
| | 7 | 3610 | 507 | 1300 | 23423 | 28840 | 50600 | 5320 | 29 | 5.1 | 37 | 419 | 490 | 527 | 98 | 46708 |
| | 8 | 3300 | 451 | 1190 | 25288 | 30229 | 48700 | 5040 | 30 | 5.2 | 35 | 446 | 516 | 503 | 103 | 46709 |
| | 9 | 3810 | 450 | 1450 | 29285 | 34995 | 49100 | 5670 | 34 | 6.6 | 42 | 449 | 532 | 534 | 110 | 46710 |
| | 10 | 3480 | 662 | 1590 | 27830 | 33562 | 49100 | 3480 | 37 | 10.8 | 43 | 462 | 553 | 514 | 115 | 46711 |
| 23 | 0 | 3260 | 253 | 2720 | 20736 | 26969 | 40100 | 100 | 47 | 6.1 | 69 | 401 | 523 | 548 | 64 | 46712 |
| | 1 | 4130 | 360 | 2730 | 20995 | 28215 | 46100 | 290 | 43 | 6.3 | 68 | 410 | 528 | 561 | 103 | 46713 |
| | 2 | 3810 | 353 | 2670 | 21682 | 28515 | 45900 | 210 | 43 | 6.3 | 69 | 389 | 507 | 556 | 105 | 46714 |
| | 3 | 3720 | 330 | 2720 | 26770 | 33540 | 46900 | 270 | 45 | 6.5 | 70 | 478 | 599 | 502 | 111 | 46715 |
| | 4 | 3380 | 284 | 2670 | 35346 | 41680 | 42800 | 130 | 47 | 5.9 | 69 | 553 | 675 | 534 | 108 | 46716 |
| | 5 | 3250 | 285 | 2870 | 22163 | 28568 | 43700 | 150 | 50 | 6.1 | 72 | 478 | 606 | 603 | 99 | 46717 |
| | 6 | 3020 | 281 | 2530 | 23846 | 29677 | 37200 | 50 | 51 | 7.1 | 72 | 490 | 620 | 565 | 93 | 46718 |
| | 7 | 4140 | 363 | 2730 | 23301 | 30534 | 38900 | 340 | 50 | 6.8 | 68 | 477 | 602 | 505 | 126 | 46719 |
| | 8 | 4170 | 347 | 2680 | 24063 | 31260 | 44500 | 310 | 50 | 6.9 | 66 | 508 | 630 | 617 | 133 | 46720 |
| | 9 | 4010 | 390 | 2670 | 24158 | 31228 | 41100 | 240 | 52 | 6.7 | 68 | 518 | 645 | 613 | 137 | 46721 |
| 24 | 0 | 5130 | 641 | 2600 | 40452 | 48823 | 53900 | 13770 | 14 | 3.0 | 49 | 483 | 549 | 401 | 89 | 46724 |
| | 5 | 3960 | 472 | 2490 | 36851 | 43773 | 55100 | 22530 | 9 | 2.7 | 49 | 506 | 567 | 449 | 118 | 46725 |
| | 10 | 2340 | 431 | 2560 | 32186 | 37517 | 53800 | 23820 | 10 | 2.5 | 50 | 475 | 538 | 450 | 131 | 46726 |
| | 15 | 1360 | 338 | 2520 | 33168 | 37386 | 51300 | 29510 | 10 | 3.4 | 51 | 506 | 570 | 370 | 150 | 46727 |
| | 20 | 800 | 250 | 2530 | 29342 | 32922 | 48000 | 21850 | 9 | 3.8 | 54 | 450 | 517 | 541 | 124 | 46728 |
| | 25 | 590 | 254 | 2890 | 50428 | 54162 | 39000 | 26490 | 10 | 3.7 | 60 | 627 | 701 | 334 | 122 | 46729 |
| | 30 | 500 | 271 | 2840 | 46984 | 50595 | 46800 | 23000 | 10 | 4.0 | 63 | 426 | 503 | 423 | 105 | 46730 |
| | 35 | 650 | 237 | 2980 | 31988 | 35855 | 46100 | 17840 | 10 | 3.7 | 62 | 454 | 529 | 422 | 92 | 46731 |
| | 40 | 510 | 218 | 2960 | 28509 | 32197 | 46500 | 19840 | 10 | 3.5 | 60 | 421 | 495 | 392 | 106 | 46732 |
| | 45 | 500 | 256 | 2900 | 30598 | 34254 | 44600 | 19800 | 11 | 4.7 | 60 | 428 | 504 | 365 | 104 | 46733 |
| | 50 | 450 | 222 | 2900 | 30528 | 34100 | 45900 | 18570 | 12 | 4.1 | 60 | 419 | 495 | 389 | 99 | 46734 |
| | 55 | 240 | 278 | 2980 | 28361 | 31859 | 44500 | 16680 | 8 | 3.1 | 60 | 392 | 463 | 388 | 94 | 46735 |
| | 60 | 210 | 272 | 2990 | 27878 | 31350 | 44900 | 13580 | 8 | 3.2 | 58 | 387 | 456 | 386 | 80 | 46736 |
| | 65 | 430 | 209 | 2910 | 28199 | 31748 | 44100 | 13940 | 10 | 3.6 | 58 | 408 | 480 | 383 | 77 | 46737 |
| | 70 | 450 | 229 | 2960 | 30293 | 33932 | 44900 | 23340 | 9 | 3.5 | 55 | 407 | 475 | 359 | 103 | 46738 |
| | 75 | 270 | 268 | 3070 | 29203 | 32811 | 44300 | 25300 | 8 | 2.9 | 56 | 396 | 463 | 360 | 99 | 46739 |
| | 80 | 260 | 308 | 2700 | 25785 | 29053 | 43100 | 19570 | 7 | 2.8 | 53 | 354 | 417 | 357 | 89 | 46740 |

| Core | Depth cm | $Ca_{WA}$ $\mu gg^{-1}$ | $Ca_{HA}$ $\mu gg^{-1}$ | $Ca_{HHA}$ $\mu gg^{-1}$ | $Ca_{R}$ $\mu gg^{-1}$ | $Ca_{SUM}$ $\mu gg^{-1}$ | $Ca_{T}$ $\mu gg^{-1}$ | $Cu_{WA}$ $\mu gg^{-1}$ | $Cu_{HA}$ $\mu gg^{-1}$ | $Cu_{HHA}$ $\mu gg^{-1}$ | $Cu_{R}$ $\mu gg^{-1}$ | $Cu_{SUM}$ $\mu gg^{-1}$ | $Cu_{T}$ $\mu gg^{-1}$ | $Cu_{H2O2}$ $\mu gg^{-1}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 2740 | 444 | 903 | 1566 | 5653 | 7000 | 0.6 | 0.3 | 2.2 | 70 | 73 | 81 | 60 | 59101 |
| | 1 | 2320 | 377 | 875 | 1408 | 4980 | 8000 | 0 | 0 | 1.9 | 69 | 71 | 60 | 54 | 59102 |
| | 2 | 2250 | 390 | 709 | 1421 | 4770 | 4600 | 0 | 0 | 1.8 | 54 | 56 | 74 | 32 | 59103 |
| | 3 | 1200 | 242 | 885 | 1022 | 3349 | 5800 | 0 | 0 | 1.2 | 22 | 23 | 81 | 17 | 59104 |
| | 4 | 1140 | 145 | 538 | 745 | 2568 | 5700 | 0.3 | 0 | 0.9 | 19 | 20 | 82 | 23 | 59105 |
| | 5 | 1270 | 248 | 760 | 1278 | 3556 | 6600 | 0.2 | 0 | 0.7 | 49 | 50 | 72 | 36 | 59106 |
| | 6 | 1860 | 321 | 705 | 1550 | 4436 | 8300 | 0.7 | 0 | 0.4 | 58 | 59 | 70 | 47 | 59107 |
| | 7 | 1320 | 230 | 569 | 1214 | 3333 | 8200 | 1.6 | 0 | 0.5 | 45 | 47 | 58 | 32 | 59108 |
| | 8 | 1390 | 228 | 925 | 1575 | 4118 | 7000 | 1.6 | 0 | 0.4 | 52 | 54 | 53 | 33 | 59109 |
| | 9 | 1520 | 239 | 713 | 1537 | 4009 | 6800 | 1.8 | 0.4 | 0.8 | 54 | 57 | 58 | 46 | 59110 |
| | 10 | 1510 | 240 | 827 | 1378 | 3955 | 5400 | 1.1 | 0.1 | 0.4 | 56 | 58 | 66 | 44 | 59111 |
| | 11 | 1290 | 200 | 887 | 1128 | 3505 | 7200 | 3.4 | 0.2 | 0.5 | 40 | 44 | 55 | 34 | 59112 |
| | 12 | 1830 | 269 | 998 | 1382 | 4479 | 7100 | 0.6 | 0.4 | 0.4 | 55 | 57 | 67 | 49 | 59113 |
| | 13 | 1980 | 253 | 882 | 1455 | 4570 | 8100 | 0.6 | 0 | 0.4 | 56 | 57 | 58 | 46 | 59114 |
| | 14 | 1730 | 250 | 639 | 1927 | 4546 | 7800 | 3.0 | 0.4 | 0.2 | 48 | 51 | 60 | 41 | 59115 |
| | 15 | 2060 | 264 | 1039 | 1937 | 5300 | 5500 | 0.3 | 0.1 | 0.3 | 49 | 50 | 55 | 42 | 59116 |
| | 16 | 1740 | 397 | 1025 | 1360 | 4522 | 7700 | 0.3 | 0.3 | 0.8 | 43 | 44 | 53 | 40 | 59117 |
| | 17 | 1350 | 318 | 989 | 1507 | 4164 | 8700 | 2.6 | 0.2 | 0.4 | 37 | 40 | 50 | 34 | 59118 |
| | 18 | 1460 | 259 | 688 | 1569 | 3976 | 6200 | 2.5 | 0.3 | 0.3 | 43 | 46 | 47 | 32 | 59119 |
| | 19 | 1460 | 321 | 807 | 1636 | 4224 | 5300 | 0.6 | 0.3 | 0.2 | 42 | 43 | 49 | 32 | 59120 |
| | 20 | 1520 | 277 | 912 | 1867 | 4576 | 4300 | 1.9 | 0.2 | 0.2 | 33 | 35 | 37 | 29 | 59121 |
| | 21 | 1880 | 409 | 887 | 1708 | 4884 | 7900 | 0.5 | 0.1 | 0.1 | 38 | 39 | 42 | 28 | 59122 |
| | 22 | 1920 | 447 | 1085 | 1718 | 5170 | 7700 | 0.2 | 0.2 | 0 | 34 | 34 | 34 | 20 | 59123 |
| | 23 | 1620 | 453 | 730 | 1364 | 4167 | 9400 | 0.7 | 0.2 | 0.2 | 26 | 27 | 27 | 18 | 59124 |
| | 24 | 2050 | 586 | 849 | 1628 | 5113 | 7200 | 0.2 | 0.2 | 0 | 27 | 28 | 29 | 14 | 59125 |
| | 25 | 1830 | 610 | 877 | 1614 | 4931 | 5900 | 0.5 | 0.1 | 0 | 24 | 25 | 26 | 15 | 59126 |
| | 26 | 1760 | 500 | 635 | 1485 | 4380 | 8000 | 0.7 | 0.2 | 0.1 | 20 | 21 | 22 | 14 | 59127 |
| | 27 | 1820 | 467 | 997 | 1303 | 4587 | 7900 | 0.7 | 0.1 | 0.3 | 21 | 22 | 21 | 14 | 59128 |
| | 28 | 1950 | 524 | 866 | 1664 | 5004 | 8800 | 0.4 | 0 | 0.1 | 25 | 25 | 26 | 16 | 59129 |
| | 29 | 1880 | 576 | 928 | 1379 | 4763 | 8200 | 0.7 | 0 | 0.2 | 19 | 20 | 25 | 12 | 59130 |
| | 40 | 2660 | 793 | 910 | 1880 | 6243 | 9700 | 0.6 | 0.1 | 0.2 | 20 | 20 | 21 | 14 | 59131 |
| | 50 | 3560 | 876 | 925 | 1664 | 7025 | 6900 | 0.2 | 0 | 0.1 | 24 | 24 | 24 | 12 | 59132 |
| | 60 | 3220 | 827 | 988 | 1691 | 6726 | 7800 | 0.4 | 0.1 | 0 | 21 | 21 | 23 | 13 | 59133 |
| | 70 | 3260 | 1008 | 1024 | 1457 | 6749 | 9400 | 0.3 | 0 | 0.1 | 25 | 25 | 26 | 13 | 59134 |
| 3 | 0 | 980 | 200 | 624 | 1911 | 3715 | 7200 | 0.2 | 0.1 | 0.6 | 67 | 68 | 70 | 58 | 59135 |
| | 1 | 870 | 178 | 414 | 3349 | 4811 | 7400 | 0.4 | 0.2 | 0.5 | 63 | 64 | 68 | 54 | 59136 |
| | 2 | 1230 | 202 | 840 | 1748 | 4020 | 4900 | 0.2 | 0.2 | 0.3 | 64 | 65 | 71 | 54 | 59137 |
| | 3 | 1220 | 195 | 660 | 1625 | 3700 | 3800 | 0.3 | 0.1 | 0.3 | 65 | 66 | 66 | 55 | 59138 |
| | 4 | 1450 | 225 | 489 | 1748 | 3912 | 3800 | 0.4 | 0.1 | 0.3 | 64 | 65 | 69 | 56 | 59139 |
| | 5 | 1420 | 217 | 516 | 1766 | 3919 | 6200 | 0.2 | 0 | 0.3 | 60 | 61 | 65 | 55 | 59140 |
| | 6 | 1660 | 270 | 494 | 1489 | 3913 | 4800 | 0.2 | 0 | 0.2 | 60 | 61 | 66 | 53 | 59141 |
| | 7 | 2090 | 307 | 603 | 1381 | 4381 | 7800 | 0.2 | 0 | 0.1 | 59 | 59 | 65 | 49 | 59142 |
| | 8 | 2170 | 346 | 678 | 1208 | 4402 | 7900 | 0.3 | 0 | 0.1 | 56 | 56 | 60 | 48 | 59143 |
| | 9 | 2600 | 323 | 839 | 1476 | 5238 | 7000 | 0.1 | 0 | 0.4 | 47 | 47 | 52 | 34 | 59144 |
| | 10 | 2060 | 324 | 875 | 1118 | 4377 | 7900 | 0.1 | 0.2 | 0.2 | 43 | 44 | 49 | 36 | 59145 |
| | 11 | 2100 | 298 | 714 | 1163 | 4275 | 7400 | 0.2 | 0.2 | 0.1 | 39 | 40 | 44 | 28 | 59146 |
| | 12 | 2200 | 297 | 425 | 1370 | 4292 | 6700 | 0.2 | 0.1 | 0 | 36 | 36 | 41 | 23 | 59147 |
| | 13 | 2320 | 307 | 431 | 1363 | 4421 | 7100 | 0.2 | 0 | 0 | 33 | 33 | 33 | 23 | 59148 |
| | 14 | 2250 | 348 | 631 | 1114 | 4343 | 8800 | 0.2 | 0 | 0.1 | 39 | 40 | 40 | 28 | 59149 |
| | 15 | 2420 | 365 | 873 | 1846 | 5504 | 8300 | 0.4 | 0 | 0.1 | 32 | 32 | 34 | 25 | 59150 |
| | 16 | 2440 | 424 | 498 | 1183 | 4545 | 4100 | 0.5 | 0 | 0.1 | 28 | 28 | 16 | 24 | 59151 |
| | 17 | 2440 | 366 | 533 | 1096 | 4435 | 4400 | 0.3 | 0 | 0.2 | 26 | 27 | 15 | 24 | 59152 |
| | 18 | 2670 | 476 | 657 | 1692 | 5495 | 4800 | 0.1 | 0.2 | 0.2 | 29 | 29 | 20 | 25 | 59153 |

| Core | Depth | $Ca_{WA}$ | $Ca_{HA}$ | $Ca_{HHA}$ | $Ca_{R}$ | $Ca_{SUM}$ | $Ca_{T}$ | $Cu_{WA}$ | $Cu_{HA}$ | $Cu_{HHA}$ | $Cu_{R}$ | $Cu_{SUM}$ | $Cu_{T}$ | $Cu_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 3 | 19 | 2820 | 450 | 801 | 1253 | 5324 | 4700 | 0.4 | 0.1 | 0.2 | 28 | 29 | 19 | 24 | 59154 |
| | 20 | 2560 | 440 | 706 | 1339 | 5045 | 4600 | 0.1 | 0.2 | 0.2 | 29 | 30 | 16 | 24 | 59155 |
| | 25 | 4730 | 1532 | 1093 | 1480 | 8835 | 4400 | 0.8 | 0.1 | 0 | 26 | 27 | 27 | 23 | 59156 |
| | 30 | 9260 | 1134 | 870 | 1161 | 12425 | 5200 | 0.2 | 0 | 0.1 | 28 | 28 | 21 | 20 | 59157 |
| | 35 | 3640 | 472 | 675 | 840 | 5627 | 6700 | 0.2 | 0 | 0 | 26 | 26 | 21 | 21 | 59158 |
| | 40 | 2830 | 472 | 678 | 950 | 4930 | 4900 | 0.2 | 0 | 0 | 29 | 30 | 20 | 22 | 59159 |
| | 45 | 3810 | 531 | 722 | 751 | 5814 | 5400 | 0.2 | 0 | 0.1 | 28 | 28 | 22 | 17 | 59160 |
| | 50 | 22260 | 1860 | 1232 | 880 | 26232 | 18700 | 0.6 | 0.1 | 0.6 | 26 | 27 | 25 | 13 | 59161 |
| | 55 | 2440 | 609 | 689 | 668 | 4406 | 5400 | 0.1 | 0 | 0.3 | 25 | 26 | 17 | 15 | 59162 |
| | 60 | 2380 | 563 | 633 | 933 | 4509 | 4300 | 0.1 | 0 | 0.2 | 26 | 27 | 25 | 19 | 59163 |
| | 65 | 3350 | 595 | 750 | 1026 | 5721 | 5500 | 0.1 | 0 | 0.2 | 27 | 27 | 21 | 16 | 59164 |
| 7 | 0 | 1250 | 208 | 336 | 1744 | 3538 | 5600 | 1.1 | 0.1 | 1.5 | 85 | 87 | 84 | 68 | 59165 |
| | 1 | 1030 | 163 | 459 | 1440 | 3092 | 4800 | 0.3 | 0.1 | 1.5 | 71 | 73 | 75 | 60 | 59166 |
| | 2 | 940 | 178 | 402 | 1549 | 3069 | 6300 | 0.2 | 0 | 1.4 | 72 | 74 | 76 | 61 | 59167 |
| | 3 | 950 | 163 | 629 | 1179 | 2921 | 6700 | 0.3 | 0 | 1.5 | 66 | 68 | 68 | 54 | 59168 |
| | 4 | 920 | 158 | 585 | 1274 | 2937 | 4300 | 0.1 | 0 | 1.2 | 66 | 67 | 65 | 53 | 59169 |
| | 5 | 1270 | 188 | 481 | 1264 | 3203 | 4300 | 0.2 | 0 | 0.7 | 61 | 62 | 67 | 51 | 59170 |
| | 6 | 1090 | 185 | 693 | 1110 | 3078 | 4300 | 0.2 | 0 | 0.4 | 62 | 63 | 62 | 49 | 59171 |
| | 7 | 1190 | 238 | 423 | 893 | 2744 | 4000 | 0.2 | 0 | 0.3 | 62 | 62 | 62 | 48 | 59172 |
| | 8 | 1380 | 316 | 3931 | 874 | 6501 | 4600 | 0 | 0 | | 66 | | 68 | 55 | 59173 |
| | 9 | 1570 | 378 | 267 | 1039 | 3254 | 6400 | 0 | 0 | 0.3 | 66 | 66 | 74 | 60 | 59174 |
| | 10 | 1460 | 501 | 561 | 1454 | 3976 | 7500 | 0.1 | 0.3 | 0.1 | 66 | 66 | 61 | 58 | 59175 |
| | 11 | 1730 | 466 | 401 | 1452 | 4049 | 4400 | 0.1 | 0 | 0.3 | 66 | 66 | 58 | 67 | 59176 |
| | 12 | 3020 | 535 | 380 | 932 | 4867 | 5700 | 0.1 | 0 | 0.2 | 59 | 60 | 45 | 59 | 59177 |
| | 13 | 2000 | 459 | 612 | 1132 | 4203 | 5200 | 0 | 0 | 0.1 | 65 | 65 | 65 | 58 | 59178 |
| 8 | 0 | 2350 | 453 | 582 | 1405 | 4790 | 6900 | 0.3 | 0 | 3.4 | 106 | 110 | 126 | 93 | 59179 |
| | 1 | 3110 | 575 | 536 | 1196 | 5417 | 4700 | 0.4 | 0 | 3.6 | 136 | 140 | 143 | 113 | 59180 |
| | 2 | 1510 | 539 | 546 | 1354 | 3949 | 6900 | 0.4 | 0 | 3.5 | 135 | 139 | 144 | 120 | 59181 |
| | 3 | 1470 | 452 | 841 | 1198 | 3961 | 5400 | 0.4 | 0 | 3.3 | 134 | 137 | 131 | 104 | 59182 |
| | 4 | 1410 | 454 | 534 | 1872 | 4270 | 4700 | 0.5 | 0 | 3.8 | 140 | 145 | 140 | 105 | 59183 |
| 9 | 0 | 4130 | 720 | 1051 | 1452 | 7353 | 9600 | 0.2 | 0 | 2.3 | 106 | 109 | 102 | 56 | 59184 |
| | 1 | 4450 | 924 | 809 | 1326 | 7509 | 7200 | 0.3 | 0 | 2.0 | 108 | 110 | 111 | 70 | 59185 |
| | 2 | 2890 | 755 | 668 | 1863 | 6176 | 8700 | 0.3 | 0 | 1.8 | 110 | 112 | 114 | 74 | 59186 |
| | 3 | 20490 | 1094 | 552 | 1621 | 23757 | 6200 | 0.9 | 0 | 2.0 | 94 | 96 | 129 | 65 | 59187 |
| | 4 | 3560 | 792 | 767 | 1922 | 7041 | 6000 | 0.3 | 0.1 | 2.4 | 111 | 113 | 121 | 91 | 59188 |
| | 5 | 2700 | 860 | 869 | 1784 | 6213 | 115300 | 0.4 | 0.1 | 2.3 | 106 | 109 | 89 | 88 | 59189 |
| | 6 | 2110 | 516 | 687 | 1339 | 4652 | 8000 | 0.3 | 0 | 2.4 | 76 | 79 | 110 | 78 | 59190 |
| 10 | 0 | 1400 | 452 | 274 | 2102 | 4228 | 4200 | 0.4 | 0.1 | 1.5 | 161 | 163 | 179 | 132 | 59195 |
| | 1 | 1240 | 439 | 869 | 2250 | 4798 | 4800 | 0.4 | 0.2 | 1.8 | 143 | 146 | 148 | 142 | 59196 |
| | 2 | 1540 | 262 | 518 | 1352 | 3672 | 7400 | 0.8 | 0.5 | 1.1 | 131 | 133 | 152 | 142 | 59197 |
| | 3 | 1540 | 299 | 644 | 1871 | 4354 | 5100 | 0.8 | 0.5 | 1.5 | 148 | 151 | 152 | 131 | 59198 |
| | 4 | 1580 | 292 | 643 | 1796 | 4311 | 6100 | 0.7 | 0.5 | 1.5 | 144 | 146 | 158 | 125 | 59199 |
| | 5 | 1160 | 219 | 603 | 2082 | 4064 | 5800 | 1.1 | 1.1 | 2.1 | 104 | 108 | 127 | 113 | 59200 |
| | 6 | 1230 | 258 | 603 | 1873 | 3964 | 7800 | 0.6 | 0.9 | 1.2 | 115 | 118 | 119 | 140 | 59201 |
| 12 | 0 | 910 | 191 | 548 | 2013 | 3662 | 5900 | 0.6 | 0.6 | 2.7 | 163 | 167 | 185 | 158 | 59202 |
| | 1 | 960 | 199 | 470 | 1867 | 3496 | 7900 | 0.6 | 0.5 | 1.8 | 168 | 171 | 158 | 151 | 59203 |
| | 2 | 1050 | 198 | 431 | 1958 | 3637 | 6900 | 0.6 | 0.5 | 1.9 | 172 | 175 | 181 | 140 | 59204 |
| | 3 | 1030 | 256 | 593 | 2052 | 3931 | 5700 | 0.6 | 0.8 | 3.2 | 181 | 186 | 179 | 163 | 59205 |
| | 4 | 1200 | 309 | 697 | 1744 | 3950 | 4300 | 0.4 | 0.6 | 2.5 | 206 | 209 | 200 | 168 | 59206 |

| Core | Depth cm | $Ca_{WA}$ $\mu gg^{-1}$ | $Ca_{HA}$ $\mu gg^{-1}$ | $Ca_{HHA}$ $\mu gg^{-1}$ | $Ca_{R}$ $\mu gg^{-1}$ | $Ca_{SUM}$ $\mu gg^{-1}$ | $Ca_{T}$ $\mu gg^{-1}$ | $Cu_{WA}$ $\mu gg^{-1}$ | $Cu_{HA}$ $\mu gg^{-1}$ | $Cu_{HHA}$ $\mu gg^{-1}$ | $Cu_{R}$ $\mu gg^{-1}$ | $Cu_{SUM}$ $\mu gg^{-1}$ | $Cu_{T}$ $\mu gg^{-1}$ | $Cu_{H2O2}$ $\mu gg^{-1}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 5 | 1400 | 348 | 669 | 1670 | 4087 | 5100 | 0.4 | 0.2 | 2.1 | 214 | 216 | 199 | 205 | 59207 |
| | 6 | 1600 | 355 | 650 | 1914 | 4519 | 5300 | 0.4 | 0.1 | 2.3 | 220 | 223 | 208 | 228 | 59208 |
| | 7 | 1270 | 259 | 488 | 1850 | 3867 | 5400 | 0.6 | 0.1 | 2.8 | 226 | 230 | 211 | 187 | 59209 |
| | 8 | 1300 | 245 | 705 | 2052 | 4302 | 3900 | 0.4 | 0.1 | 2.5 | 220 | 223 | 202 | 202 | 59210 |
| | 9 | 1470 | 326 | 531 | 2010 | 4337 | 4100 | 0.6 | 0.1 | 2.0 | 192 | 195 | 188 | 171 | 59211 |
| | 10 | 1340 | 299 | 665 | 1947 | 4251 | 4000 | 0.6 | 0 | 2.2 | 227 | 229 | 169 | 181 | 59212 |
| 16 | 0 | 2920 | 492 | 618 | 2019 | 6049 | 6900 | 0.3 | 0.3 | 1.2 | 102 | 104 | 97 | 83 | 59226 |
| | 1 | 1620 | 616 | 848 | 2095 | 5179 | 6200 | 0.1 | 0.6 | 1.3 | 110 | 112 | 95 | 80 | 59227 |
| | 2 | 1940 | 447 | 861 | 2613 | 5861 | 7200 | 0.2 | 0.4 | 1.2 | 102 | 104 | 99 | 82 | 59228 |
| | 3 | 1770 | 468 | 607 | 1894 | 4739 | 6100 | 0.2 | 0.5 | 1.5 | 101 | 103 | 110 | 84 | 59229 |
| | 4 | 1930 | 491 | 633 | 1827 | 4881 | 5100 | 0.2 | 0.7 | 1.8 | 99 | 102 | 95 | 92 | 59230 |
| | 5 | 1850 | 469 | 584 | 2029 | 4932 | 6200 | 0.2 | 0.7 | 1.7 | 103 | 106 | 106 | 94 | 59231 |
| | 6 | 1870 | 426 | 765 | 1987 | 5048 | 5300 | 0.5 | 0.7 | 2.3 | 105 | 109 | 108 | 103 | 59232 |
| | 7 | 1840 | 459 | 732 | 2341 | 5372 | 5000 | 0.4 | 0.7 | 1.8 | 113 | 116 | 116 | 107 | 59233 |
| | 8 | 1680 | 528 | 734 | 2275 | 5217 | 4800 | 0.6 | 1.8 | 1.9 | 125 | 129 | 113 | 108 | 59234 |
| | 9 | 1650 | 418 | 1035 | 2029 | 5132 | 12600 | 0.4 | 1.2 | 1.5 | 103 | 106 | 97 | 96 | 59235 |
| | 10 | 1600 | 426 | 1057 | 1894 | 4977 | 4900 | 0.4 | 1.1 | 1.4 | 104 | 107 | 96 | 93 | 59236 |
| | 11 | 2020 | 516 | 779 | 2203 | 5518 | 4800 | 0.4 | 0.3 | 0.5 | 84 | 85 | 85 | 70 | 59237 |
| | 12 | 3600 | 1487 | 1059 | 2492 | 8638 | 7300 | 0.3 | 0.2 | 0.3 | 73 | 74 | 73 | 59 | 59238 |
| | 13 | 3170 | 979 | 703 | 2275 | 7127 | 7500 | 0.3 | 0.1 | 0.4 | 67 | 67 | 67 | 53 | 59239 |
| | 14 | 3030 | 554 | 676 | 2254 | 6514 | 6100 | 0.4 | 0 | 0.4 | 64 | 65 | 67 | 57 | 59240 |
| | 15 | 2890 | 862 | 1087 | 2215 | 7054 | 6600 | 0.2 | 0 | 0.6 | 78 | 79 | 74 | 61 | 59241 |
| | 20 | 3040 | 776 | 855 | 2117 | 6788 | 4900 | 0.4 | 0 | 0.7 | 78 | 80 | 49 | 63 | 59242 |
| | 25 | 3230 | 686 | 834 | 2141 | 6891 | 4400 | 0.2 | 0 | 0.4 | 70 | 71 | 75 | 62 | 59243 |
| | 30 | 8060 | 1953 | 917 | 2746 | 13676 | 9800 | 0.4 | 0 | 0.3 | 49 | 50 | 51 | 45 | 59244 |
| | 35 | 2680 | 1242 | 622 | 2384 | 6928 | 5800 | 0.2 | 0 | 0.3 | 41 | 41 | 46 | 31 | 59245 |
| | 40 | 3780 | 1219 | 861 | 2485 | 8345 | 8700 | 0.4 | 0 | 0.3 | 37 | 38 | 40 | 25 | 59246 |
| | 45 | 4140 | 1431 | 681 | 2038 | 8290 | 7300 | 0.7 | 0 | 0.3 | 29 | 30 | 30 | 21 | 59247 |
| 18 | 0 | 2330 | 420 | 451 | 2180 | 5381 | 6900 | 0.3 | 0.2 | 1.5 | 88 | 90 | 92 | 69 | 59213 |
| | 1 | 3550 | 501 | 496 | 2160 | 6707 | 7400 | 0.4 | 0.1 | 1.4 | 90 | 92 | 84 | 67 | 59214 |
| | 2 | 3880 | 641 | 724 | 2203 | 7448 | 6500 | 0.1 | 0.3 | 1.5 | 93 | 94 | 85 | 72 | 59215 |
| | 3 | 4820 | 727 | 491 | 1994 | 8032 | 7200 | 0.2 | 0.2 | 1.5 | 92 | 94 | 91 | 74 | 59216 |
| | 4 | 4390 | 657 | 563 | 2078 | 7688 | 6900 | 0.2 | 0.1 | 1.4 | 94 | 95 | 96 | 73 | 59217 |
| | 5 | 3930 | 647 | 728 | 2008 | 7313 | 6300 | 0.2 | 0.1 | 1.5 | 98 | 100 | 86 | 74 | 59218 |
| | 6 | 3900 | 548 | 435 | 2198 | 7081 | 5600 | 0 | 0.1 | 1.8 | 97 | 99 | 97 | 80 | 59219 |
| | 7 | 2270 | 492 | 517 | 2010 | 5289 | 4600 | 0 | 0.2 | 2.1 | 101 | 103 | 100 | 83 | 59220 |
| | 8 | 2190 | 497 | 499 | 1921 | 5107 | 5500 | 0.4 | 0.4 | 1.8 | 102 | 105 | 99 | 85 | 59221 |
| | 9 | 2110 | 457 | 581 | 2114 | 5262 | 6000 | 0.3 | 0.7 | 1.4 | 97 | 99 | 96 | 85 | 59222 |
| | 10 | 4490 | 728 | 551 | 2390 | 8159 | 5700 | 0.2 | 0.3 | 1.3 | 100 | 102 | 101 | 82 | 59223 |
| | 11 | 3670 | 594 | 473 | 2575 | 7312 | 6200 | 0.2 | 0.2 | 1.6 | 104 | 106 | 106 | 87 | 59224 |
| | 12 | 2490 | 496 | 577 | 2071 | 5634 | 5700 | 0.3 | 0.5 | 1.5 | 106 | 108 | 112 | 91 | 59225 |
| 19 | 0 | 2560 | 428 | 626 | 1703 | 5317 | 5500 | 4.1 | 0.5 | 0.3 | 493 | 498 | 66 | 49 | 59248 |
| | 1 | 4530 | 464 | 558 | 1674 | 7226 | 5100 | 0.4 | 0 | 0.2 | 93 | 93 | 99 | 211 | 59249 |
| | 2 | 2370 | 423 | 461 | 1774 | 5028 | 3000 | 0.2 | 0 | 0.1 | 71 | 71 | 73 | 65 | 59250 |
| | 3 | 7610 | 810 | 1098 | 2322 | 11840 | 4200 | 0.3 | 0 | 0.1 | 65 | 65 | 71 | 63 | 59251 |
| | 4 | 1760 | 418 | 661 | 2797 | 5636 | 3900 | 0.3 | 0 | 0.2 | 81 | 82 | 69 | 73 | 59252 |
| | 5 | 2210 | 464 | 596 | 1668 | 4938 | 5000 | 0.2 | 0 | 0 | 76 | 76 | 46 | 65 | 59253 |
| | 6 | 1950 | 466 | 669 | 2322 | 5407 | 5200 | 0.3 | 0 | 0 | 63 | 64 | 47 | 40 | 59254 |
| | 7 | 1960 | 422 | 888 | 1523 | 4793 | 4900 | 0.3 | 0 | 0.1 | 54 | 54 | 53 | 56 | 59255 |
| | 8 | 2520 | 380 | 493 | 1947 | 5340 | 11100 | 0.2 | 0 | 1.8 | 62 | 64 | 34 | 36 | 59256 |
| | 9 | 2830 | 425 | 560 | 1764 | 5579 | 5200 | 0.1 | 0.1 | 0.3 | 53 | 53 | 50 | 47 | 59257 |

| Core | Depth | $Ca_{WA}$ | $Ca_{HA}$ | $Ca_{HHA}$ | $Ca_{R}$ | $Ca_{SUM}$ | $Ca_{T}$ | $Cu_{WA}$ | $Cu_{HA}$ | $Cu_{HHA}$ | $Cu_{R}$ | $Cu_{SUM}$ | $Cu_{T}$ | $Cu_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 19 | 10 | 2120 | 457 | 840 | 1607 | 5024 | 5700 | 0 | 0.1 | 0.2 | 55 | 56 | 9 | 15 | 59258 |
| | 11 | 2470 | 543 | 882 | 1816 | 5711 | 14500 | 0 | 0 | 0.1 | 48 | 48 | 39 | 29 | 59259 |
| | 12 | 3150 | 610 | 868 | 2215 | 6843 | 5800 | 0 | 0 | 0.1 | 263 | 263 | 26 | 18 | 59260 |
| | 13 | 2860 | 630 | 812 | 1912 | 6214 | 4900 | 0 | 0 | 0 | 17 | 17 | 14 | 20 | 59261 |
| | 14 | 4850 | 799 | 957 | 1808 | 8414 | 5500 | 0.2 | 0 | 0.1 | 16 | 17 | 26 | 14 | 59262 |
| | 15 | 4860 | 746 | 722 | 2022 | 8350 | 6300 | 0.1 | 0 | 0.1 | 16 | 16 | 9 | 18 | 59263 |
| | 20 | 2770 | 669 | 954 | 1768 | 6161 | 5100 | 0.1 | 0 | 0.8 | 16 | 17 | 27 | 16 | 59264 |
| | 25 | 2080 | 411 | 865 | 1848 | 5204 | 5200 | 0.3 | 0 | 0.2 | 66 | 67 | 67 | 60 | 59265 |
| | 30 | 1470 | 208 | 711 | 2038 | 4427 | 4900 | 0.7 | 0.3 | 1.2 | 139 | 141 | 116 | 124 | 59266 |
| | 35 | 1640 | 241 | 731 | 1804 | 4416 | 5000 | 0.4 | 0.2 | 0.6 | 132 | 133 | 66 | 98 | 59267 |
| | 40 | 1670 | 432 | 664 | 1960 | 4726 | 5000 | 0.2 | 0 | 0.2 | 19 | 19 | 25 | 24 | 59268 |
| 20 | 0 | 3500 | 413 | 516 | 2173 | 6602 | 6100 | 0 | 0.2 | 0.8 | 60 | 61 | 65 | 53 | 46701 |
| | 1 | 2880 | 420 | 722 | 2017 | 6039 | 5700 | 0 | 0 | 0.5 | 55 | 56 | 72 | 52 | 46702 |
| | 2 | 2830 | 425 | 609 | 1921 | 5785 | 5300 | 0 | 0 | 0.4 | 64 | 64 | 70 | 54 | 46703 |
| | 3 | 3820 | 564 | 337 | 2071 | 6792 | 6300 | 0 | 0 | 0.8 | 65 | 66 | 67 | 55 | 46704 |
| | 4 | 3110 | 442 | 337 | 2112 | 6001 | 6200 | 0 | 0 | 0.9 | 60 | 61 | 64 | 51 | 46705 |
| | 5 | 3950 | 458 | 472 | 2338 | 7218 | 7000 | 0 | 0 | 0.7 | 55 | 56 | 61 | 46 | 46706 |
| | 6 | 3920 | 436 | 326 | 1932 | 6614 | 6000 | 0 | 0 | 0.5 | 56 | 57 | 62 | 46 | 46707 |
| | 7 | 3520 | 461 | 253 | 1835 | 6069 | 6500 | 0 | 0 | 0.4 | 56 | 56 | 71 | 48 | 46708 |
| | 8 | 3730 | 464 | 282 | 2188 | 6664 | 6800 | 0 | 0 | 0.7 | 56 | 57 | 71 | 46 | 46709 |
| | 9 | 3860 | 499 | 419 | 1912 | 6690 | 7700 | 0.5 | 0.3 | 1.3 | 59 | 61 | 63 | 51 | 46710 |
| | 10 | 4260 | 706 | 434 | 1962 | 7362 | 6000 | 0.3 | 0.1 | 0.7 | 50 | 51 | 54 | 40 | 46711 |
| 23 | 0 | 11170 | 716 | 710 | 2246 | 14842 | 13100 | 0.4 | 0.1 | 0.5 | 41 | 42 | 50 | 1 | 46712 |
| | 1 | 11600 | 633 | 940 | 1814 | 14987 | 11200 | 0.3 | 0.1 | 0.7 | 46 | 47 | 53 | 6 | 46713 |
| | 2 | 9560 | 657 | 1055 | 1800 | 13072 | 11400 | 0.3 | 0.1 | 0.6 | 44 | 45 | 46 | 9 | 46714 |
| | 3 | 9650 | 645 | 929 | 1802 | 13026 | 11600 | 0.4 | 0 | 0.6 | 43 | 44 | 50 | 10 | 46715 |
| | 4 | 9250 | 562 | 821 | 2150 | 12783 | 10300 | 0.4 | 0.1 | 1.0 | 39 | 40 | 48 | 4 | 46716 |
| | 5 | 10610 | 631 | 1007 | 2190 | 14438 | 11000 | 0.3 | 0.2 | 0.7 | 40 | 41 | 50 | 1 | 46717 |
| | 6 | 11100 | 709 | 739 | 1987 | 14535 | 11500 | 0.3 | 0.2 | 0.6 | 35 | 37 | 42 | 1 | 46718 |
| | 7 | 10890 | 671 | 782 | 2330 | 14673 | 8500 | 0.3 | 0.2 | 0.6 | 37 | 38 | 47 | 2 | 46719 |
| | 8 | 11650 | 623 | 754 | 2013 | 15040 | 14200 | 0.3 | 0.1 | 0.7 | 40 | 41 | 41 | 19 | 46720 |
| | 9 | 8500 | 674 | 616 | 2259 | 12049 | 13700 | 0.3 | 0 | 0.5 | 40 | 41 | 44 | 6 | 46721 |
| 24 | 0 | 2180 | 307 | 485 | 1766 | 4738 | 6400 | 0.3 | 0.1 | 1.4 | 64 | 66 | 104 | 89 | 46724 |
| | 5 | 2180 | 299 | 642 | 1800 | 4921 | 5900 | 0.3 | 0 | 0.6 | 103 | 104 | 109 | 81 | 46725 |
| | 10 | 1930 | 419 | 851 | 1754 | 4954 | 5000 | 0.2 | 0.1 | 0.2 | 115 | 115 | 76 | 55 | 46726 |
| | 15 | 2380 | 511 | 402 | 1732 | 5025 | 4500 | 0.2 | 0 | 0.2 | 36 | 37 | 32 | 23 | 46727 |
| | 20 | 3180 | 548 | 429 | 1381 | 5538 | 5400 | 0.4 | 0.1 | 0.3 | 30 | 31 | 31 | 6 | 46728 |
| | 25 | 2580 | 568 | 819 | 1579 | 5546 | 4700 | 0.1 | 0 | 2.8 | 26 | 29 | 27 | 7 | 46729 |
| | 30 | 3200 | 722 | 701 | 1600 | 6223 | 7300 | 0.3 | 0 | 0.3 | 25 | 26 | 28 | 11 | 46730 |
| | 35 | 3780 | 759 | 783 | 1661 | 6983 | 6300 | 0.3 | 0 | 0.2 | 27 | 28 | 28 | 7 | 46731 |
| | 40 | 3860 | 792 | 672 | 1532 | 6856 | 6200 | 0.4 | 0 | 0.3 | 28 | 29 | 29 | 17 | 46732 |
| | 45 | 4100 | 799 | 980 | 1505 | 7384 | 6400 | 0.4 | 0 | 0.2 | 27 | 27 | 20 | 12 | 46733 |
| | 50 | 4740 | 955 | 794 | 1442 | 7931 | 6700 | 0.4 | 0 | 0.1 | 27 | 28 | 28 | 11 | 46734 |
| | 55 | 2540 | 685 | 835 | 1580 | 5640 | 6400 | 0.4 | 0 | 0 | 24 | 25 | 28 | 18 | 46735 |
| | 60 | 2740 | 587 | 607 | 1505 | 5439 | 6300 | 0.2 | 0 | 0.2 | 25 | 25 | 31 | 17 | 46736 |
| | 65 | 8070 | 1110 | 1125 | 1471 | 11776 | 6800 | 0.5 | 0.2 | 0.4 | 24 | 25 | 27 | 13 | 46737 |
| | 70 | 3280 | 820 | 741 | 1476 | 6317 | 6400 | 0.4 | 0.2 | 0.6 | 27 | 28 | 30 | 19 | 46738 |
| | 75 | 2700 | 675 | 689 | 1554 | 5618 | 6400 | 0.4 | 0.2 | 0.6 | 24 | 25 | 37 | 17 | 46739 |
| | 80 | | 678 | 742 | 1402 | | 6400 | 0.3 | 0.1 | 0.4 | 23 | 23 | 29 | 18 | 46740 |

| Core | Depth | $Zn_{WA}$ | $Zn_{HA}$ | $Zn_{HHA}$ | $Zn_{R}$ | $Zn_{SUM}$ | $Zn_{T}$ | $Zn_{H2O2}$ | $Ni_{WA}$ | $Ni_{HA}$ | $Ni_{HHA}$ | $Ni_{R}$ | $Ni_{SUM}$ | $Ni_{T}$ | $Ni_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 1 | 0 | 25.7 | 18.0 | 94.8 | 72 | 211 | 266 | 177 | 2.7 | 1.2 | 7.6 | 16 | 28 | 41 | 10.2 | 59101 |
| | 1 | 23.3 | 15.1 | 100.3 | 73 | 212 | 210 | 157 | 2.9 | 0.6 | 6.3 | 17 | 26 | 30 | 8.1 | 59102 |
| | 2 | 16.5 | 11.8 | 66.2 | 52 | 147 | 228 | 92 | 2.0 | 0.6 | 5.5 | 13 | 21 | 35 | 6.9 | 59103 |
| | 3 | 17.1 | 10.0 | 46.3 | 34 | 108 | 235 | 40 | 1.4 | 0 | 4.6 | 3 | 9 | 34 | 4.0 | 59104 |
| | 4 | 22.6 | 6.7 | 34.6 | 28 | 92 | 286 | 109 | 1.1 | 0.8 | 5.6 | 10 | 18 | 39 | 6.4 | 59105 |
| | 5 | 18.9 | 6.5 | 32.2 | 45 | 102 | 208 | 91 | 1.7 | 0 | 6.7 | 16 | 24 | 35 | 8.9 | 59106 |
| | 6 | 30.8 | 11.0 | 38.8 | 84 | 165 | 191 | 127 | 2.1 | 0.7 | 8.1 | 9 | 20 | 38 | 11.6 | 59107 |
| | 7 | 34.0 | 13.7 | 35.4 | 67 | 150 | 163 | 91 | 1.7 | 1.0 | 7.2 | 7 | 17 | 33 | 8.7 | 59108 |
| | 8 | 32.1 | 7.4 | 32.2 | 76 | 148 | 140 | 91 | 1.2 | 0.6 | 7.9 | 4 | 13 | 36 | 9.2 | 59109 |
| | 9 | 38.3 | 9.4 | 36.8 | 81 | 166 | 166 | 128 | 2.4 | 0.7 | 7.3 | 6 | 16 | 31 | 10.3 | 59110 |
| | 10 | 32.0 | 8.8 | 38.9 | 89 | 168 | 200 | 121 | 2.1 | 0.6 | 7.2 | 6 | 16 | 34 | 10.7 | 59111 |
| | 11 | 40.3 | 6.6 | 25.3 | 63 | 135 | 168 | 95 | 2.3 | 0 | 6.9 | 3 | 12 | 30 | 8.5 | 59112 |
| | 12 | 31.9 | 10.2 | 39.6 | 86 | 167 | 204 | 138 | 2.3 | 0 | 8.0 | 16 | 27 | 34 | 11.3 | 59113 |
| | 13 | 27.9 | 8.4 | 44.6 | 93 | 174 | 195 | 112 | 2.3 | 0.2 | 7.7 | 17 | 27 | 28 | 11.4 | 59114 |
| | 14 | 34.2 | 8.3 | 30.0 | 70 | 143 | 178 | 105 | 3.1 | 0.1 | 6.9 | 14 | 24 | 36 | 9.4 | 59115 |
| | 15 | 24.4 | 8.5 | 35.3 | 72 | 140 | 161 | 105 | 2.0 | 0.3 | 8.4 | 15 | 26 | 39 | 11.9 | 59116 |
| | 16 | 25.6 | 13.5 | 31.8 | 59 | 130 | 151 | 103 | 2.0 | 0.8 | 6.6 | 19 | 29 | 45 | 12.2 | 59117 |
| | 17 | 29.1 | 5.7 | 20.3 | 66 | 121 | 137 | 71 | 1.8 | 0.7 | 6.9 | 10 | 20 | 43 | 9.4 | 59118 |
| | 18 | 24.5 | 3.3 | 23.3 | 59 | 110 | 130 | 67 | 1.9 | 1.1 | 6.9 | 17 | 27 | 39 | 9.4 | 59119 |
| | 19 | 16.5 | 2.8 | 23.9 | 63 | 106 | 133 | 69 | 1.7 | 0.9 | 7.2 | 24 | 34 | 44 | 12.1 | 59120 |
| | 20 | 17.3 | 1.3 | 19.7 | 55 | 94 | 100 | 52 | 1.8 | 0.9 | 8.0 | 18 | 29 | 40 | 10.6 | 59121 |
| | 21 | 10.7 | 2.4 | 21.0 | 62 | 96 | 108 | 52 | 1.5 | 0.6 | 8.7 | 18 | 29 | 44 | 12.7 | 59122 |
| | 22 | 7.6 | 1.0 | 19.9 | 64 | 93 | 93 | 40 | 1.3 | 1.1 | 9.2 | 23 | 35 | 44 | 13.9 | 59123 |
| | 23 | 6.9 | 0 | 14.3 | 55 | 76 | 82 | 33 | 1.9 | 0.8 | 8.7 | 20 | 32 | 34 | 11.0 | 59124 |
| | 24 | 4.7 | 0 | 16.9 | 66 | 88 | 88 | 33 | 1.2 | 0.6 | 7.8 | 23 | 33 | 35 | 13.3 | 59125 |
| | 25 | 6.7 | 0 | 15.9 | 63 | 86 | 85 | 31 | 1.1 | 1.5 | 7.4 | 16 | 26 | 33 | 11.6 | 59126 |
| | 26 | 8.1 | 0 | 15.2 | 51 | 75 | 73 | 30 | 2.5 | 0.7 | 7.4 | 21 | 32 | 26 | 11.0 | 59127 |
| | 27 | 5.6 | 1.5 | 17.8 | 54 | 78 | 72 | 26 | 1.4 | 0.8 | 6.8 | 16 | 25 | 22 | 10.4 | 59128 |
| | 28 | 6.3 | 1.1 | 19.5 | 66 | 93 | 86 | 33 | 1.1 | 0.7 | 6.3 | 22 | 31 | 32 | 12.1 | 59129 |
| | 29 | 5.6 | 0.9 | 18.9 | 52 | 78 | 77 | 27 | 1.6 | 0.7 | 6.4 | 23 | 31 | 28 | 10.5 | 59130 |
| | 40 | 3.4 | 1.2 | 18.6 | 46 | 69 | 71 | 22 | 0.7 | 0.6 | 6.3 | 22 | 29 | 31 | 10.5 | 59131 |
| | 50 | 3.7 | 0.6 | 20.5 | 55 | 80 | 84 | 24 | 0.5 | 0.9 | 7.0 | 23 | 32 | 31 | 12.1 | 59132 |
| | 60 | 3.2 | 0.1 | 18.1 | 54 | 75 | 74 | 21 | 0 | 0.9 | 5.7 | 18 | 24 | 22 | 10.5 | 59133 |
| | 70 | 3.2 | 0.3 | 22.0 | 61 | 86 | 90 | 25 | 0.6 | 0.3 | 6.7 | 20 | 27 | 32 | 11.4 | 59134 |
| 3 | 0 | 38.1 | 11.9 | 78.6 | 77 | 206 | 251 | 175 | 1.4 | 0.5 | 7.8 | 26 | 36 | 41 | 12.0 | 59135 |
| | 1 | 38.0 | 10.7 | 71.8 | 82 | 203 | 241 | 162 | 1.6 | 0.8 | 9.0 | 31 | 42 | 40 | 12.4 | 59136 |
| | 2 | 41.6 | 13.6 | 68.8 | 78 | 202 | 240 | 271 | 1.3 | 0.6 | 8.3 | 29 | 39 | 40 | 13.9 | 59137 |
| | 3 | 25.3 | 12.1 | 88.6 | 85 | 211 | 231 | 175 | 1.1 | 0.9 | 9.4 | 27 | 38 | 35 | 14.5 | 59138 |
| | 4 | 23.0 | 13.3 | 90.7 | 82 | 209 | 241 | 177 | 1.1 | 1.2 | 8.9 | 28 | 39 | 36 | 13.5 | 59139 |
| | 5 | 23.2 | 13.6 | 82.0 | 78 | 197 | 234 | 179 | 1.5 | 0.4 | 9.0 | 29 | 40 | 35 | 14.2 | 59140 |
| | 6 | 16.8 | 12.8 | 87.0 | 80 | 196 | 226 | 175 | 0.7 | 1.0 | 8.1 | 31 | 40 | 36 | 14.3 | 59141 |
| | 7 | 15.6 | 12.3 | 90.4 | 76 | 194 | 234 | 169 | 0.4 | 1.4 | 7.7 | 20 | 29 | 36 | 14.3 | 59142 |
| | 8 | 15.2 | 12.7 | 91.0 | 73 | 192 | 222 | 167 | 0.9 | 1.2 | 6.7 | 21 | 30 | 36 | 14.2 | 59143 |
| | 9 | 14.4 | 9.0 | 72.9 | 69 | 166 | 183 | 138 | 0.4 | 0.6 | 5.7 | 16 | 22 | 33 | 13.3 | 59144 |
| | 10 | 13.5 | 9.2 | 66.2 | 65 | 153 | 173 | 125 | 0.5 | 0.6 | 6.7 | 14 | 22 | 35 | 14.0 | 59145 |
| | 11 | 13.1 | 6.8 | 60.9 | 57 | 137 | 144 | 112 | 1.4 | 0.1 | 6.5 | 17 | 25 | 35 | 14.5 | 59146 |
| | 12 | 10.7 | 4.7 | 41.7 | 59 | 116 | 120 | 81 | 1.3 | 0.3 | 6.1 | 17 | 25 | 33 | 14.6 | 59147 |
| | 13 | 8.7 | 3.7 | 33.6 | 56 | 102 | 104 | 62 | 1.4 | 0.2 | 6.3 | 19 | 27 | 31 | 15.3 | 59148 |
| | 14 | 13.4 | 7.2 | 45.8 | 63 | 129 | 120 | 94 | 1.3 | 0.2 | 6.5 | 18 | 26 | 34 | 15.1 | 59149 |
| | 15 | 7.2 | 3.4 | 30.0 | 55 | 95 | 98 | 54 | 0.6 | 0 | 6.7 | 17 | 24 | 35 | 15.4 | 59150 |
| | 16 | 5.4 | 2.6 | 27.5 | 63 | 99 | 85 | 46 | 0.9 | 0.5 | 6.8 | 17 | 25 | 28 | 16.8 | 59151 |
| | 17 | 5.4 | 2.3 | 26.5 | 62 | 96 | 82 | 45 | 1.4 | 0.3 | 6.1 | 17 | 25 | 31 | 16.2 | 59152 |
| | 18 | 5.0 | 2.6 | 26.7 | 66 | 100 | 84 | 45 | 1.5 | 0.5 | 7.1 | 17 | 26 | 31 | 17.2 | 59153 |

| Core | Depth | $Zn_{WA}$ | $Zn_{HA}$ | $Zn_{HHA}$ | $Zn_{R}$ | $Zn_{SUM}$ | $Zn_{T}$ | $Zn_{H2O2}$ | $Ni_{WA}$ | $Ni_{HA}$ | $Ni_{HHA}$ | $Ni_{R}$ | $Ni_{SUM}$ | $Ni_{T}$ | $Ni_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 3 | 19 | 4.7 | 2.5 | 26.6 | 65 | 99 | 84 | 43 | 0.8 | 0.9 | 7.6 | 20 | 29 | 31 | 16.7 | 59154 |
| | 20 | 4.0 | 2.3 | 24.3 | 66 | 97 | 79 | 41 | 0.9 | 0.6 | 7.1 | 17 | 25 | 30 | 17.0 | 59155 |
| | 25 | 4.3 | 1.4 | 23.1 | 55 | 83 | 81 | 39 | 0.9 | 0.3 | 6.0 | 16 | 24 | 31 | 17.6 | 59156 |
| | 30 | 4.1 | 1.1 | 24.1 | 59 | 88 | 82 | 31 | 0.9 | 0.8 | 6.8 | 19 | 28 | 26 | 16.1 | 59157 |
| | 35 | 4.1 | 1.4 | 22.5 | 57 | 85 | 80 | 38 | 0.8 | 1.5 | 6.3 | 18 | 27 | 29 | 18.1 | 59158 |
| | 40 | 4.3 | 2.4 | 24.7 | 60 | 92 | 78 | 40 | 0.7 | 0.7 | 6.3 | 19 | 27 | 29 | 18.2 | 59159 |
| | 45 | 4.1 | 1.6 | 21.8 | 58 | 86 | 77 | 37 | 1.0 | 0.7 | 6.5 | 19 | 27 | 27 | 18.0 | 59160 |
| | 50 | 4.1 | 1.9 | 20.8 | 55 | 82 | 78 | 25 | 1.2 | 0.2 | 6.3 | 14 | 22 | 27 | 14.6 | 59161 |
| | 55 | 7.7 | 2.4 | 17.8 | 51 | 79 | 74 | 31 | 1.2 | 0.3 | 5.6 | 15 | 22 | 25 | 14.7 | 59162 |
| | 60 | 4.2 | 1.9 | 22.0 | 59 | 87 | 79 | 38 | 1.2 | 0 | 5.7 | 19 | 26 | 28 | 16.0 | 59163 |
| | 65 | 3.5 | 2.1 | 21.5 | 59 | 86 | 81 | 36 | 0.8 | 0.2 | 6.9 | 15 | 23 | 26 | 16.3 | 59164 |
| 7 | 0 | 87.4 | 19.5 | 79.0 | 79 | 265 | 300 | 242 | 2.5 | 0.5 | 9.6 | 23 | 35 | 38 | 10.7 | 59165 |
| | 1 | 40.0 | 16.2 | 95.9 | 77 | 230 | 250 | 199 | 2.3 | 0.2 | 9.3 | 25 | 37 | 30 | 10.5 | 59166 |
| | 2 | 39.1 | 16.8 | 94.1 | 81 | 231 | 250 | 198 | 2.2 | 0.1 | 8.6 | 22 | 33 | 33 | 11.1 | 59167 |
| | 3 | 47.8 | 12.8 | 74.6 | 74 | 210 | 209 | 171 | 2.1 | 0 | 9.2 | 23 | 34 | 35 | 11.1 | 59168 |
| | 4 | 31.8 | 11.7 | 100.6 | 79 | 223 | 228 | 165 | 2.1 | 0.7 | 9.9 | 28 | 41 | 32 | 11.3 | 59169 |
| | 5 | 33.8 | 10.9 | 87.7 | 80 | 213 | 231 | 159 | 1.7 | 0.3 | 9.2 | 33 | 44 | 33 | 12.7 | 59170 |
| | 6 | 30.3 | 9.9 | 87.2 | 85 | 213 | 212 | 153 | 1.2 | 0.3 | 9.9 | 30 | 41 | 33 | 12.6 | 59171 |
| | 7 | 23.8 | 12.1 | 94.2 | 80 | 210 | 197 | 147 | 1.8 | 0.1 | 9.5 | 26 | 37 | 37 | 13.5 | 59172 |
| | 8 | 16.9 | 75.7 | 61.8 | 80 | 234 | 227 | 172 | 0.7 | 0.8 | 8.1 | 31 | 41 | 33 | 14.6 | 59173 |
| | 9 | 12.4 | 78.5 | 66.8 | 84 | 242 | 239 | 182 | 1.1 | 0.7 | 8.1 | 22 | 32 | 34 | 15.1 | 59174 |
| | 10 | 8.9 | 74.7 | 63.9 | 84 | 231 | 229 | 177 | 1.0 | 0.9 | 7.5 | 26 | 35 | 29 | 14.1 | 59175 |
| | 11 | 9.2 | 82.7 | 69.4 | 81 | 242 | 217 | 193 | 1.1 | 1.3 | 6.6 | 24 | 33 | 29 | 14.0 | 59176 |
| | 12 | 8.8 | 67.7 | 71.2 | 84 | 232 | 224 | 178 | 0.6 | 1.0 | 6.3 | 17 | 25 | 30 | 12.7 | 59177 |
| | 13 | 8.1 | 75.2 | 72.6 | 86 | 242 | 228 | 177 | 0.8 | 0.6 | 7.4 | 20 | 29 | 24 | 11.4 | 59178 |
| 8 | 0 | 7.3 | 29.6 | 125.6 | 96 | 258 | 362 | 271 | 1.4 | 1.2 | 11.3 | 11 | 25 | 33 | 12.6 | 59179 |
| | 1 | 8.5 | 54.2 | 124.5 | 120 | 307 | 369 | 271 | 1.9 | 2.4 | 14.0 | 23 | 41 | 39 | 15.4 | 59180 |
| | 2 | 7.6 | 60.6 | 130.5 | 108 | 307 | 386 | 271 | 1.5 | 2.3 | 13.0 | 25 | 41 | 40 | 15.9 | 59181 |
| | 3 | 5.1 | 35.9 | 128.7 | 112 | 282 | 377 | 271 | 1.6 | 2.1 | 13.4 | 21 | 38 | 45 | 16.6 | 59182 |
| | 4 | 9.4 | 60.2 | 136.1 | 111 | 316 | 390 | 260 | 1.8 | 2.3 | 12.6 | 24 | 41 | 40 | 17.5 | 59183 |
| 9 | 0 | 10.6 | 14.5 | 123.4 | 100 | 249 | 383 | 234 | 1.6 | 0.8 | 9.1 | 25 | 37 | 28 | 11.2 | 59184 |
| | 1 | 7.9 | 22.0 | 124.3 | 105 | 260 | 335 | 235 | 1.4 | 0.8 | 9.8 | 23 | 35 | 37 | 14.1 | 59185 |
| | 2 | 4.5 | 27.4 | 128.5 | 111 | 271 | 349 | 240 | 2.1 | 1.6 | 10.2 | 26 | 40 | 40 | 14.9 | 59186 |
| | 3 | 6.3 | 32.9 | 114.5 | 96 | 250 | 316 | 200 | 1.9 | 1.7 | 9.7 | 22 | 35 | 51 | 13.6 | 59187 |
| | 4 | 6.7 | 24.2 | 122.2 | 115 | 268 | 372 | 233 | 2.0 | 1.9 | 11.0 | 20 | 35 | 42 | 14.7 | 59188 |
| | 5 | 5.7 | 23.8 | 118.1 | 111 | 259 | 257 | 248 | 1.5 | 1.5 | 11.1 | 19 | 34 | 55 | 14.0 | 59189 |
| | 6 | 4.3 | 17.1 | 110.2 | 78 | 209 | 333 | 217 | 1.6 | 1.3 | 8.8 | 36 | 48 | 38 | 13.1 | 59190 |
| 10 | 0 | 73.1 | 487.3 | 125.4 | 155 | 841 | 668 | 1293 | 3.4 | 4.1 | 19.4 | 40 | 67 | 75 | 35.2 | 59195 |
| | 1 | 60.4 | 333.4 | 115.1 | 118 | 627 | 657 | 998 | 6.5 | 6.5 | 26.6 | 61 | 101 | 97 | 56.7 | 59196 |
| | 2 | 71.5 | 305.2 | 122.9 | 107 | 607 | 612 | 833 | 4.8 | 5.5 | 23.2 | 50 | 84 | 91 | 47.7 | 59197 |
| | 3 | 54.4 | 235.9 | 118.8 | 118 | 527 | 605 | 670 | 3.4 | 5.0 | 16.3 | 44 | 68 | 76 | 36.8 | 59198 |
| | 4 | 42.1 | 206.6 | 117.9 | 117 | 483 | 602 | 649 | 2.3 | 3.0 | 12.4 | 38 | 55 | 52 | 25.0 | 59199 |
| | 5 | 54.0 | 141.1 | 108.0 | 91 | 394 | 440 | 367 | 3.2 | 5.0 | 20.5 | 41 | 69 | 78 | 38.8 | 59200 |
| | 6 | 36.5 | 135.0 | 110.2 | 120 | 401 | 430 | 345 | 2.8 | 4.0 | 16.2 | 33 | 56 | 63 | 30.7 | 59201 |
| 12 | 0 | 26.0 | 131.8 | 117.6 | 169 | 444 | 480 | 377 | 2.3 | 1.7 | 9.2 | 22 | 35 | 35 | 15.2 | 59202 |
| | 1 | 37.9 | 133.8 | 117.0 | 178 | 467 | 476 | 446 | 1.8 | 2.1 | 8.8 | 18 | 30 | 35 | 14.7 | 59203 |
| | 2 | 27.4 | 140.6 | 113.4 | 186 | 467 | 514 | 410 | 1.8 | 1.4 | 8.6 | 21 | 33 | 37 | 14.0 | 59204 |
| | 3 | 26.2 | 146.2 | 117.3 | 178 | 467 | 490 | 435 | 1.8 | 1.9 | 9.1 | 22 | 35 | 42 | 16.2 | 59205 |
| | 4 | 22.2 | 150.5 | 120.6 | 137 | 430 | 503 | 403 | 1.9 | 2.2 | 10.1 | 35 | 49 | 41 | 19.3 | 59206 |

| Core | Depth | $Zn_{WA}$ | $Zn_{HA}$ | $Zn_{HHA}$ | $Zn_{R}$ | $Zn_{SUM}$ | $Zn_{T}$ | $Zn_{H2O2}$ | $Ni_{WA}$ | $Ni_{HA}$ | $Ni_{HHA}$ | $Ni_{R}$ | $Ni_{SUM}$ | $Ni_{T}$ | $Ni_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 12 | 5 | 11.8 | 119.7 | 115.6 | 129 | 376 | 440 | 386 | 1.1 | 2.6 | 10.7 | 40 | 54 | 43 | 19.0 | 59207 |
| | 6 | 9.0 | 105.9 | 129.5 | 128 | 372 | 446 | 401 | 1.5 | 2.4 | 11.2 | 36 | 51 | 44 | 19.6 | 59208 |
| | 7 | 11.1 | 101.5 | 122.8 | 106 | 341 | 453 | 384 | 1.1 | 2.0 | 10.9 | 31 | 45 | 42 | 18.0 | 59209 |
| | 8 | 9.3 | 93.9 | 130.8 | 168 | 402 | 449 | 365 | 1.2 | 2.4 | 11.4 | 38 | 53 | 44 | 17.5 | 59210 |
| | 9 | 11.3 | 106.8 | 119.8 | 137 | 375 | 437 | 354 | 1.5 | 2.3 | 9.8 | 33 | 47 | 40 | 18.8 | 59211 |
| | 10 | 11.3 | 117.0 | 119.7 | 137 | 385 | 426 | 365 | 1.1 | 1.7 | 10.2 | 30 | 43 | 44 | 17.4 | 59212 |
| 16 | 0 | 10.4 | 61.3 | 63.3 | 83 | 218 | 245 | 162 | 2.4 | 1.5 | 9.1 | 32 | 45 | 35 | 12.5 | 59226 |
| | 1 | 12.9 | 76.0 | 54.3 | 79 | 223 | 220 | 162 | 1.6 | 1.5 | 8.6 | 27 | 39 | 30 | 12.3 | 59227 |
| | 2 | 11.6 | 59.7 | 65.8 | 76 | 213 | 227 | 160 | 2.0 | 2.0 | 7.8 | 31 | 43 | 34 | 12.9 | 59228 |
| | 3 | 10.9 | 73.4 | 76.0 | 82 | 242 | 231 | 183 | 2.1 | 1.8 | 8.9 | 28 | 41 | 36 | 14.2 | 59229 |
| | 4 | 10.5 | 64.2 | 66.8 | 79 | 221 | 224 | 177 | 2.1 | 2.4 | 10.7 | 30 | 46 | 37 | 15.9 | 59230 |
| | 5 | 11.2 | 66.9 | 69.8 | 78 | 226 | 227 | 184 | 1.9 | 2.2 | 10.6 | 33 | 47 | 39 | 17.1 | 59231 |
| | 6 | 12.1 | 62.4 | 79.0 | 76 | 230 | 247 | 190 | 1.4 | 1.9 | 10.8 | 37 | 51 | 38 | 17.2 | 59232 |
| | 7 | 11.8 | 67.1 | 75.4 | 90 | 244 | 243 | 192 | 2.4 | 2.6 | 11.0 | 32 | 48 | 53 | 17.7 | 59233 |
| | 8 | 18.4 | 59.6 | 60.4 | 99 | 237 | 248 | 196 | 2.0 | 2.3 | 9.9 | 39 | 53 | 49 | 16.1 | 59234 |
| | 9 | 18.6 | 59.9 | 60.9 | 101 | 241 | 237 | 196 | 1.3 | 2.1 | 9.5 | 32 | 45 | 43 | 14.6 | 59235 |
| | 10 | 18.8 | 49.0 | 56.9 | 96 | 220 | 242 | 182 | 1.6 | 2.1 | 8.2 | 32 | 44 | 38 | 14.4 | 59236 |
| | 11 | 11.3 | 51.6 | 66.6 | 87 | 217 | 222 | 155 | 1.2 | 1.5 | 7.2 | 33 | 43 | 38 | 12.7 | 59237 |
| | 12 | 5.7 | 52.0 | 42.9 | 85 | 185 | 190 | 126 | 1.8 | 1.7 | 7.8 | 34 | 45 | 31 | 12.2 | 59238 |
| | 13 | 8.1 | 48.3 | 37.4 | 83 | 177 | 193 | 122 | 1.5 | 2.0 | 7.6 | 23 | 34 | 35 | 11.8 | 59239 |
| | 14 | 5.2 | 37.6 | 48.7 | 75 | 166 | 182 | 120 | 1.2 | 1.3 | 7.5 | 24 | 34 | 30 | 11.1 | 59240 |
| | 15 | 6.1 | 62.6 | 50.0 | 124 | 243 | 198 | 137 | 1.4 | 1.4 | 7.5 | 32 | 42 | 35 | 12.1 | 59241 |
| | 20 | 6.0 | 57.1 | 60.0 | 98 | 221 | 155 | 177 | 0.6 | 1.6 | 7.6 | 25 | 34 | 24 | 10.6 | 59242 |
| | 25 | 4.4 | 46.0 | 65.9 | 96 | 213 | 272 | 138 | 0.7 | 1.4 | 7.1 | 27 | 36 | 28 | 11.7 | 59243 |
| | 30 | 4.7 | 28.5 | 26.4 | 67 | 127 | 121 | 72 | 1.4 | 1.7 | 6.9 | 16 | 26 | 26 | 10.3 | 59244 |
| | 35 | 3.4 | 28.3 | 27.7 | 68 | 127 | 99 | 57 | 1.0 | 1.4 | 6.5 | 2 | 11 | 26 | 10.2 | 59245 |
| | 40 | 9.6 | 10.1 | 15.6 | 63 | 99 | 92 | 41 | 1.7 | 1.6 | 7.0 | 8 | 18 | 24 | 9.4 | 59246 |
| | 45 | 7.4 | 5.5 | 14.6 | 58 | 85 | 75 | 32 | 1.1 | 1.6 | 7.4 | 3 | 13 | 28 | 10.4 | 59247 |
| 18 | 0 | 9.8 | 54.6 | 67.2 | 79 | 211 | 222 | 161 | 1.2 | 1.7 | 9.9 | 31 | 43 | 38 | 11.4 | 59213 |
| | 1 | 7.1 | 52.7 | 82.9 | 86 | 229 | 218 | 161 | 1.1 | 1.6 | 9.9 | 33 | 45 | 40 | 12.0 | 59214 |
| | 2 | 5.8 | 47.8 | 85.8 | 87 | 227 | 231 | 155 | 1.0 | 1.8 | 8.8 | 18 | 29 | 35 | 12.2 | 59215 |
| | 3 | 5.3 | 49.7 | 83.7 | 89 | 228 | 227 | 156 | 0.8 | 1.9 | 8.8 | 16 | 28 | 34 | 11.7 | 59216 |
| | 4 | 5.3 | 52.8 | 87.3 | 83 | 229 | 247 | 161 | 1.3 | 2.2 | 9.3 | 20 | 33 | 32 | 11.7 | 59217 |
| | 5 | 4.8 | 49.1 | 88.9 | 87 | 230 | 220 | 163 | 0.9 | 2.0 | 8.2 | 15 | 26 | 34 | 12.0 | 59218 |
| | 6 | 6.2 | 52.1 | 92.6 | 82 | 233 | 237 | 161 | 1.6 | 2.5 | 10.1 | 21 | 35 | 37 | 13.0 | 59219 |
| | 7 | 5.5 | 49.2 | 90.5 | 84 | 229 | 243 | 160 | 0.8 | 2.4 | 10.8 | 25 | 39 | 39 | 14.0 | 59220 |
| | 8 | 7.8 | 59.2 | 78.2 | 76 | 221 | 238 | 171 | 3.1 | 2.6 | 10.5 | 24 | 40 | 44 | 14.7 | 59221 |
| | 9 | 11.6 | 67.6 | 68.7 | 80 | 228 | 240 | 176 | 3.0 | 2.2 | 11.2 | 25 | 41 | 42 | 15.3 | 59222 |
| | 10 | 7.3 | 56.3 | 73.2 | 76 | 213 | 241 | 160 | 2.6 | 2.4 | 10.4 | 27 | 42 | 39 | 15.8 | 59223 |
| | 11 | 6.9 | 60.1 | 79.2 | 88 | 234 | 243 | 168 | 2.6 | 1.9 | 11.2 | 36 | 51 | 43 | 15.0 | 59224 |
| | 12 | 8.4 | 72.4 | 76.3 | 86 | 243 | 242 | 171 | 2.4 | 2.3 | 9.7 | 29 | 44 | 39 | 13.9 | 59225 |
| 19 | 0 | 58.4 | 11.2 | 28.4 | 88 | 186 | 209 | 116 | 2.9 | 1.1 | 6.2 | 3 | 13 | 19 | 9.6 | 59248 |
| | 1 | 15.1 | 16.8 | 115.6 | 121 | 268 | 247 | 319 | 0.5 | 0.2 | 6.8 | 5 | 13 | 20 | 13.5 | 59249 |
| | 2 | 35.6 | 17.1 | 110.6 | 109 | 272 | 273 | 203 | 1.0 | 0.8 | 7.0 | 4 | 12 | 24 | 13.2 | 59250 |
| | 3 | 22.2 | 16.1 | 111.7 | 83 | 233 | 193 | 180 | 0.5 | 0.2 | 6.0 | 15 | 21 | 26 | 15.2 | 59251 |
| | 4 | 15.4 | 13.8 | 101.3 | 80 | 211 | 209 | 158 | 0.3 | 0.2 | 5.8 | 17 | 24 | 17 | 12.8 | 59252 |
| | 5 | 18.2 | 12.4 | 80.0 | 70 | 181 | 200 | 160 | 0.2 | 0.8 | 5.7 | 15 | 22 | 18 | 16.0 | 59253 |
| | 6 | 19.1 | 11.7 | 66.8 | 74 | 172 | 255 | 161 | 0.9 | 0 | 5.2 | 12 | 18 | 17 | 14.6 | 59254 |
| | 7 | 18.0 | 11.5 | 68.6 | 67 | 165 | 231 | 203 | 0.7 | 0.2 | 5.1 | 11 | 17 | 15 | 14.3 | 59255 |
| | 8 | 32.4 | 18.6 | 103.6 | 98 | 253 | 262 | 199 | 0.3 | 0.4 | 6.4 | 17 | 24 | 16 | 13.4 | 59256 |
| | 9 | 25.0 | 11.8 | 62.9 | 59 | 159 | 222 | 211 | 1.4 | 0.1 | 6.3 | 17 | 25 | 27 | 14.6 | 59257 |

| Core | Depth | $Zn_{WA}$ | $Zn_{HA}$ | $Zn_{HHA}$ | $Zn_{R}$ | $Zn_{SUM}$ | $Zn_{T}$ | $Zn_{H2O2}$ | $Ni_{WA}$ | $Ni_{HA}$ | $Ni_{HHA}$ | $Ni_{R}$ | $Ni_{SUM}$ | $Ni_{T}$ | $Ni_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 19 | 10 | 14.2 | 6.0 | 30.8 | 60 | 111 | 119 | 116 | 0.2 | 0.3 | 6.4 | 18 | 25 | 27 | 16.9 | 59258 |
| | 11 | 13.0 | 7.7 | 52.7 | 67 | 141 | 171 | 112 | 0.2 | 0 | 6.2 | 17 | 24 | 22 | 14.0 | 59259 |
| | 12 | 12.3 | 5.0 | 28.8 | 62 | 108 | 120 | 34 | 0.3 | 0 | 5.8 | 21 | 27 | 27 | 14.2 | 59260 |
| | 13 | 3.4 | 2.3 | 17.8 | 54 | 77 | 79 | 35 | 0.9 | 0 | 6.5 | 16 | 23 | 23 | 14.6 | 59261 |
| | 14 | 3.7 | 1.8 | 17.1 | 57 | 79 | 86 | 36 | 0.7 | 0 | 6.8 | 17 | 25 | 29 | 14.3 | 59262 |
| | 15 | 5.5 | 3.8 | 24.7 | 66 | 100 | 90 | 39 | 0.6 | 0.2 | 6.0 | 12 | 19 | 21 | 13.2 | 59263 |
| | 20 | 3.0 | 1.5 | 16.6 | 57 | 79 | 131 | 45 | 0 | 0.4 | 6.9 | 18 | 25 | 29 | 14.5 | 59264 |
| | 25 | 23.6 | 11.1 | 72.1 | 79 | 186 | 215 | 131 | 0.9 | 0.1 | 6.9 | 22 | 30 | 28 | 16.3 | 59265 |
| | 30 | 37.4 | 17.4 | 112.9 | 125 | 293 | 385 | 256 | 0.9 | 0.7 | 7.0 | 24 | 33 | 32 | 16.1 | 59266 |
| | 35 | 27.7 | 13.0 | 89.9 | 93 | 224 | 287 | 192 | 1.1 | 0.7 | 8.0 | 21 | 31 | 34 | 15.3 | 59267 |
| | 40 | 5.0 | 1.8 | 20.1 | 65 | 92 | 151 | 47 | 0.9 | 0.3 | 7.5 | 22 | 31 | 27 | 18.3 | 59268 |
| 20 | 0 | 10.8 | 12.5 | 62.7 | 70 | 156 | 186 | 119 | 2.4 | 0.4 | 7.1 | 17 | 27 | 19 | 9.2 | 46701 |
| | 1 | 13.7 | 11.6 | 61.8 | 65 | 152 | 180 | 112 | 2.4 | 0 | 6.6 | 19 | 28 | 23 | 9.2 | 46702 |
| | 2 | 17.4 | 11.7 | 58.1 | 73 | 161 | 151 | 109 | 2.3 | 0 | 6.7 | 21 | 30 | 19 | 9.7 | 46703 |
| | 3 | 15.7 | 13.9 | 38.8 | 94 | 162 | 150 | 112 | 2.4 | 0 | 3.4 | 24 | 30 | 25 | 10.7 | 46704 |
| | 4 | 15.5 | 10.7 | 38.2 | 90 | 154 | 134 | 107 | 2.2 | 0 | 3.6 | 27 | 33 | 23 | 9.6 | 46705 |
| | 5 | 15.0 | 11.7 | 36.0 | 88 | 151 | 126 | 95 | 2.2 | 0 | 3.3 | 23 | 29 | 25 | 9.4 | 46706 |
| | 6 | 15.9 | 9.3 | 36.4 | 85 | 147 | 120 | 100 | 2.0 | 0 | 3.8 | 24 | 30 | 24 | 8.3 | 46707 |
| | 7 | 15.8 | 10.1 | 33.5 | 87 | 146 | 177 | 98 | 2.4 | 0 | 3.8 | 20 | 26 | 23 | 9.0 | 46708 |
| | 8 | 14.1 | 10.3 | 32.4 | 88 | 145 | 188 | 93 | 2.6 | 0 | 2.9 | 24 | 29 | 23 | 9.1 | 46709 |
| | 9 | 18.8 | 11.0 | 36.1 | 90 | 155 | 173 | 101 | 1.4 | 0.6 | 4.8 | 22 | 29 | 21 | 10.4 | 46710 |
| | 10 | 16.3 | 11.0 | 32.2 | 79 | 139 | 150 | 82 | 1.7 | 0.8 | 4.0 | 21 | 27 | 17 | 9.0 | 46711 |
| 23 | 0 | 15.1 | 6.7 | 35.6 | 54 | 111 | 143 | 7 | 2.1 | 0.7 | 6.0 | 15 | 23 | 18 | 2.2 | 46712 |
| | 1 | 11.4 | 7.8 | 43.8 | 51 | 114 | 137 | 41 | 2.4 | 0.7 | 7.0 | 15 | 25 | 18 | 5.6 | 46713 |
| | 2 | 12.5 | 7.1 | 42.2 | 57 | 118 | 128 | 31 | 2.6 | 0.7 | 6.8 | 15 | 25 | 23 | 4.8 | 46714 |
| | 3 | 9.4 | 7.0 | 43.5 | 59 | 119 | 138 | 36 | 2.1 | 0.8 | 6.5 | 11 | 21 | 25 | 5.7 | 46715 |
| | 4 | 7.7 | 6.5 | 40.6 | 54 | 109 | 133 | 24 | 2.0 | 0.7 | 7.0 | 16 | 26 | 15 | 4.3 | 46716 |
| | 5 | 7.3 | 6.5 | 40.9 | 56 | 111 | 127 | 12 | 1.8 | 0.3 | 7.5 | 18 | 28 | 19 | 2.7 | 46717 |
| | 6 | 8.4 | 6.1 | 32.7 | 54 | 102 | 105 | 8 | 2.0 | 0.6 | 6.8 | 19 | 28 | 16 | 2.4 | 46718 |
| | 7 | 7.9 | 7.1 | 43.7 | 51 | 110 | 122 | 29 | 2.1 | 0 | 6.9 | 16 | 25 | 24 | 5.1 | 46719 |
| | 8 | 7.3 | 7.7 | 44.1 | 59 | 118 | 119 | 38 | 2.1 | 0.3 | 7.6 | 18 | 28 | 18 | 6.1 | 46720 |
| | 9 | 6.6 | 6.5 | 44.1 | 59 | 116 | 119 | 32 | 2.0 | 0.5 | 7.3 | 13 | 23 | 23 | 4.9 | 46721 |
| 24 | 0 | 19.3 | 16.3 | 112.4 | 88 | 236 | 240 | 190 | 1.9 | 0.3 | 7.7 | 24 | 34 | 24 | 11.9 | 46724 |
| | 5 | 15.0 | 17.3 | 122.7 | 102 | 257 | 274 | 216 | 1.3 | 0.2 | 7.0 | 23 | 32 | 27 | 13.0 | 46725 |
| | 10 | 14.2 | 9.9 | 74.7 | 94 | 193 | 218 | 163 | 0.6 | 0 | 6.7 | 25 | 32 | 21 | 11.9 | 46726 |
| | 15 | 6.6 | 3.5 | 26.2 | 68 | 104 | 123 | 62 | 0.9 | 0 | 5.7 | 16 | 23 | 13 | 11.6 | 46727 |
| | 20 | 3.7 | 1.8 | 16.2 | 63 | 85 | 93 | 37 | 0.9 | 0.5 | 5.1 | 22 | 28 | 16 | 12.9 | 46728 |
| | 25 | 2.8 | 1.5 | 15.6 | 63 | 83 | 91 | 31 | 0.7 | 0.2 | 5.2 | 19 | 25 | 20 | 14.0 | 46729 |
| | 30 | 2.9 | 1.5 | 14.4 | 63 | 82 | 85 | 30 | 0.8 | 0.1 | 5.7 | 21 | 28 | 19 | 13.9 | 46730 |
| | 35 | 2.7 | 1.6 | 14.9 | 62 | 81 | 91 | 18 | 1.2 | 0 | 6.2 | 22 | 29 | 20 | 13.0 | 46731 |
| | 40 | 2.5 | 1.4 | 14.7 | 60 | 79 | 93 | 31 | 0.4 | 0.3 | 5.3 | 24 | 30 | 25 | 15.8 | 46732 |
| | 45 | 2.6 | 1.7 | 14.8 | 58 | 77 | 89 | 32 | 0.5 | 0 | 5.8 | 23 | 29 | 22 | 15.8 | 46733 |
| | 50 | 2.6 | 1.7 | 15.4 | 63 | 82 | 88 | 32 | 0.6 | 0.5 | 6.5 | 25 | 32 | 22 | 15.1 | 46734 |
| | 55 | 3.2 | 1.4 | 13.7 | 58 | 77 | 75 | 28 | 0.9 | 0 | 6.4 | 20 | 27 | 24 | 13.8 | 46735 |
| | 60 | 3.2 | 1.6 | 13.2 | 55 | 73 | 82 | 25 | 1.1 | 0.2 | 5.6 | 20 | 27 | 27 | 11.7 | 46736 |
| | 65 | 2.5 | 1.4 | 14.8 | 57 | 76 | 76 | 21 | 0.6 | 0.4 | 4.6 | 22 | 27 | 26 | 12.6 | 46737 |
| | 70 | 2.3 | 1.4 | 14.1 | 61 | 79 | 79 | 28 | 0.6 | 0.1 | 5.9 | 20 | 27 | 27 | 14.7 | 46738 |
| | 75 | 2.5 | 1.2 | 13.2 | 57 | 74 | 82 | 29 | 0.3 | 0.3 | 4.9 | 19 | 24 | 26 | 15.4 | 46739 |
| | 80 | 3.1 | 1.3 | 13.1 | 53 | 70 | 71 | 26 | 0.3 | 0.3 | 5.0 | 18 | 24 | 26 | 14.3 | 46740 |

| Core | Depth | $Cr_{WA}$ | $Cr_{HA}$ | $Cr_{HHA}$ | $Cr_{R}$ | $Cr_{SUM}$ | $Cr_{T}$ | $Cr_{H2O2}$ | $Pb_{WA}$ | $Pb_{HA}$ | $Pb_{HHA}$ | $Pb_{R}$ | $Pb_{SUM}$ | $Pb_{T}$ | $Pb_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 1 | 0 | 3.7 | 2.1 | 7.1 | 64 | 77 | 89 | 21.1 | 0 | 2.5 | 82.8 | 71 | 157 | 176 | 3.6 | 59101 |
| | 1 | 3.4 | 1.7 | 5.5 | 55 | 66 | 62 | 17.3 | 0.5 | 0 | 71.6 | 85 | 157 | 148 | 2.2 | 59102 |
| | 2 | 2.4 | 0 | 5.4 | 59 | 66 | 76 | 11.9 | 2.9 | 0.1 | 61.3 | 33 | 97 | 153 | 0 | 59103 |
| | 3 | 2.4 | 0.7 | 4.4 | 32 | 39 | 82 | 7.6 | 4.8 | 0 | 41.2 | 7 | 53 | 174 | 1.9 | 59104 |
| | 4 | 2.6 | 0.5 | 4.8 | 27 | 35 | 105 | 9.7 | 12.9 | 1.5 | 30.8 | 0 | 45 | 202 | 4.5 | 59105 |
| | 5 | 2.7 | 0.2 | 4.7 | 65 | 72 | 106 | 12.8 | 15.8 | 1.7 | 36.9 | 0 | 54 | 177 | 5.6 | 59106 |
| | 6 | 3.5 | 0 | 6.8 | 80 | 90 | 97 | 18.5 | 40.7 | 12.7 | 65.0 | 18 | 136 | 212 | 13.4 | 59107 |
| | 7 | 3.8 | 1.1 | 5.4 | 72 | 82 | 67 | 12.8 | 50.5 | 26.7 | 143.2 | 36 | 256 | 144 | 5.0 | 59108 |
| | 8 | 4.0 | 0 | 5.4 | 77 | 86 | 68 | 12.3 | 45.1 | 14.6 | 60.2 | 14 | 134 | 127 | 3.9 | 59109 |
| | 9 | 3.6 | 0.6 | 5.8 | 78 | 88 | 80 | 16.6 | 52.8 | 15.5 | 82.7 | 20 | 171 | 184 | 16.3 | 59110 |
| | 10 | 2.6 | 0.3 | 6.9 | 77 | 87 | 74 | 19.2 | 48.0 | 15.3 | 70.9 | 14 | 148 | 232 | 11.1 | 59111 |
| | 11 | 3.7 | 0 | 5.6 | 57 | 67 | 67 | 13.4 | 50.4 | 10.5 | 65.9 | 10 | 136 | 207 | 3.4 | 59112 |
| | 12 | 3.2 | 0.1 | 5.8 | 82 | 91 | 81 | 19.7 | 51.5 | 13.6 | 78.0 | 22 | 166 | 254 | 4.4 | 59113 |
| | 13 | 3.2 | 0 | 5.4 | 80 | 88 | 70 | 20.8 | 47.2 | 9.7 | 84.9 | 25 | 167 | 213 | 59.9 | 59114 |
| | 14 | 2.0 | 0 | 6.5 | 91 | 100 | 109 | 18.2 | 53.9 | 11.4 | 68.6 | 10 | 144 | 208 | 4.4 | 59115 |
| | 15 | 3.6 | 0.2 | 5.6 | 91 | 100 | 111 | 19.5 | 42.6 | 10.9 | 74.8 | 8 | 136 | 179 | 60.1 | 59116 |
| | 16 | 2.6 | 0 | 4.6 | 82 | 90 | 106 | 19.7 | 42.0 | 14.6 | 61.5 | 12 | 130 | 156 | 59.8 | 59117 |
| | 17 | 1.4 | 0 | 4.7 | 75 | 81 | 110 | 14.5 | 36.5 | 7.5 | 56.2 | 3 | 104 | 141 | 49.8 | 59118 |
| | 18 | 3.0 | 0 | 6.6 | 87 | 96 | 107 | 16.7 | 33.5 | 12.6 | 56.7 | 2 | 105 | 144 | 31.4 | 59119 |
| | 19 | 3.1 | 0 | 6.1 | 95 | 104 | 115 | 18.2 | 26.3 | 9.9 | 47.5 | 3 | 87 | 122 | 45.0 | 59120 |
| | 20 | 2.7 | 0 | 6.4 | 80 | 89 | 103 | 15.8 | 21.1 | 7.7 | 39.9 | 0 | 69 | 66 | 3.0 | 59121 |
| | 21 | 3.5 | 0 | 6.8 | 98 | 109 | 112 | 17.1 | 17.0 | 7.1 | 36.4 | 0 | 61 | 69 | 27.6 | 59122 |
| | 22 | 2.5 | 0 | 6.4 | 93 | 102 | 113 | 18.6 | 9.1 | 3.5 | 21.2 | 0 | 34 | 25 | 18.2 | 59123 |
| | 23 | 3.0 | 0 | 6.7 | 73 | 83 | 87 | 14.9 | 4.8 | 2.2 | 13.3 | 0 | 20 | 14 | 16.5 | 59124 |
| | 24 | 1.9 | 0 | 7.3 | 81 | 91 | 98 | 17.8 | 3.5 | 2.8 | 11.7 | 0 | 18 | 0 | 10.2 | 59125 |
| | 25 | 2.6 | 0 | 6.6 | 74 | 83 | 93 | 22.3 | 3.2 | 2.1 | 10.8 | 0 | 16 | 0 | 0 | 59126 |
| | 26 | 2.4 | 0 | 6.4 | 65 | 74 | 76 | 19.3 | 3.4 | 2.2 | 9.1 | 0 | 15 | 0 | 4.1 | 59127 |
| | 27 | 3.1 | 0.7 | 6.7 | 59 | 69 | 69 | 16.2 | 3.8 | 1.2 | 7.9 | 0 | 13 | 2 | 0.2 | 59128 |
| | 28 | 3.3 | 1.0 | 6.7 | 66 | 77 | 89 | 20.6 | 3.6 | 1.2 | 9.1 | 0 | 14 | 4 | 1.3 | 59129 |
| | 29 | 2.8 | 0.3 | 6.8 | 57 | 67 | 79 | 17.0 | 2.8 | 1.5 | 7.6 | 0 | 12 | 8 | 4.2 | 59130 |
| | 40 | 1.7 | 0.3 | 5.7 | 59 | 67 | 75 | 15.7 | 2.3 | 1.6 | 3.7 | 0 | 8 | 0 | 0 | 59131 |
| | 50 | 2.6 | 1.1 | 6.2 | 71 | 81 | 90 | 18.1 | 1.0 | 0 | 2.7 | 0 | 4 | 0 | 3.3 | 59132 |
| | 60 | 2.3 | 0.3 | 5.6 | 64 | 72 | 97 | 15.1 | 1.7 | 0.1 | 3.0 | 0 | 5 | 0 | 1.4 | 59133 |
| | 70 | 2.0 | 0 | 6.3 | 70 | 79 | 106 | 17.7 | 0.7 | 0.1 | 3.7 | 0 | 5 | 0 | 3.4 | 59134 |
| 3 | 0 | 3.6 | 0.1 | 6.0 | 83 | 93 | 120 | 13.4 | 23.8 | 12.1 | 48.1 | 5 | 89 | 101 | 0.6 | 59135 |
| | 1 | 4.1 | 0 | 5.3 | 81 | 91 | 112 | 13.0 | 24.8 | 12.5 | 44.7 | 2 | 84 | 106 | 3.4 | 59136 |
| | 2 | 2.1 | 0.5 | 6.1 | 75 | 84 | 111 | 15.4 | 28.7 | 13.4 | 49.8 | 5 | 97 | 123 | 0 | 59137 |
| | 3 | 2.9 | 0 | 5.5 | 80 | 89 | 107 | 14.7 | 18.3 | 9.5 | 59.9 | 7 | 95 | 107 | 0 | 59138 |
| | 4 | 2.5 | 0 | 6.1 | 74 | 83 | 111 | 15.2 | 15.7 | 7.9 | 75.4 | 13 | 112 | 129 | 0 | 59139 |
| | 5 | 2.1 | 0.2 | 5.3 | 70 | 77 | 109 | 15.0 | 17.2 | 9.0 | 71.1 | 9 | 106 | 136 | 0 | 59140 |
| | 6 | 0.9 | 0.4 | 8.5 | 73 | 83 | 98 | 17.4 | 11.8 | 7.1 | 85.8 | 19 | 124 | 152 | 42.6 | 59141 |
| | 7 | 1.8 | 0.6 | 9.0 | 66 | 77 | 91 | 19.5 | 11.4 | 6.7 | 102.7 | 22 | 143 | 168 | 66.6 | 59142 |
| | 8 | 1.9 | 0.1 | 8.0 | 66 | 76 | 94 | 19.5 | 11.2 | 6.3 | 95.3 | 15 | 127 | 167 | 68.1 | 59143 |
| | 9 | 1.3 | 0 | 7.1 | 65 | 74 | 76 | 17.2 | 12.4 | 5.7 | 88.1 | 17 | 124 | 155 | 67.4 | 59144 |
| | 10 | 1.0 | 0 | 7.2 | 66 | 74 | 78 | 18.6 | 10.8 | 5.7 | 74.6 | 20 | 111 | 152 | 65.0 | 59145 |
| | 11 | 1.4 | 0.5 | 6.2 | 58 | 66 | 69 | 20.4 | 8.8 | 5.3 | 62.4 | 7 | 84 | 117 | 61.6 | 59146 |
| | 12 | 1.3 | 0 | 5.6 | 63 | 70 | 69 | 20.6 | 6.7 | 2.4 | 41.9 | 0 | 51 | 87 | 44.8 | 59147 |
| | 13 | 0.1 | 0.3 | 5.1 | 71 | 76 | 75 | 21.8 | 4.3 | 2.7 | 30.4 | 0 | 37 | 74 | 33.5 | 59148 |
| | 14 | 1.0 | 0 | 6.9 | 75 | 83 | 76 | 20.2 | 7.6 | 3.5 | 42.0 | 0 | 53 | 77 | 45.0 | 59149 |
| | 15 | 1.1 | 0.3 | 6.5 | 68 | 76 | 69 | 24.3 | 1.5 | 1.4 | 21.2 | 0 | 24 | 56 | 27.9 | 59150 |
| | 16 | 0.7 | 0.2 | 7.4 | 76 | 84 | 75 | 28.6 | 0.5 | 1.3 | 9.8 | 0 | 12 | 0 | 15.9 | 59151 |
| | 17 | 0.3 | 0 | 6.9 | 78 | 86 | 68 | 26.4 | 0.6 | 0.7 | 10.3 | 0 | 12 | 0 | 14.5 | 59152 |
| | 18 | 1.1 | 0.1 | 5.9 | 74 | 82 | 76 | 28.1 | 0.3 | 0 | 7.8 | 0 | 8 | 0 | 12.3 | 59153 |

| Core | Depth | $Cr_{WA}$ | $Cr_{HA}$ | $Cr_{HHA}$ | $Cr_{R}$ | $Cr_{SUM}$ | $Cr_{T}$ | $Cr_{H2O2}$ | $Pb_{WA}$ | $Pb_{HA}$ | $Pb_{HHA}$ | $Pb_{R}$ | $Pb_{SUM}$ | $Pb_{T}$ | $Pb_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 3 | 19 | 0.8 | 0.8 | 6.6 | 71 | 79 | 68 | 29.3 | 0 | 0.4 | 7.7 | 0 | 8 | 0 | 10.4 | 59154 |
| | 20 | 1.7 | 1.6 | 6.6 | 76 | 86 | 73 | 30.2 | 0 | 1.8 | 7.2 | 0 | 9 | 0 | 10.0 | 59155 |
| | 25 | 2.0 | 0.8 | 5.7 | 72 | 80 | 89 | 31.9 | 0 | 1.0 | 3.4 | 0 | 4 | 0 | 4.7 | 59156 |
| | 30 | 1.6 | 0.8 | 5.9 | 75 | 84 | 85 | 28.5 | 0 | 0.7 | 3.4 | 0 | 4 | 0 | 1.1 | 59157 |
| | 35 | 1.4 | 0.3 | 6.3 | 79 | 87 | 79 | 29.9 | 0 | 1.4 | 4.6 | 0 | 6 | 0 | 5.9 | 59158 |
| | 40 | 1.7 | 0.4 | 6.4 | 84 | 92 | 80 | 29.1 | 0 | 2.0 | 5.2 | 0 | 7 | 0 | 6.3 | 59159 |
| | 45 | 1.0 | 0.8 | 5.7 | 78 | 86 | 65 | 26.1 | 0 | 0.7 | 2.9 | 0 | 4 | 0 | 5.9 | 59160 |
| | 50 | 2.5 | 1.1 | 6.6 | 73 | 83 | 69 | 23.0 | 0.8 | 0.2 | 1.5 | 0 | 3 | 0 | 1.5 | 59161 |
| | 55 | 1.8 | 0.1 | 6.2 | 70 | 78 | 68 | 22.4 | 0.2 | 0.7 | 2.4 | 0 | 3 | 0 | 5.0 | 59162 |
| | 60 | 1.2 | 0 | 5.4 | 70 | 77 | 74 | 22.5 | 0 | 0.4 | 2.1 | 0 | 3 | 0 | 5.8 | 59163 |
| | 65 | 2.0 | 0.9 | 5.6 | 77 | 85 | 71 | 23.4 | 0 | 0.3 | 1.6 | 0 | 2 | 0 | 5.3 | 59164 |
| 7 | 0 | 4.2 | 0.8 | 6.4 | 95 | 106 | 91 | 16.0 | 25.0 | 7.9 | 45.8 | 10 | 88 | 94 | 28.1 | 59165 |
| | 1 | 3.0 | 0.6 | 5.8 | 95 | 104 | 93 | 15.4 | 19.1 | 8.7 | 56.9 | 13 | 97 | 104 | 17.7 | 59166 |
| | 2 | 2.7 | 1.9 | 5.6 | 98 | 109 | 95 | 15.6 | 18.5 | 8.7 | 58.8 | 11 | 97 | 108 | 27.5 | 59167 |
| | 3 | 3.2 | 0 | 5.8 | 91 | 100 | 72 | 13.4 | 25.3 | 10.8 | 44.4 | 7 | 88 | 84 | 30.9 | 59168 |
| | 4 | 3.9 | 0.9 | 5.8 | 96 | 107 | 89 | 11.8 | 15.1 | 8.9 | 52.5 | 14 | 90 | 86 | 14.8 | 59169 |
| | 5 | 3.1 | 0.8 | 7.2 | 96 | 107 | 90 | 14.9 | 18.8 | 8.9 | 50.6 | 8 | 86 | 98 | 2.5 | 59170 |
| | 6 | 3.4 | 1.2 | 9.0 | 99 | 113 | 78 | 14.9 | 17.7 | 9.0 | 52.8 | 11 | 91 | 92 | 2.0 | 59171 |
| | 7 | 3.0 | 0.9 | 9.8 | 89 | 103 | 66 | 16.4 | 14.6 | 8.3 | 65.5 | 11 | 99 | 96 | 2.6 | 59172 |
| | 8 | 2.3 | 0.3 | 9.6 | 93 | 105 | 70 | 18.8 | 16.4 | 21.1 | 70.5 | 19 | 127 | 119 | 4.7 | 59173 |
| | 9 | 2.4 | 1.5 | 10.6 | 94 | 108 | 117 | 21.6 | 10.3 | 23.2 | 84.2 | 19 | 137 | 132 | 2.1 | 59174 |
| | 10 | 4.0 | 0 | 10.2 | 83 | 97 | 111 | 22.7 | 7.3 | 21.5 | 88.9 | 25 | 142 | 146 | 35.9 | 59175 |
| | 11 | 2.7 | 0 | 9.8 | 98 | 111 | 106 | 24.5 | 6.6 | 21.8 | 88.7 | 22 | 139 | 136 | 48.3 | 59176 |
| | 12 | 2.7 | 1.5 | 9.8 | 96 | 110 | 109 | 20.7 | 5.0 | 20.1 | 101.6 | 27 | 154 | 149 | 47.2 | 59177 |
| | 13 | 1.9 | 0.4 | 9.8 | 103 | 115 | 109 | 21.3 | 4.5 | 20.8 | 93.5 | 24 | 142 | 143 | 37.7 | 59178 |
| 8 | 0 | 3.8 | 0.6 | 8.4 | 92 | 105 | 117 | 22.0 | 0 | 10.1 | 143.0 | 25 | 179 | 223 | 32.3 | 59179 |
| | 1 | 5.0 | 0 | 10.4 | 110 | 126 | 121 | 26.9 | 0.2 | 20.0 | 207.8 | 58 | 286 | 271 | 39.2 | 59180 |
| | 2 | 3.8 | 0 | 9.4 | 111 | 124 | 125 | 25.7 | 1.1 | 19.2 | 185.6 | 51 | 257 | 277 | 37.7 | 59181 |
| | 3 | 5.0 | 0.4 | 9.0 | 110 | 125 | 120 | 23.3 | 0 | 12.2 | 189.6 | 43 | 245 | 267 | 35.5 | 59182 |
| | 4 | 4.5 | 0 | 9.8 | 92 | 106 | 118 | 23.5 | 0 | 22.0 | 185.3 | 51 | 258 | 272 | 46.0 | 59183 |
| 9 | 0 | 5.5 | 0.1 | 4.8 | 85 | 95 | 104 | 18.2 | 0 | 0 | 35.1 | 182 | 217 | 188 | 0 | 59184 |
| | 1 | 3.6 | 0 | 7.4 | 98 | 109 | 100 | 20.0 | 0 | 1.1 | 117.3 | 117 | 235 | 237 | 17.8 | 59185 |
| | 2 | 3.9 | 0 | 8.0 | 92 | 103 | 113 | 21.3 | 0 | 5.8 | 156.3 | 92 | 254 | 258 | 40.9 | 59186 |
| | 3 | 5.6 | 0 | 7.4 | 85 | 98 | 104 | 19.5 | 0 | 9.9 | 154.3 | 57 | 222 | 253 | 37.6 | 59187 |
| | 4 | 3.3 | 1.5 | 8.4 | 95 | 108 | 98 | 24.4 | 0 | 6.0 | 187.2 | 74 | 268 | 261 | 39.6 | 59188 |
| | 5 | 3.0 | 1.4 | 8.0 | 96 | 108 | 92 | 24.7 | 0 | 3.3 | 167.9 | 83 | 254 | 174 | 29.4 | 59189 |
| | 6 | 2.5 | 0.1 | 6.8 | 136 | 145 | 108 | 22.7 | 0 | 0.6 | 104.3 | 38 | 143 | 251 | 12.6 | 59190 |
| 10 | 0 | 1.8 | 2.0 | 11.0 | 79 | 94 | 101 | 28.6 | 5.0 | 23.2 | 170.6 | 45 | 243 | 233 | 39.4 | 59195 |
| | 1 | 1.5 | 0.7 | 11.0 | 81 | 94 | 103 | 31.5 | 7.6 | 22.8 | 154.9 | 40 | 225 | 252 | 41.2 | 59196 |
| | 2 | 4.9 | 0.4 | 11.8 | 75 | 92 | 90 | 31.0 | 9.4 | 23.9 | 133.8 | 31 | 198 | 243 | 33.4 | 59197 |
| | 3 | 5.0 | 0 | 8.8 | 77 | 90 | 86 | 26.1 | 9.0 | 38.4 | 192.3 | 96 | 336 | 264 | 33.5 | 59198 |
| | 4 | 4.2 | 0 | 9.2 | 67 | 81 | 85 | 24.7 | 11.6 | 34.9 | 135.8 | 43 | 225 | 259 | 40.5 | 59199 |
| | 5 | 5.1 | 0 | 9.6 | 66 | 81 | 87 | 24.0 | 20.6 | 35.9 | 99.1 | 17 | 173 | 234 | 29.0 | 59200 |
| | 6 | 4.3 | 0.4 | 8.2 | 67 | 80 | 76 | 21.2 | 22.3 | 40.7 | 118.9 | 56 | 238 | 270 | 35.9 | 59201 |
| 12 | 0 | 6.1 | 0 | 11.4 | 81 | 98 | 89 | 23.5 | 11.8 | 31.1 | 125.0 | 93 | 261 | 230 | 34.0 | 59202 |
| | 1 | 5.3 | 0 | 11.6 | 76 | 93 | 90 | 20.7 | 20.2 | 31.9 | 125.1 | 98 | 275 | 234 | 36.5 | 59203 |
| | 2 | 5.9 | 0 | 11.2 | 69 | 86 | 100 | 21.5 | 13.3 | 33.9 | 149.1 | 132 | 328 | 270 | 30.8 | 59204 |
| | 3 | 6.9 | 0 | 11.8 | 77 | 95 | 101 | 23.5 | 13.7 | 43.9 | 176.7 | 101 | 335 | 375 | 26.2 | 59205 |
| | 4 | 2.7 | 1.9 | 13.0 | 86 | 104 | 108 | 27.3 | 12.0 | 50.5 | 218.0 | 88 | 369 | 337 | 41.0 | 59206 |

| Core | Depth | $Cr_{WA}$ | $Cr_{HA}$ | $Cr_{HHA}$ | $Cr_{R}$ | $Cr_{SUM}$ | $Cr_{T}$ | $Cr_{H2O2}$ | $Pb_{WA}$ | $Pb_{HA}$ | $Pb_{HHA}$ | $Pb_{R}$ | $Pb_{SUM}$ | $Pb_{T}$ | $Pb_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 12 | 5 | 1.0 | 1.8 | 12.4 | 88 | 103 | 111 | 31.5 | 4.2 | 44.1 | 218.7 | 77 | 344 | 360 | 25.7 | 59207 |
| | 6 | 1.0 | 1.8 | 10.8 | 77 | 90 | 114 | 30.4 | 2.1 | 41.3 | 226.3 | 84 | 353 | 340 | 33.3 | 59208 |
| | 7 | 2.1 | 0.8 | 11.2 | 71 | 85 | 109 | 30.7 | 3.7 | 39.0 | 240.6 | 85 | 368 | 336 | 34.9 | 59209 |
| | 8 | 2.3 | 0.5 | 13.4 | 84 | 100 | 105 | 26.5 | 2.5 | 38.8 | 228.8 | 159 | 429 | 314 | 24.1 | 59210 |
| | 9 | 2.2 | 1.2 | 10.0 | 68 | 82 | 104 | 26.1 | 2.4 | 40.2 | 217.1 | 94 | 353 | 333 | 31.3 | 59211 |
| | 10 | 3.7 | 2.2 | 9.4 | 74 | 90 | 85 | 34.5 | 3.7 | 46.9 | 232.9 | 100 | 384 | 365 | 30.7 | 59212 |
| 16 | 0 | 3.0 | 1.3 | 6.5 | 78 | 89 | 102 | 22.6 | 4.9 | 24.3 | 86.4 | 9 | 124 | 144 | 36.4 | 59226 |
| | 1 | 2.9 | 2.5 | 7.8 | 91 | 104 | 106 | 22.4 | 7.5 | 29.2 | 79.7 | 15 | 131 | 139 | 39.7 | 59227 |
| | 2 | 3.4 | 0.6 | 8.8 | 86 | 99 | 105 | 23.1 | 6.1 | 24.1 | 91.5 | 21 | 143 | 149 | 39.7 | 59228 |
| | 3 | 3.5 | 0.9 | 8.6 | 88 | 101 | 90 | 23.1 | 6.0 | 29.5 | 91.8 | 30 | 157 | 158 | 40.8 | 59229 |
| | 4 | 2.7 | 0.3 | 8.0 | 84 | 95 | 108 | 22.5 | 8.8 | 31.4 | 98.2 | 12 | 151 | 164 | 40.1 | 59230 |
| | 5 | 2.3 | 0.7 | 8.3 | 85 | 96 | 105 | 24.1 | 9.7 | 29.8 | 104.3 | 18 | 161 | 192 | 36.5 | 59231 |
| | 6 | 2.1 | 0 | 9.7 | 92 | 104 | 117 | 23.8 | 10.9 | 30.0 | 111.8 | 16 | 169 | 203 | 42.1 | 59232 |
| | 7 | 2.0 | 0.5 | 10.5 | 88 | 101 | 107 | 25.1 | 9.8 | 33.4 | 116.9 | 26 | 186 | 202 | 39.3 | 59233 |
| | 8 | 2.6 | 0.2 | 10.4 | 82 | 95 | 104 | 24.1 | 21.8 | 41.9 | 108.0 | 25 | 196 | 226 | 40.7 | 59234 |
| | 9 | 1.8 | 0.5 | 9.6 | 85 | 97 | 101 | 21.2 | 22.4 | 41.1 | 116.0 | 27 | 207 | 192 | 37.0 | 59235 |
| | 10 | 1.1 | 0 | 7.3 | 87 | 95 | 102 | 20.8 | 24.2 | 34.6 | 121.0 | 40 | 219 | 202 | 39.4 | 59236 |
| | 11 | 1.4 | 0 | 8.0 | 80 | 90 | 83 | 17.0 | 11.7 | 30.3 | 107.6 | 23 | 173 | 190 | 31.1 | 59237 |
| | 12 | 0.8 | 0.2 | 6.7 | 72 | 80 | 80 | 15.1 | 3.8 | 32.4 | 86.1 | 28 | 151 | 141 | 24.1 | 59238 |
| | 13 | 0.7 | 1.5 | 7.3 | 78 | 87 | 87 | 16.5 | 6.9 | 28.3 | 84.3 | 20 | 140 | 170 | 25.4 | 59239 |
| | 14 | 1.4 | 0.5 | 6.9 | 73 | 82 | 83 | 14.6 | 3.7 | 20.9 | 92.8 | 23 | 140 | 157 | 18.2 | 59240 |
| | 15 | 1.6 | 2.3 | 6.5 | 78 | 88 | 83 | 15.4 | 3.4 | 35.4 | 113.9 | 24 | 177 | 185 | 32.6 | 59241 |
| | 20 | 1.4 | 1.6 | 6.3 | 68 | 77 | 74 | 15.1 | 3.4 | 33.9 | 127.3 | 38 | 203 | 159 | 30.1 | 59242 |
| | 25 | 0.5 | 2.8 | 6.7 | 67 | 77 | 88 | 15.0 | 2.4 | 24.4 | 115.5 | 29 | 172 | 280 | 28.7 | 59243 |
| | 30 | 0.6 | 2.1 | 5.8 | 69 | 78 | 89 | 14.0 | 5.2 | 19.1 | 65.2 | 3 | 93 | 100 | 27.1 | 59244 |
| | 35 | 0 | 2.9 | 6.2 | 74 | 83 | 81 | 14.1 | 1.0 | 13.9 | 54.8 | 0 | 70 | 53 | 39.3 | 59245 |
| | 40 | 0.4 | 2.8 | 6.1 | 82 | 92 | 78 | 13.4 | 13.1 | 7.0 | 30.5 | 0 | 51 | 45 | 31.5 | 59246 |
| | 45 | 0 | 2.5 | 5.8 | 67 | 75 | 82 | 13.8 | 6.2 | 1.7 | 15.6 | 0 | 24 | 10 | 14.4 | 59247 |
| 18 | 0 | 1.5 | 0.8 | 7.6 | 74 | 84 | 92 | 28.7 | 4.1 | 23.4 | 92.2 | 13 | 133 | 126 | 27.1 | 59213 |
| | 1 | 1.6 | 1.2 | 7.4 | 72 | 82 | 89 | 29.0 | 0 | 21.9 | 100.7 | 13 | 136 | 139 | 24.2 | 59214 |
| | 2 | 2.0 | 0 | 8.8 | 84 | 94 | 94 | 20.9 | 0.5 | 19.3 | 103.7 | 13 | 137 | 118 | 29.2 | 59215 |
| | 3 | 1.0 | 0 | 9.2 | 82 | 93 | 90 | 21.3 | 0 | 20.3 | 101.1 | 11 | 133 | 124 | 30.0 | 59216 |
| | 4 | 1.0 | 0 | 9.6 | 81 | 91 | 100 | 22.6 | 0.8 | 20.9 | 111.6 | 25 | 158 | 151 | 29.4 | 59217 |
| | 5 | 1.3 | 0 | 9.4 | 81 | 92 | 91 | 23.3 | 0.3 | 19.5 | 101.8 | 20 | 142 | 132 | 31.2 | 59218 |
| | 6 | 1.8 | 0 | 10.6 | 86 | 99 | 81 | 23.5 | 0.4 | 21.8 | 105.2 | 16 | 143 | 147 | 30.3 | 59219 |
| | 7 | 1.5 | 0 | 9.4 | 82 | 93 | 82 | 23.9 | 0.1 | 21.7 | 111.0 | 15 | 148 | 150 | 35.7 | 59220 |
| | 8 | 3.6 | 1.9 | 10.2 | 81 | 97 | 87 | 23.0 | 3.5 | 27.4 | 101.0 | 12 | 144 | 160 | 36.9 | 59221 |
| | 9 | 2.9 | 0.9 | 9.1 | 84 | 97 | 81 | 22.5 | 10.1 | 27.3 | 94.4 | 11 | 142 | 160 | 35.4 | 59222 |
| | 10 | 2.8 | 0.2 | 7.4 | 80 | 90 | 119 | 23.3 | 3.8 | 25.1 | 99.8 | 18 | 146 | 167 | 30.5 | 59223 |
| | 11 | 2.4 | 1.6 | 7.7 | 88 | 100 | 102 | 24.2 | 3.1 | 26.2 | 107.2 | 14 | 151 | 152 | 27.8 | 59224 |
| | 12 | 3.9 | 1.1 | 9.4 | 82 | 96 | 97 | 24.7 | 4.8 | 31.1 | 106.9 | 11 | 154 | 171 | 30.1 | 59225 |
| 19 | 0 | 2.0 | 0.8 | 5.6 | 71 | 80 | 72 | 16.0 | 22.5 | 7.1 | 65.1 | 3 | 98 | 75 | 41.6 | 59248 |
| | 1 | 1.3 | 0 | 6.0 | 77 | 84 | 70 | 31.6 | 6.5 | 3.0 | 86.6 | 48 | 145 | 123 | 65.4 | 59249 |
| | 2 | 1.4 | 0.8 | 6.1 | 83 | 92 | 83 | 25.9 | 8.9 | 4.4 | 77.4 | 27 | 118 | 120 | 47.9 | 59250 |
| | 3 | 1.2 | 0.3 | 5.6 | 58 | 66 | 70 | 26.0 | 10.3 | 4.2 | 74.3 | 50 | 139 | 130 | 39.4 | 59251 |
| | 4 | 1.5 | 0.6 | 4.6 | 62 | 69 | 68 | 22.4 | 7.9 | 4.9 | 99.1 | 78 | 190 | 134 | 30.2 | 59252 |
| | 5 | 1.7 | 0 | 5.4 | 53 | 60 | 76 | 24.2 | 7.6 | 4.0 | 60.3 | 37 | 109 | 109 | 25.0 | 59253 |
| | 6 | 0.7 | 0.7 | 5.8 | 57 | 64 | 69 | 22.8 | 7.6 | 3.9 | 57.8 | 15 | 84 | 89 | 16.7 | 59254 |
| | 7 | 1.2 | 0.4 | 5.4 | 65 | 72 | 69 | 24.7 | 6.8 | 5.1 | 80.3 | 26 | 118 | 102 | 32.5 | 59255 |
| | 8 | 1.2 | 0.6 | 5.0 | 56 | 63 | 76 | 22.1 | 68.7 | 42.8 | 488.2 | 709 | 1309 | 664 | 3.3 | 59256 |
| | 9 | 1.6 | 0.1 | 5.5 | 57 | 65 | 79 | 22.5 | 124.2 | 78.8 | 665.3 | 999 | 1868 | 832 | 28.9 | 59257 |

| Core | Depth | $Cr_{WA}$ | $Cr_{HA}$ | $Cr_{HHA}$ | $Cr_{R}$ | $Cr_{SUM}$ | $Cr_{T}$ | $Cr_{H2O2}$ | $Pb_{WA}$ | $Pb_{HA}$ | $Pb_{HHA}$ | $Pb_{R}$ | $Pb_{SUM}$ | $Pb_{T}$ | $Pb_{H2O2}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | |
| 19 | 10 | 0.9 | 0 | 6.0 | 55 | 62 | 73 | 25.5 | 15.4 | 8.8 | 110.7 | 64 | 199 | 126 | 55.0 | 59258 |
| | 11 | 1.4 | 0 | 4.8 | 62 | 68 | 73 | 22.7 | 2.0 | 1.5 | 36.5 | 7 | 47 | 53 | 32.1 | 59259 |
| | 12 | 1.5 | 0 | 5.5 | 73 | 80 | 80 | 22.8 | 6.4 | 3.2 | 38.7 | 19 | 67 | 18 | 8.1 | 59260 |
| | 13 | 1.0 | 0 | 5.1 | 66 | 72 | 80 | 22.5 | 0 | 0.5 | 5.4 | 0 | 6 | 0 | 8.4 | 59261 |
| | 14 | 0.8 | 0 | 4.5 | 68 | 73 | 83 | 20.9 | 0 | 0.3 | 4.7 | 0 | 5 | 0 | 6.0 | 59262 |
| | 15 | 1.3 | 0 | 5.3 | 72 | 79 | 81 | 20.4 | 0 | 0.6 | 7.7 | 0 | 8 | 0 | 7.1 | 59263 |
| | 20 | 1.2 | 0 | 5.8 | 69 | 76 | 83 | 21.8 | 0 | 0 | 1.2 | 0 | 1 | 0 | 4.2 | 59264 |
| | 25 | 2.7 | 0 | 9.0 | 77 | 88 | 87 | 27.0 | 9.9 | 6.1 | 60.8 | 27 | 104 | 68 | 37.3 | 59265 |
| | 30 | 2.1 | 0.5 | 7.6 | 76 | 86 | 102 | 31.6 | 28.5 | 14.3 | 155.7 | 97 | 295 | 271 | 33.7 | 59266 |
| | 35 | 1.4 | 1.1 | 6.1 | 63 | 72 | 77 | 24.6 | 28.1 | 13.2 | 130.7 | 51 | 223 | 200 | 40.4 | 59267 |
| | 40 | 0.7 | 0.4 | 5.9 | 70 | 77 | 97 | 24.0 | 1.6 | 1.9 | 10.8 | 0 | 14 | 6 | 16.0 | 59268 |
| 20 | 0 | 2.7 | 0.6 | 7.2 | 72 | 83 | 83 | 18.6 | 2.9 | 2.2 | 47.5 | 3 | 55 | 59 | 0 | 46701 |
| | 1 | 2.4 | 0.5 | 7.0 | 74 | 84 | 91 | 18.8 | 5.1 | 3.1 | 47.1 | 2 | 57 | 69 | 0 | 46702 |
| | 2 | 2.6 | 1.7 | 7.2 | 74 | 86 | 85 | 21.5 | 9.5 | 3.6 | 45.8 | 3 | 62 | 62 | 0 | 46703 |
| | 3 | 3.5 | 1.1 | 4.1 | 77 | 86 | 85 | 19.8 | 7.6 | 3.5 | 28.4 | 29 | 69 | 64 | 0 | 46704 |
| | 4 | 4.0 | 0 | 2.9 | 74 | 81 | 82 | 20.4 | 7.1 | 3.4 | 29.5 | 29 | 69 | 55 | 0 | 46705 |
| | 5 | 3.3 | 0.4 | 3.7 | 68 | 76 | 82 | 16.2 | 5.9 | 4.1 | 28.1 | 23 | 61 | 49 | 0 | 46706 |
| | 6 | 2.7 | 0.6 | 4.4 | 72 | 80 | 80 | 17.0 | 7.1 | 3.8 | 27.7 | 23 | 61 | 54 | 0 | 46707 |
| | 7 | 2.7 | 0 | 4.4 | 66 | 74 | 71 | 13.8 | 7.4 | 3.9 | 27.1 | 25 | 64 | 49 | 0 | 46708 |
| | 8 | 2.8 | 0.7 | 4.2 | 68 | 76 | 80 | 13.5 | 5.4 | 3.0 | 25.3 | 24 | 57 | 56 | 0 | 46709 |
| | 9 | 2.6 | 1.2 | 3.8 | 63 | 70 | 77 | 19.4 | 11.3 | 4.7 | 27.5 | 24 | 68 | 58 | 0 | 46710 |
| | 10 | 2.3 | 1.4 | 1.9 | 61 | 66 | 73 | 14.0 | 9.1 | 5.2 | 26.7 | 10 | 51 | 42 | 0 | 46711 |
| 23 | 0 | 1.2 | 0.8 | 4.3 | 55 | 62 | 73 | 0 | 6.8 | 2.3 | 27.3 | 0 | 36 | 30 | 0 | 46712 |
| | 1 | 1.4 | 2.4 | 2.8 | 52 | 58 | 68 | 3.2 | 3.0 | 1.9 | 35.4 | 0 | 40 | 30 | 0 | 46713 |
| | 2 | 2.5 | 1.5 | 1.4 | 55 | 60 | 69 | 1.6 | 6.8 | 2.9 | 33.8 | 0 | 44 | 31 | 0 | 46714 |
| | 3 | 1.5 | 1.5 | 2.9 | 55 | 61 | 67 | 4.3 | 3.4 | 2.4 | 36.0 | 0 | 42 | 39 | 0 | 46715 |
| | 4 | 0.5 | 0 | 4.1 | 58 | 63 | 68 | 1.9 | 2.2 | 2.0 | 34.8 | 0 | 39 | 30 | 0 | 46716 |
| | 5 | 1.5 | 0.5 | 5.8 | 63 | 71 | 79 | 1.0 | 2.5 | 1.8 | 36.2 | 0 | 41 | 34 | 0 | 46717 |
| | 6 | 1.2 | 0.9 | 4.9 | 59 | 66 | 73 | 0 | 4.8 | 2.3 | 29.4 | 0 | 37 | 18 | 0 | 46718 |
| | 7 | 3.0 | 0.1 | 4.3 | 56 | 63 | 79 | 3.5 | 2.5 | 0.9 | 37.7 | 0 | 41 | 34 | 0 | 46719 |
| | 8 | 2.1 | 0 | 4.8 | 61 | 68 | 76 | 6.1 | 2.0 | 2.1 | 37.3 | 0 | 41 | 28 | 0 | 46720 |
| | 9 | 3.3 | 0 | 4.4 | 61 | 69 | 78 | 3.8 | 0.9 | 1.6 | 39.7 | 0 | 42 | 22 | 0 | 46721 |
| 24 | 0 | 2.8 | 0 | 6.7 | 75 | 84 | 94 | 31.9 | 13.0 | 7.5 | 137.1 | 64 | 222 | 175 | 1.9 | 46724 |
| | 5 | 3.4 | 0.1 | 6.6 | 79 | 89 | 97 | 31.2 | 15.0 | 10.4 | 163.4 | 66 | 255 | 231 | 3.7 | 46725 |
| | 10 | 2.2 | 0.6 | 4.2 | 76 | 83 | 78 | 26.4 | 15.5 | 9.2 | 108.2 | 63 | 196 | 203 | 0 | 46726 |
| | 15 | 2.1 | 0.3 | 3.3 | 61 | 67 | 74 | 25.2 | 6.9 | 2.4 | 33.1 | 23 | 66 | 68 | 21.8 | 46727 |
| | 20 | 1.1 | 0 | 4.6 | 66 | 71 | 75 | 20.5 | 2.4 | 0.9 | 11.3 | 1 | 15 | 10 | 17.4 | 46728 |
| | 25 | 0.5 | 0.1 | 4.4 | 72 | 77 | 72 | 18.1 | 1.1 | 0.5 | 4.1 | 0 | 6 | 0 | 6.4 | 46729 |
| | 30 | 0.7 | 0 | 4.1 | 61 | 66 | 85 | 21.4 | 1.6 | 0 | 1.9 | 0 | 4 | 0 | 3.8 | 46730 |
| | 35 | 0.6 | 0 | 5.1 | 63 | 69 | 81 | 20.0 | 1.5 | 0.4 | 1.7 | 0 | 4 | 0 | 2.6 | 46731 |
| | 40 | 0.6 | 0 | 4.4 | 67 | 72 | 87 | 21.6 | 1.5 | 0 | 1.9 | 0 | 3 | 0 | 3.7 | 46732 |
| | 45 | 0.6 | 0 | 4.7 | 63 | 68 | 80 | 24.2 | 1.6 | 0 | 1.1 | 0 | 3 | 0 | 3.0 | 46733 |
| | 50 | 0.9 | 0 | 5.0 | 67 | 73 | 72 | 25.4 | 1.1 | 0.2 | 1.0 | 0 | 2 | 0 | 3.1 | 46734 |
| | 55 | 1.7 | 0 | 3.5 | 60 | 65 | 70 | 23.1 | 1.7 | 0.4 | 2.0 | 0 | 4 | 0 | 2.9 | 46735 |
| | 60 | 1.0 | 0 | 4.4 | 59 | 65 | 74 | 17.8 | 0.4 | 0.5 | 1.5 | 0 | 2 | 0 | 2.8 | 46736 |
| | 65 | 1.0 | 0 | 4.9 | 55 | 61 | 70 | 20.9 | 1.0 | 0 | 2.1 | 0 | 3 | 0 | 1.0 | 46737 |
| | 70 | 0.8 | 0 | 5.4 | 64 | 70 | 76 | 22.2 | 1.6 | 0 | 1.7 | 0 | 3 | 0 | 1.5 | 46738 |
| | 75 | 0.4 | 0 | 4.6 | 49 | 54 | 63 | 19.7 | 1.9 | 0 | 1.3 | 0 | 3 | 0 | 1.7 | 46739 |
| | 80 | 0.8 | 0 | 4.6 | 55 | 60 | 66 | 17.8 | 1.8 | 0 | 1.6 | 0 | 3 | 0 | 2.5 | 46740 |

| Core | Depth | $Si_R$ | $Si_T$ | $Al_R$ | $Al_T$ | $Mg_R$ | $Mg_T$ | $K_R$ | $K_T$ | $Ti_T$ | $Li_T$ | $Cd_T$ | $Hg_T$ | Residue | $CaCO_3$ | $C_{org}$ | Water | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | % | % | % | % | % | % | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | mg | % | % | % | |
| 1 | 0 | 19.70 | 21.83 | 5.07 | 8.71 | 0.52 | 1.27 | 1.64 | 1.16 | 0.375 | 67 | 0.99 | 0.88 | 783 | 1.33 | 4.80 | 75.1 | 59101 |
| | 1 | 20.20 | 21.45 | 3.81 | 9.57 | 0.41 | 1.26 | 0.97 | 1.36 | 0.436 | 57 | 0.60 | 0.73 | 828 | 5.17 | 4.10 | 68.5 | 59102 |
| | 2 | 25.77 | 24.38 | 3.69 | 6.80 | 0.33 | 0.85 | 0.86 | 0.98 | 0.296 | 63 | 0.75 | 0.83 | 888 | 0 | 4.15 | 57.9 | 59103 |
| | 3 | 31.16 | 23.72 | 1.82 | 8.56 | 0.12 | 1.02 | 0.42 | 1.26 | 0.398 | 60 | 0.82 | 0.89 | 929 | 3.67 | 4.32 | 65.3 | 59104 |
| | 4 | 33.43 | 24.58 | 1.78 | 8.47 | 0 9 | 1.06 | 0.36 | 1.23 | 0.424 | 78 | 1.04 | 0.77 | 931 | 2.42 | 3.70 | 66.4 | 59105 |
| | 5 | 24.45 | 25.52 | 3.87 | 9.84 | 0.23 | 1.05 | 0.66 | 1.28 | 0.383 | 89 | 0.90 | 0.75 | 913 | 3.08 | 2.72 | 42.5 | 59106 |
| | 6 | 20.88 | 24.76 | 6.48 | 11.70 | 0.64 | 1.17 | 1.46 | 1.60 | 0.429 | 96 | 0.82 | 0.83 | 861 | 4.50 | 4.70 | 62.6 | 59107 |
| | 7 | 23.57 | 24.04 | 5.14 | 9.50 | 0.39 | 1.00 | 1.25 | 1.40 | 0.381 | 71 | 0.63 | 0.65 | 867 | 1.25 | 4.69 | 69.1 | 59108 |
| | 8 | 23.65 | 23.03 | 5.93 | 8.32 | 0.53 | 0.87 | 1.31 | 1.30 | 0.333 | 70 | 0.48 | 0.77 | 875 | 2.25 | 4.47 | 68.7 | 59109 |
| | 9 | 23.41 | 25.71 | 6.06 | 14.50 | 0.56 | 0.99 | 1.43 | 1.52 | 0.479 | 85 | 0.59 | 1.03 | 854 | 6.42 | 3.83 | 67.9 | 59110 |
| | 10 | 23.52 | 23.69 | 5.73 | 9.98 | 0.56 | 0.97 | 1.30 | 1.49 | 0.376 | 75 | 0.57 | 2.06 | 861 | 2.58 | 4.95 | 71.7 | 59111 |
| | 11 | 21.46 | 25.32 | 5.61 | 10.60 | 0.48 | 1.00 | 1.36 | 1.44 | 0.392 | 73 | 0.46 | 1.48 | 806 | 0 | 4.79 | 64.8 | 59112 |
| | 12 | 25.09 | 23.50 | 7.48 | 12.60 | 0.69 | 1.03 | 2.21 | 1.72 | 0.430 | 86 | 0.49 | 1.63 | 864 | 0.17 | 5.28 | 71.3 | 59113 |
| | 13 | 24.27 | 23.53 | 8.59 | 11.70 | 0.78 | 1.01 | 2.34 | 1.52 | 0.455 | 82 | 0.52 | 1.62 | 856 | 4.67 | 4.04 | 69.0 | 59114 |
| | 14 | 24.23 | 28.71 | 7.30 | 10.10 | 0.67 | 0.86 | 2.09 | 1.30 | 0.382 | 82 | 0.53 | 1.44 | 838 | 1.58 | 5.12 | 70.7 | 59115 |
| | 15 | 21.73 | 25.87 | 6.99 | 11.20 | 0.72 | 0.93 | 1.96 | 1.56 | 0.428 | 84 | 0.47 | 1.45 | 842 | 0.83 | 4.93 | 69.9 | 59116 |
| | 16 | 17.28 | 26.26 | 4.56 | 12.40 | 0.50 | 0.94 | 1.20 | 1.45 | 0.468 | 84 | 0.43 | 1.25 | 716 | 3.17 | 4.40 | 69.5 | 59117 |
| | 17 | 18.19 | 26.35 | 6.15 | 11.80 | 0.63 | 0.97 | 1.69 | 1.65 | 0.439 | 82 | 0.42 | 1.25 | 685 | 2.25 | 4.69 | 69.9 | 59118 |
| | 18 | 18.76 | 25.90 | 5.99 | 12.10 | 0.63 | 1.06 | 1.69 | 1.64 | 0.461 | 80 | 0.30 | 1.09 | 747 | 2.33 | 4.71 | 68.3 | 59119 |
| | 19 | 18.49 | 25.21 | 5.68 | 12.00 | 0.59 | 1.09 | 1.57 | 1.58 | 0.454 | 84 | 0.37 | 0.90 | 861 | 0.67 | 4.75 | 69.1 | 59120 |
| | 20 | 19.71 | 33.65 | 6.40 | 6.36 | 0.67 | 0.46 | 1.94 | 0.94 | 0.202 | 74 | 0.47 | 0.60 | 778 | 2.08 | 4.40 | 70.1 | 59121 |
| | 21 | 20.31 | 24.55 | 6.52 | 11.80 | 0.67 | 1.10 | 1.82 | 1.66 | 0.482 | 81 | 0.35 | 0.54 | 854 | 0.67 | 4.50 | 68.9 | 59122 |
| | 22 | 21.80 | 24.12 | 7.16 | 11.20 | 0.78 | 1.17 | 2.29 | 1.66 | 0.432 | 79 | 0.38 | 0.13 | 859 | 2.17 | 4.29 | 70.2 | 59123 |
| | 23 | 16.94 | 25.83 | 5.42 | 10.60 | 0.59 | 1.09 | 1.68 | 1.74 | 0.439 | 68 | 0.34 | 0.07 | 718 | 0.92 | 4.22 | 70.7 | 59124 |
| | 24 | 19.59 | 24.46 | 6.08 | 10.50 | 0.60 | 0.96 | 1.69 | 1.61 | 0.430 | 76 | 0.39 | 0.03 | 857 | 2.50 | 4.13 | 70.3 | 59125 |
| | 25 | 19.24 | 24.96 | 5.82 | 9.99 | 0.60 | 1.00 | 1.73 | 1.43 | 0.445 | 75 | 0.36 | 0.09 | 807 | 1.08 | 4.29 | 69.8 | 59126 |
| | 26 | 16.99 | 24.24 | 5.08 | 10.60 | 0.52 | 1.06 | 1.59 | 1.62 | 0.417 | 63 | 0.31 | 0.03 | 675 | 1.42 | 4.24 | 69.9 | 59127 |
| | 27 | 21.34 | 23.90 | 6.67 | 9.64 | 0.58 | 1.04 | 2.65 | 1.73 | 0.426 | 65 | 0.34 | 0 | 686 | 2.08 | 4.14 | 69.7 | 59128 |
| | 28 | 21.27 | 23.54 | 6.07 | 10.10 | 0.57 | 1.00 | 2.02 | 1.52 | 0.406 | 71 | 0.38 | 0 | 832 | 0.83 | 4.28 | 69.9 | 59129 |
| | 29 | 18.01 | 23.08 | 5.34 | 10.00 | 0.46 | 1.13 | 1.74 | 1.57 | 0.408 | 66 | 0.27 | 0.07 | 726 | 0.67 | 4.22 | 68.8 | 59130 |
| | 40 | 19.69 | 26.79 | 5.77 | 10.00 | 0.69 | 1.22 | 1.85 | 1.52 | 0.396 | 66 | 0.30 | 0 | 723 | 2.83 | 3.88 | 68.9 | 59131 |
| | 50 | 25.63 | 26.15 | 8.61 | 9.50 | 0.69 | 0.96 | 3.44 | 1.25 | 0.406 | 72 | 0.55 | 0 | 832 | 2.67 | 3.87 | 69.2 | 59132 |
| | 60 | 24.08 | 25.17 | 7.44 | 10.40 | 0.65 | 0.96 | 2.93 | 2.11 | 0.319 | 60 | 0.31 | 0 | 735 | 2.83 | 3.93 | 70.2 | 59133 |
| | 70 | 20.79 | 26.61 | 6.01 | 9.70 | 0.69 | 1.11 | 1.77 | 2.00 | 0.338 | 66 | 0.42 | 0.02 | 857 | 2.50 | 3.85 | 68.7 | 59134 |
| 3 | 0 | 25.17 | 27.33 | 8.26 | 11.50 | 0.93 | 0.97 | 2.71 | 2.35 | 0.415 | 87 | 1.02 | 0.51 | 910 | 5.42 | 2.72 | 66.9 | 59135 |
| | 1 | 25.92 | 26.77 | 7.72 | 12.70 | 0.87 | 0.84 | 2.60 | 2.67 | 0.400 | 91 | 0.96 | 0.55 | 905 | 5.85 | 2.91 | 67.0 | 59136 |
| | 2 | 22.91 | 26.41 | 6.98 | 10.40 | 0.73 | 0.87 | 2.28 | 2.42 | 0.392 | 87 | 0.99 | 0.68 | 874 | 7.39 | 4.02 | 71.5 | 59137 |
| | 3 | 28.86 | 26.43 | 8.85 | 11.00 | 0.79 | 0.85 | 3.32 | 2.22 | 0.358 | 80 | 0.88 | 0.61 | 903 | 5.91 | 2.77 | 62.8 | 59138 |
| | 4 | 27.80 | 26.37 | 8.46 | 10.30 | 0.76 | 0.74 | 3.43 | 2.60 | 0.339 | 79 | 1.09 | 0.81 | 874 | 6.55 | 5.15 | 73.1 | 59139 |
| | 5 | 26.00 | 25.64 | 7.74 | 10.10 | 0.74 | 0.87 | 3.08 | 1.93 | 0.309 | 65 | 1.17 | 0.91 | 883 | 5.38 | 6.79 | 76.5 | 59140 |
| | 6 | 19.26 | 25.94 | 7.58 | 9.85 | 0.49 | 0.85 | 3.17 | 1.78 | 0.335 | 70 | 1.17 | 0.81 | 876 | 6.23 | 6.58 | 75.7 | 59141 |
| | 7 | 21.16 | 25.48 | 6.10 | 9.63 | 0.39 | 0.94 | 1.60 | 1.63 | 0.311 | 74 | 1.28 | 1.14 | 863 | 9.26 | 5.55 | 74.0 | 59142 |
| | 8 | 20.67 | 25.33 | 5.87 | 9.53 | 0.40 | 0.84 | 1.60 | 1.69 | 0.313 | 74 | 1.25 | 1.18 | 863 | 6.90 | 6.56 | 75.3 | 59143 |
| | 9 | 22.25 | 25.10 | 5.98 | 8.56 | 0.35 | 0.85 | 1.61 | 1.24 | 0.319 | 70 | 1.18 | 0.98 | 868 | 10.02 | 6.50 | 74.2 | 59144 |
| | 10 | 19.70 | 24.80 | 4.89 | 9.43 | 0.28 | 0.98 | 1.26 | 1.53 | 0.301 | 70 | 1.18 | 0.94 | 860 | 5.16 | 6.66 | 75.2 | 59145 |
| | 11 | 19.89 | 24.89 | 5.43 | 9.35 | 0.33 | 0.95 | 1.46 | 1.47 | 0.307 | 67 | 1.17 | 0.69 | 831 | 9.76 | 6.12 | 74.9 | 59146 |
| | 12 | 22.36 | 24.31 | 5.75 | 8.95 | 0.41 | 0.96 | 1.75 | 1.55 | 0.288 | 66 | 1.19 | 0.46 | 856 | 7.90 | 6.27 | 76.9 | 59147 |
| | 13 | 18.34 | 23.56 | 5.16 | 8.81 | 0.37 | 0.90 | 1.41 | 1.46 | 0.276 | 66 | 1.27 | 0.21 | 852 | 7.87 | 5.33 | 74.3 | 59148 |
| | 14 | 17.77 | 23.56 | 5.05 | 9.34 | 0.42 | 0.88 | 1.35 | 1.43 | 0.307 | 68 | 1.54 | 0.55 | 857 | 4.97 | 6.09 | 76.0 | 59149 |
| | 15 | 19.52 | 26.66 | 5.42 | 8.74 | 0.47 | 0.81 | 1.30 | 1.54 | 0.292 | 39 | 1.35 | 0.14 | 839 | 6.17 | 6.43 | 77.5 | 59150 |
| | 16 | 26.96 | 26.48 | 7.61 | 5.79 | 0.74 | 0.76 | 2.37 | 0.98 | 0.371 | 65 | 0.91 | 0.09 | 845 | 6.69 | 6.67 | 77.6 | 59151 |
| | 17 | 25.91 | 26.24 | 6.40 | 5.23 | 0.60 | 0.75 | 2.38 | 1.07 | 0.387 | 60 | 0.99 | 0.07 | 843 | 7.26 | 6.42 | 77.5 | 59152 |
| | 18 | 25.43 | 26.58 | 7.14 | 6.32 | 0.74 | 0.80 | 1.82 | 1.21 | 0.374 | 70 | 1.10 | 0.14 | 846 | 7.32 | 6.63 | 76.6 | 59153 |

| Core | Depth | $Si_R$ | $Si_T$ | $Al_R$ | $Al_T$ | $Mg_R$ | $Mg_T$ | $K_R$ | $K_T$ | $Ti_T$ | $Li_T$ | $Cd_T$ | $Hg_T$ | Residue | $CaCO_3$ | $C_{org}$ | Water | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | % | % | % | % | % | % | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | mg | % | % | % | |
| 3 | 19 | 18.93 | 26.57 | 4.58 | 5.59 | 0.48 | 0.83 | 1.18 | 1.30 | 0.406 | 61 | 1.17 | 0.16 | 835 | 6.26 | 6.83 | 77.5 | 59154 |
| | 20 | 26.68 | 26.27 | 7.07 | 6.17 | 0.74 | 0.83 | 2.08 | 1.19 | 0.435 | 63 | 1.06 | 0.18 | 837 | 8.00 | 6.90 | 77.2 | 59155 |
| | 25 | 25.62 | 26.28 | 7.77 | 6.12 | 0.70 | 0.65 | 2.05 | 1.19 | 0.401 | 65 | 1.18 | 0.09 | 779 | 7.76 | 7.17 | 77.0 | 59156 |
| | 30 | 25.96 | 26.66 | 6.32 | 6.76 | 0.57 | 0.95 | 2.25 | 0.98 | 0.421 | 67 | 1.29 | 0.09 | 829 | 5.21 | 7.21 | 76.0 | 59157 |
| | 35 | 24.46 | 26.25 | 6.24 | 6.98 | 0.48 | 1.05 | 1.92 | 1.23 | 0.415 | 63 | 1.20 | 0.12 | 840 | 5.52 | 7.04 | 75.8 | 59158 |
| | 40 | 20.30 | 25.83 | 5.09 | 6.90 | 0.49 | 1.08 | 1.81 | 1.15 | 0.369 | 66 | 1.36 | 0.05 | 864 | 7.54 | 6.81 | 72.8 | 59159 |
| | 45 | 24.35 | 26.25 | 5.94 | 6.39 | 0.49 | 1.05 | 1.88 | 1.18 | 0.383 | 63 | 1.80 | 0.09 | 834 | 6.30 | 6.85 | 75.7 | 59160 |
| | 50 | 26.48 | 25.39 | 6.41 | 5.93 | 0.54 | 0.91 | 2.07 | 1.04 | 0.352 | 60 | 1.83 | 0.09 | 800 | 6.85 | 6.36 | 73.7 | 59161 |
| | 55 | 19.08 | 26.07 | 5.70 | 6.01 | 0.37 | 0.77 | 1.86 | 1.15 | 0.389 | 55 | 1.85 | 0.09 | 742 | 3.49 | 6.80 | 73.3 | 59162 |
| | 60 | 24.96 | 30.23 | 6.35 | 6.37 | 0.55 | 0.85 | 2.01 | 0.89 | 0.329 | 60 | 2.52 | 0.06 | 848 | 0.04 | 6.73 | 73.8 | 59163 |
| | 65 | 27.71 | 32.34 | 6.64 | 6.27 | 0.64 | 1.02 | 2.14 | 1.09 | 0.401 | 59 | 2.38 | 0.04 | 855 | 7.07 | 6.66 | 72.4 | 59164 |
| 7 | 0 | 29.77 | 28.47 | 9.26 | 7.68 | 1.04 | 0.94 | 2.82 | 1.59 | 0.486 | 78 | 1.42 | 0.54 | 872 | 6.35 | 4.23 | 76.0 | 59165 |
| | 1 | 27.15 | 31.07 | 10.00 | 8.83 | 0.68 | 0.90 | 3.11 | 2.20 | 0.584 | 96 | 1.45 | 0.48 | 900 | 6.67 | 3.26 | 63.0 | 59166 |
| | 2 | 22.62 | 30.29 | 7.76 | 9.68 | 0.80 | 1.03 | 2.07 | 2.38 | 0.562 | 91 | 1.52 | 0.45 | 911 | 6.08 | 3.27 | 61.2 | 59167 |
| | 3 | 31.26 | 30.31 | 11.60 | 9.67 | 1.15 | 0.94 | 3.62 | 2.44 | 0.554 | 89 | 1.07 | 0.45 | 907 | 5.65 | 2.62 | 59.6 | 59168 |
| | 4 | 30.28 | 30.52 | 13.30 | 9.78 | 1.01 | 0.96 | 3.07 | 2.79 | 0.551 | 99 | 1.15 | 0.44 | 910 | 5.36 | 2.51 | 59.8 | 59169 |
| | 5 | 29.74 | 29.40 | 10.70 | 8.72 | 0.98 | 0.95 | 2.91 | 2.38 | 0.561 | 109 | 1.02 | 0.54 | 903 | 4.11 | 2.95 | 64.6 | 59170 |
| | 6 | 30.36 | 29.73 | 10.60 | 9.16 | 0.91 | 0.90 | 3.62 | 2.38 | 0.538 | 98 | 1.06 | 0.35 | 925 | 0 | 3.25 | 67.9 | 59171 |
| | 7 | 29.97 | 30.27 | 10.40 | 8.32 | 1.00 | 0.79 | 3.48 | 2.34 | 0.525 | 95 | 0.97 | 0.58 | 893 | 4.15 | 3.49 | 67.5 | 59172 |
| | 8 | 25.91 | 29.74 | 7.54 | 8.87 | 0.72 | 0.93 | 3.09 | 2.49 | 0.491 | 93 | 1.05 | 0.77 | 874 | 0 | 4.41 | 72.2 | 59173 |
| | 9 | 22.71 | 27.50 | 6.73 | 7.23 | 0.59 | 0.85 | 2.47 | 1.89 | 0.371 | 95 | 1.16 | 0.91 | 866 | 2.49 | 5.08 | 74.6 | 59174 |
| | 10 | 28.98 | 28.15 | 7.96 | 7.62 | 0.74 | 0.82 | 2.45 | 1.68 | 0.401 | 73 | 0.67 | 0.94 | 855 | 0 | 5.25 | 74.0 | 59175 |
| | 11 | 27.72 | 28.94 | 7.23 | 7.90 | 0.75 | 0.73 | 2.36 | 1.79 | 0.429 | 76 | 0.82 | 1.12 | 854 | 10.68 | 6.07 | 74.6 | 59176 |
| | 12 | 25.23 | 28.22 | 7.22 | 7.30 | 0.56 | 1.00 | 2.54 | 1.88 | 0.403 | 85 | 0.55 | 1.03 | 847 | 9.97 | 6.07 | 73.3 | 59177 |
| | 13 | 27.41 | 28.46 | 8.07 | 8.87 | 0.63 | 0.88 | 2.60 | 2.04 | 0.413 | 87 | 0.89 | 0.88 | 871 | 9.21 | 5.23 | 71.1 | 59178 |
| 8 | 0 | 28.99 | 29.52 | 7.03 | 7.66 | 0.65 | 0.98 | 1.84 | 2.37 | 0.425 | 76 | 1.64 | 1.56 | 878 | 6.34 | 4.28 | 67.1 | 59179 |
| | 1 | 28.40 | 28.12 | 7.58 | 7.87 | 0.75 | 0.83 | 2.80 | 2.15 | 0.410 | 70 | 1.82 | 1.57 | 854 | 7.71 | 4.49 | 63.3 | 59180 |
| | 2 | 28.08 | 26.87 | 7.33 | 7.94 | 0.76 | 0.85 | 2.41 | 2.14 | 0.395 | 73 | 1.52 | 1.46 | 846 | 7.15 | 4.86 | 69.8 | 59181 |
| | 3 | 26.99 | 26.98 | 7.58 | 7.82 | 0.68 | 0.90 | 2.87 | 1.98 | 0.399 | 70 | 1.54 | 1.63 | 856 | 4.93 | 5.03 | 70.4 | 59182 |
| | 4 | 28.53 | 29.31 | 7.72 | 8.53 | 0.78 | 0.68 | 2.62 | 1.77 | 0.437 | 74 | 1.58 | 1.53 | 851 | 7.79 | 4.71 | 70.5 | 59183 |
| 9 | 0 | 22.81 | 23.99 | 7.08 | 6.52 | 0.72 | 1.11 | 1.92 | 1.29 | 0.346 | 62 | 1.42 | 0.95 | 764 | 7.70 | 4.60 | 78.7 | 59184 |
| | 1 | 22.97 | 26.43 | 7.50 | 8.17 | 0.74 | 1.18 | 2.71 | 1.65 | 0.370 | 68 | 1.10 | 1.37 | 780 | 8.13 | 4.67 | 77.6 | 59185 |
| | 2 | 24.02 | 26.23 | 7.31 | 7.79 | 0.78 | 1.05 | 2.33 | 1.80 | 0.381 | 87 | 1.10 | 1.61 | 810 | 7.79 | 5.17 | 76.1 | 59186 |
| | 3 | 23.44 | 26.45 | 6.89 | 8.46 | 0.74 | 1.18 | 2.09 | 1.56 | 0.386 | 81 | 0.90 | 1.44 | 737 | 8.41 | 5.12 | 75.2 | 59187 |
| | 4 | 25.82 | 26.13 | 8.23 | 7.25 | 0.95 | 1.12 | 2.49 | 1.63 | 0.370 | 78 | 1.12 | 1.56 | 801 | 7.92 | 5.07 | 75.5 | 59188 |
| | 5 | 24.43 | 18.20 | 7.83 | 4.79 | 0.84 | 0.59 | 2.58 | 1.05 | 0.228 | 56 | 1.01 | 1.45 | 811 | 9.16 | 5.26 | 75.7 | 59189 |
| | 6 | 24.91 | 25.07 | 11.00 | 8.44 | 0.88 | 1.25 | 2.55 | 1.95 | 0.371 | 68 | 1.19 | 1.49 | 837 | 7.88 | 4.93 | 75.7 | 59190 |
| 10 | 0 | 30.83 | 28.63 | 7.39 | 5.97 | 0.79 | 0.53 | 2.15 | 1.16 | 0.368 | 58 | 1.13 | 1.57 | 876 | 7.03 | 7.73 | 71.7 | 59195 |
| | 1 | 29.04 | 31.31 | 5.93 | 6.73 | 0.60 | 0.67 | 1.57 | 1.42 | 0.423 | 58 | 1.33 | 1.60 | 900 | 1.78 | 8.30 | 71.0 | 59196 |
| | 2 | 31.11 | 26.44 | 6.50 | 6.63 | 0.62 | 0.56 | 1.85 | 0.94 | 0.353 | 60 | 1.32 | 1.60 | 901 | 5.97 | 7.01 | 63.5 | 59197 |
| | 3 | 28.24 | 29.39 | 6.64 | 6.06 | 0.64 | 0.70 | 1.91 | 0.69 | 0.345 | 62 | 1.33 | 2.07 | 891 | 7.07 | 6.66 | 64.6 | 59198 |
| | 4 | 30.18 | 29.02 | 6.74 | 7.16 | 0.71 | 0.55 | 1.68 | 1.00 | 0.405 | 59 | 0.92 | 2.70 | 898 | 0 | 7.50 | 58.1 | 59199 |
| | 5 | 32.38 | 30.88 | 8.23 | 6.69 | 0.85 | 0.60 | 1.85 | 1.38 | 0.394 | 59 | 1.33 | 2.28 | 905 | 13.18 | 8.19 | 62.9 | 59200 |
| | 6 | 27.37 | 24.40 | 6.23 | 6.12 | 0.62 | 1.00 | 2.07 | 1.68 | 0.574 | 64 | 0.82 | 2.12 | 892 | 1.94 | 7.53 | 62.6 | 59201 |
| 12 | 0 | 30.73 | 24.27 | 5.47 | 5.71 | 0.71 | 0.80 | 2.13 | 1.77 | 0.610 | 60 | 2.22 | 2.24 | 875 | 3.58 | 5.51 | 57.1 | 59202 |
| | 1 | 28.63 | 28.39 | 5.40 | 6.01 | 0.54 | 0.84 | 1.90 | 1.45 | 0.648 | 51 | 1.35 | 2.27 | 889 | 0.67 | 7.22 | 58.8 | 59203 |
| | 2 | 30.94 | 28.66 | 6.19 | 5.63 | 0.67 | 0.93 | 2.14 | 1.75 | 0.606 | 71 | 2.42 | 2.25 | 890 | 4.42 | 6.41 | 60.2 | 59204 |
| | 3 | 21.99 | 28.30 | 5.27 | 5.39 | 0.57 | 1.07 | 1.67 | 1.79 | 0.512 | 67 | 1.69 | 3.24 | 892 | 3.33 | 7.23 | 62.3 | 59205 |
| | 4 | 22.86 | 38.17 | 5.72 | 6.71 | 0.60 | 0.95 | 1.75 | 1.81 | 0.578 | 71 | 1.61 | 3.20 | 872 | 2.25 | 6.56 | 67.1 | 59206 |

| Core | Depth | $Si_R$ | $Si_T$ | $Al_R$ | $Al_T$ | $Mg_R$ | $Mg_T$ | $K_R$ | $K_T$ | $Ti_T$ | $Li_T$ | $Cd_T$ | $Hg_T$ | Residue | $CaCO_3$ | $C_{org}$ | Water | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | % | % | % | % | % | % | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | mg | % | % | % | |
| 12 | 5 | 23.50 | 37.65 | 6.43 | 6.97 | 0.56 | 1.00 | 1.59 | 1.97 | 0.544 | 80 | 1.47 | 3.00 | 879 | 2.08 | 6.74 | 68.6 | 59207 |
| | 6 | 27.75 | 36.30 | 6.98 | 6.89 | 0.70 | 1.01 | 2.17 | 1.63 | 0.514 | 76 | 1.31 | 2.62 | 870 | 1.58 | 7.14 | 68.5 | 59208 |
| | 7 | 25.40 | 36.19 | 5.62 | 7.17 | 0.57 | 1.05 | 1.65 | 1.76 | 0.578 | 69 | 1.32 | 3.14 | 881 | 2.67 | 7.30 | 68.3 | 59209 |
| | 8 | 26.05 | 34.97 | 5.81 | 6.20 | 0.52 | 0.86 | 1.68 | 1.62 | 0.467 | 66 | 3.32 | 2.90 | 892 | 0 | 7.15 | 65.6 | 59210 |
| | 9 | 24.81 | 30.52 | 5.50 | 5.78 | 0.52 | 0.77 | 1.70 | 1.47 | 0.459 | 68 | 1.34 | 2.50 | 874 | 2.33 | 7.30 | 64.8 | 59211 |
| | 10 | 29.90 | 33.27 | 6.91 | 6.17 | 0.58 | 0.82 | 2.06 | 1.53 | 0.451 | 69 | 1.22 | 3.33 | 885 | 6.50 | 7.01 | 62.1 | 59212 |
| 16 | 0 | 21.34 | 28.53 | 6.59 | 8.89 | 0.73 | 1.17 | 2.08 | 2.26 | 0.621 | 67 | 0.55 | 0.79 | 878 | 7.05 | 4.63 | 71.5 | 59226 |
| | 1 | 24.02 | 27.82 | 6.30 | 8.26 | 0.72 | 1.02 | 2.06 | 2.54 | 0.627 | 64 | 0.63 | 0.82 | 873 | 4.35 | 4.24 | 70.3 | 59227 |
| | 2 | 33.86 | 40.90 | 8.94 | 8.17 | 1.07 | 0.99 | 3.44 | 2.40 | 0.582 | 72 | 0.55 | 0.91 | 871 | 7.33 | 4.04 | 78.0 | 59228 |
| | 3 | 24.76 | 40.83 | 6.23 | 7.96 | 0.70 | 0.95 | 1.96 | 2.37 | 0.511 | 65 | 0.87 | 0.89 | 861 | 4.55 | 4.24 | 70.8 | 59229 |
| | 4 | 23.67 | 40.50 | 6.35 | 9.32 | 0.64 | 0.97 | 1.93 | 2.68 | 0.454 | 71 | 0.55 | 0.85 | 870 | 4.21 | 4.33 | 70.5 | 59230 |
| | 5 | 29.93 | 40.79 | 7.88 | 9.18 | 0.87 | 1.02 | 2.40 | 2.64 | 0.484 | 63 | 0.69 | 0.93 | 882 | 6.54 | 4.34 | 69.0 | 59231 |
| | 6 | 29.33 | 39.35 | 8.14 | 8.68 | 0.85 | 1.07 | 2.85 | 2.51 | 0.455 | 64 | 0.73 | 0.96 | 864 | 4.93 | 4.63 | 69.3 | 59232 |
| | 7 | 28.62 | 29.52 | 9.02 | 9.51 | 0.82 | 0.88 | 2.92 | 2.48 | 0.531 | 78 | 1.02 | 1.12 | 867 | 2.70 | 4.68 | 69.0 | 59233 |
| | 8 | 29.78 | 28.72 | 8.89 | 10.20 | 0.83 | 1.05 | 2.61 | 2.20 | 0.492 | 83 | 0.74 | 1.21 | 875 | 3.57 | 4.89 | 66.6 | 59234 |
| | 9 | 25.68 | 26.81 | 9.10 | 11.50 | 0.60 | 1.26 | 2.11 | 1.40 | 1.004 | 62 | 0.84 | 1.21 | 882 | 7.71 | 5.18 | 68.0 | 59235 |
| | 10 | 24.68 | 27.71 | 9.40 | 10.30 | 0.61 | 0.99 | 2.45 | 2.18 | 0.496 | 80 | 0.70 | 1.17 | 861 | 6.37 | 4.59 | 64.5 | 59236 |
| | 11 | 28.73 | 27.86 | 10.5 | 9.45 | 0.73 | 0.80 | 2.41 | 2.12 | 0.479 | 83 | 0.69 | 1.15 | 881 | 4.57 | 5.00 | 62.7 | 59237 |
| | 12 | 29.85 | 26.77 | 10.30 | 9.67 | 0.69 | 1.03 | 2.33 | 1.86 | 0.504 | 68 | 0.50 | 1.02 | 890 | 16.27 | 5.75 | 64.9 | 59238 |
| | 13 | 28.88 | 27.65 | 10.00 | 10.50 | 0.66 | 0.96 | 2.53 | 2.25 | 0.493 | 68 | 0.46 | 0.90 | 875 | 6.80 | 4.49 | 63.1 | 59239 |
| | 14 | 28.65 | 32.89 | 10.40 | 9.06 | 0.69 | 0.95 | 2.19 | 1.99 | 0.440 | 66 | 0.44 | 0.94 | 867 | 9.23 | 4.09 | 62.3 | 59240 |
| | 15 | 28.53 | 34.31 | 9.87 | 12.00 | 0.55 | 1.01 | 2.28 | 2.09 | 0.439 | 66 | 0.76 | 1.89 | 886 | 6.89 | 4.54 | 63.2 | 59241 |
| | 20 | 20.81 | 26.35 | 5.05 | 6.88 | 0.56 | 0.87 | 1.82 | 2.11 | 0.446 | 59 | 0.47 | 1.10 | 882 | 8.56 | 5.15 | 63.0 | 59242 |
| | 25 | 23.90 | 25.90 | 5.66 | 7.90 | 0.60 | 0.87 | 2.05 | 2.50 | 0.399 | 69 | 0.81 | 1.17 | 892 | 6.35 | 4.69 | 60.2 | 59243 |
| | 30 | 35.98 | 29.57 | 8.94 | 7.33 | 0.96 | 0.87 | 3.67 | 2.62 | 0.568 | 66 | 0.37 | 0.77 | 858 | 7.68 | 3.55 | 59.4 | 59244 |
| | 35 | 25.53 | 29.11 | 6.11 | 7.28 | 0.64 | 0.85 | 2.11 | 2.67 | 0.513 | 68 | 0.29 | 0.59 | 883 | 7.57 | 3.14 | 56.5 | 59245 |
| | 40 | 26.78 | 27.61 | 6.46 | 6.93 | 0.73 | 0.97 | 2.13 | 2.14 | 0.511 | 65 | 0.31 | 0.44 | 857 | 4.95 | 3.43 | 56.9 | 59246 |
| | 45 | 27.42 | 28.20 | 6.66 | 6.73 | 0.70 | 0.87 | 2.45 | 2.63 | 0.485 | 64 | 0.30 | 0.21 | 849 | 4.19 | 3.40 | 55.6 | 59247 |
| 18 | 0 | 26.89 | 32.87 | 6.47 | 6.94 | 0.65 | 1.07 | 1.87 | 2.08 | 0.542 | 73 | 0.63 | 1.18 | 872 | 6.21 | 4.15 | 72.7 | 59213 |
| | 1 | 27.59 | 32.34 | 6.45 | 7.60 | 0.68 | 1.14 | 2.03 | 2.22 | 0.583 | 76 | 0.55 | 1.26 | 864 | 4.72 | 4.28 | 72.0 | 59214 |
| | 2 | 25.95 | 29.44 | 5.76 | 8.55 | 0.71 | 1.12 | 2.10 | 2.15 | 0.594 | 71 | 0.78 | 1.07 | 881 | 5.37 | 4.59 | 70.4 | 59215 |
| | 3 | 27.97 | 30.44 | 7.50 | 8.48 | 0.74 | 1.09 | 2.82 | 2.10 | 0.632 | 64 | 0.65 | 0.93 | 867 | 5.62 | 3.93 | 71.6 | 59216 |
| | 4 | 24.04 | 29.88 | 5.87 | 8.82 | 0.68 | 1.01 | 2.17 | 2.05 | 0.569 | 70 | 0.66 | 0.86 | 866 | 6.61 | 3.80 | 70.0 | 59217 |
| | 5 | 23.13 | 32.67 | 5.92 | 8.32 | 0.67 | 1.23 | 1.92 | 2.13 | 0.593 | 66 | 0.51 | 0.90 | 873 | 7.16 | 4.29 | 71.7 | 59218 |
| | 6 | 29.14 | 33.83 | 6.94 | 8.45 | 0.84 | 1.22 | 2.82 | 2.16 | 0.623 | 65 | 0.62 | 0.80 | 879 | 6.70 | 4.14 | 70.2 | 59219 |
| | 7 | 22.81 | 34.62 | 5.80 | 8.31 | 0.63 | 1.16 | 2.81 | 2.12 | 0.629 | 72 | 0.66 | 0.83 | 874 | 5.40 | 4.09 | 70.5 | 59220 |
| | 8 | 25.50 | 35.12 | 7.12 | 8.73 | 0.67 | 1.25 | 2.65 | 2.10 | 0.558 | 68 | 0.61 | 0.82 | 873 | 5.35 | 4.06 | 70.3 | 59221 |
| | 9 | 24.38 | 35.49 | 5.69 | 8.51 | 0.71 | 1.22 | 1.93 | 2.17 | 0.611 | 71 | 0.69 | 0.80 | 881 | 3.10 | 4.16 | 67.9 | 59222 |
| | 10 | 30.04 | 34.87 | 6.97 | 8.05 | 0.84 | 1.23 | 2.75 | 2.23 | 0.554 | 71 | 0.89 | 0.89 | 885 | 5.51 | 4.67 | 69.3 | 59223 |
| | 11 | 26.35 | 28.91 | 6.81 | 8.88 | 0.73 | 0.96 | 2.18 | 2.25 | 0.685 | 77 | 0.88 | 1.08 | 888 | 3.98 | 4.26 | 67.7 | 59224 |
| | 12 | 29.71 | 28.25 | 8.72 | 8.18 | 0.61 | 0.99 | 2.58 | 2.33 | 0.600 | 66 | 0.84 | 1.14 | 863 | 8.15 | 4.51 | 67.1 | 59225 |
| 19 | 0 | 23.10 | 26.32 | 6.07 | 6.84 | 0.44 | 0.80 | 2.24 | 1.80 | 0.605 | 54 | 0.73 | 0.94 | 811 | 16.46 | 6.03 | 57.8 | 59248 |
| | 1 | 23.41 | 31.68 | 5.13 | 7.00 | 0.47 | 0.76 | 1.81 | 1.79 | 0.444 | 52 | 0.83 | 0.94 | 881 | 8.69 | 5.51 | 59.1 | 59249 |
| | 2 | 28.70 | 34.39 | 8.79 | 8.23 | 0.75 | 0.83 | 3.20 | 2.22 | 0.543 | 61 | 0.89 | 1.11 | 887 | 8.65 | 4.62 | 59.7 | 59250 |
| | 3 | 23.85 | 29.77 | 5.71 | 6.25 | 0.51 | 0.62 | 1.66 | 1.60 | 0.358 | 54 | 0.67 | 0.74 | 860 | 10.52 | 5.23 | 57.6 | 59251 |
| | 4 | 24.70 | 27.78 | 6.19 | 5.90 | 0.49 | 0.56 | 1.46 | 1.56 | 0.323 | 52 | 0.79 | 0.80 | 874 | 0 | 5.96 | 59.9 | 59252 |
| | 5 | 25.15 | 26.61 | 5.72 | 6.38 | 0.47 | 0.69 | 1.60 | 1.73 | 0.312 | 38 | 0.46 | 0.77 | 878 | 9.89 | 5.79 | 58.4 | 59253 |
| | 6 | 26.58 | 32.52 | 5.76 | 6.23 | 0.54 | 0.77 | 1.48 | 1.78 | 0.412 | 37 | 0.54 | 0.58 | 893 | 6.53 | 4.62 | 58.9 | 59254 |
| | 7 | 27.19 | 33.96 | 6.11 | 6.23 | 0.60 | 0.80 | 1.91 | 1.90 | 0.331 | 36 | 0.59 | 0.61 | 896 | 2.16 | 4.43 | 60.4 | 59255 |
| | 8 | 27.33 | 32.66 | 5.76 | 6.15 | 0.55 | 0.79 | 1.75 | 1.87 | 0.372 | 37 | 0.40 | 0.62 | 885 | 3.07 | 4.26 | 56.8 | 59256 |
| | 9 | 26.03 | 30.93 | 5.82 | 6.86 | 0.52 | 0.77 | 1.65 | 2.04 | 0.336 | 44 | 0.98 | 0.64 | 882 | 6.48 | 4.59 | 58.5 | 59257 |

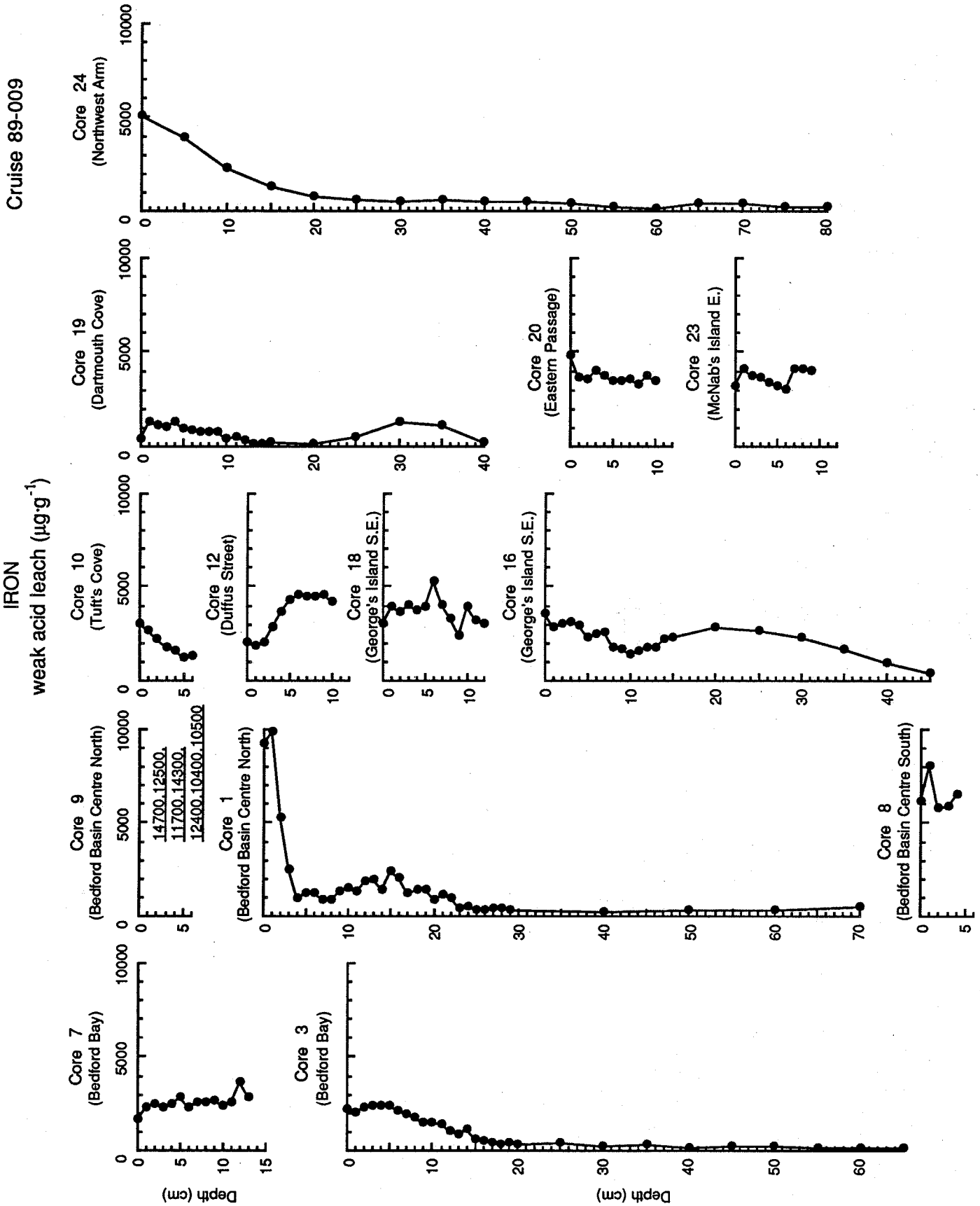
| Core | Depth | $Si_R$ | $Si_T$ | $Al_R$ | $Al_T$ | $Mg_R$ | $Mg_T$ | $K_R$ | $K_T$ | $Ti_T$ | $Li_T$ | $Cd_T$ | $Hg_T$ | Residue | $CaCO_3$ | $C_{org}$ | Water | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | % | % | % | % | % | % | $\mu gg^{-1}$ | $\mu gg^{-1}$ | $\mu gg^{-1}$ | mg | % | % | % | |
| 19 | 10 | 26.22 | 29.49 | 6.29 | 6.72 | 0.58 | 0.87 | 1.74 | 2.05 | 0.336 | 32 | 0.71 | 0.29 | 893 | 2.34 | 4.13 | 55.8 | 59258 |
| | 11 | 27.75 | 28.39 | 6.67 | 6.15 | 0.62 | 0.82 | 1.71 | 2.04 | 0.359 | 41 | 0.87 | 0.34 | 908 | 4.28 | 4.14 | 58.1 | 59259 |
| | 12 | 28.85 | 28.24 | 6.57 | 8.39 | 0.53 | 0.98 | 2.08 | 2.23 | 0.462 | 85 | 0.77 | 0.20 | 886 | 4.81 | 4.27 | 57.9 | 59260 |
| | 13 | 26.26 | 27.08 | 5.61 | 9.61 | 0.58 | 1.30 | 1.71 | 2.50 | 0.521 | 45 | 0.68 | 0.06 | 869 | 6.85 | 3.88 | 54.2 | 59261 |
| | 14 | 25.87 | 27.55 | 6.40 | 7.80 | 0.62 | 0.89 | 2.07 | 2.47 | 0.344 | 64 | 0.79 | 0.11 | 861 | 4.75 | 4.12 | 59.9 | 59262 |
| | 15 | 28.09 | 27.00 | 6.11 | 7.35 | 0.62 | 0.88 | 1.79 | 2.12 | 0.375 | 42 | 0.64 | 0.15 | 879 | 5.14 | 3.77 | 61.3 | 59263 |
| | 20 | 26.57 | 25.94 | 5.78 | 8.98 | 0.66 | 0.99 | 1.83 | 2.48 | 0.363 | 61 | 0.91 | 0.08 | 884 | 5.74 | 4.17 | 65.2 | 59264 |
| | 25 | 26.06 | 24.95 | 5.33 | 9.22 | 0.66 | 0.90 | 2.00 | 2.45 | 0.336 | 61 | 1.22 | 0.73 | 880 | 4.95 | 4.18 | 66.1 | 59265 |
| | 30 | 28.73 | 24.70 | 5.70 | 7.45 | 0.62 | 0.81 | 1.97 | 1.89 | 0.329 | 51 | 1.11 | 2.42 | 886 | 9.25 | 5.89 | 56.5 | 59266 |
| | 35 | 26.60 | 24.53 | 5.76 | 7.45 | 0.57 | 0.77 | 1.74 | 2.09 | 0.332 | 45 | 0.86 | 2.12 | 902 | 3.60 | 5.77 | 61.1 | 59267 |
| | 40 | 25.40 | 25.06 | 6.68 | 8.87 | 0.71 | 0.90 | 1.95 | 2.61 | 0.368 | 42 | 0.91 | 0.13 | 891 | 5.21 | 5.19 | 64.7 | 59268 |
| 20 | 0 | 27.70 | 28.41 | 6.34 | 8.05 | 0.74 | 0.97 | 2.09 | 2.49 | 0.469 | 37 | 0.69 | 0.46 | 869 | 3.92 | 3.00 | 71.2 | 46701 |
| | 1 | 26.11 | 31.21 | 6.18 | 8.27 | 0.70 | 0.91 | 2.12 | 2.58 | 0.534 | 43 | 0.53 | 0.43 | 877 | 3.92 | 3.35 | 71.9 | 46702 |
| | 2 | 25.39 | 31.49 | 6.33 | 8.19 | 0.75 | 0.84 | 1.84 | 2.72 | 0.577 | 40 | 0.74 | 0.43 | 873 | 3.67 | 3.45 | 71.7 | 46703 |
| | 3 | 24.94 | 29.14 | 5.75 | 8.27 | 0.83 | 0.98 | 2.10 | 2.50 | 0.479 | 46 | 0.60 | 0.47 | 863 | 3.83 | 3.25 | 69.6 | 46704 |
| | 4 | 22.46 | 29.44 | 5.89 | 8.44 | 0.82 | 1.02 | 1.78 | 2.71 | 0.521 | 44 | 0.79 | 0.42 | 880 | 3.67 | 3.47 | 72.3 | 46705 |
| | 5 | 25.51 | 29.68 | 6.38 | 8.27 | 0.77 | 0.97 | 1.93 | 2.39 | 0.517 | 51 | 0.42 | 0.43 | 866 | 3.58 | 3.19 | 70.6 | 46706 |
| | 6 | 23.23 | 30.07 | 5.70 | 7.96 | 0.68 | 0.90 | 1.74 | 2.45 | 0.534 | 42 | 0.71 | 0.41 | 878 | 3.83 | 3.26 | 70.5 | 46707 |
| | 7 | 25.33 | 33.33 | 5.44 | 8.47 | 0.71 | 0.93 | 1.49 | 2.60 | 0.386 | 74 | 0.43 | 0.46 | 874 | 3.08 | 2.99 | 65.4 | 46708 |
| | 8 | 26.93 | 32.28 | 5.69 | 8.52 | 0.77 | 0.95 | 1.64 | 2.42 | 0.481 | 58 | 0 | 0.40 | 875 | 3.42 | 3.06 | 69.3 | 46709 |
| | 9 | 26.69 | 32.84 | 6.83 | 8.63 | 0.78 | 0.96 | 1.75 | 2.59 | 0.480 | 50 | 0.48 | 0.35 | 869 | 5.58 | 3.29 | 67.1 | 46710 |
| | 10 | 28.68 | 32.44 | 6.57 | 7.66 | 0.73 | 0.78 | 1.68 | 2.24 | 0.509 | 51 | 0.61 | 0.32 | 892 | 3.50 | 3.06 | 67.1 | 46711 |
| 23 | 0 | 28.11 | 32.62 | 5.78 | 7.13 | 0.58 | 0.77 | 1.38 | 2.14 | 0.518 | 46 | 0.29 | 0.28 | 864 | 5.17 | 2.87 | 68.0 | 46712 |
| | 1 | 27.58 | 32.91 | 5.92 | 7.65 | 0.60 | 0.75 | 1.34 | 2.47 | 0.381 | 45 | 0.35 | 0.26 | 864 | 4.92 | 2.88 | 69.0 | 46713 |
| | 2 | 25.74 | 30.92 | 5.74 | 7.76 | 0.59 | 0.86 | 1.38 | 2.38 | 0.336 | 42 | 0.37 | 0.26 | 857 | 3.92 | 2.78 | 65.8 | 46714 |
| | 3 | 27.21 | 27.54 | 7.40 | 7.82 | 0.60 | 0.92 | 1.75 | 2.26 | 0.313 | 46 | 0.39 | 0.32 | 858 | 4.83 | 2.72 | 66.6 | 46715 |
| | 4 | 34.58 | 29.84 | 7.55 | 7.60 | 0.74 | 0.82 | 1.96 | 1.95 | 0.320 | 40 | 0.40 | 0.27 | 860 | 5.08 | 2.43 | 62.7 | 46716 |
| | 5 | 28.29 | 27.77 | 5.08 | 7.36 | 0.66 | 0.78 | 1.66 | 2.05 | 0.475 | 88 | 0.46 | 0.24 | 876 | 4.33 | 2.57 | 62.4 | 46717 |
| | 6 | 29.04 | 27.99 | 4.92 | 6.46 | 0.65 | 0.64 | 1.41 | 1.83 | 0.449 | 49 | 0.46 | 0.21 | 864 | 4.08 | 2.56 | 63.4 | 46718 |
| | 7 | 26.35 | 25.88 | 4.63 | 6.37 | 0.66 | 0.57 | 1.36 | 1.78 | 0.369 | 48 | 0.37 | 0.26 | 863 | 5.00 | 2.51 | 62.8 | 46719 |
| | 8 | 28.92 | 26.33 | 4.66 | 7.78 | 0.69 | 0.89 | 1.51 | 1.97 | 0.355 | 38 | 0.45 | 0.28 | 875 | 4.17 | 2.55 | 65.6 | 46720 |
| | 9 | 28.71 | 26.23 | 4.81 | 6.86 | 0.72 | 0.81 | 1.57 | 1.78 | 0.330 | 48 | 0.31 | 0.21 | 869 | 4.58 | 2.53 | 63.1 | 46721 |
| 24 | 0 | 22.49 | 21.85 | 5.28 | 8.00 | 0.69 | 0.88 | 1.66 | 2.08 | 0.303 | 56 | 0.97 | 1.18 | 841 | 4.67 | 6.08 | 77.1 | 46724 |
| | 5 | 22.99 | 22.26 | 5.89 | 8.41 | 0.73 | 0.91 | 1.71 | 2.20 | 0.338 | 48 | 1.14 | 1.25 | 857 | 4.42 | 5.51 | 76.9 | 46725 |
| | 10 | 23.68 | 26.83 | 6.04 | 8.67 | 0.76 | 0.91 | 1.87 | 2.51 | 0.346 | 147 | 1.05 | 1.04 | 877 | 6.75 | 4.40 | 70.8 | 46726 |
| | 15 | 23.75 | 25.83 | 5.79 | 7.13 | 0.70 | 0.78 | 1.92 | 2.41 | 0.268 | 99 | 0.69 | 0.40 | 866 | 4.33 | 4.01 | 71.4 | 46727 |
| | 20 | 22.69 | 28.15 | 5.15 | 7.76 | 0.64 | 0.88 | 1.77 | 2.65 | 0.410 | 91 | 0.74 | 0.14 | 863 | 2.75 | 3.97 | 71.6 | 46728 |
| | 25 | 24.52 | 24.79 | 6.83 | 6.54 | 0.73 | 0.79 | 2.60 | 2.43 | 0.387 | 95 | 0.95 | 0.05 | 877 | 2.25 | 4.05 | 70.8 | 46729 |
| | 30 | 23.40 | 27.11 | 5.41 | 7.28 | 0.72 | 1.21 | 1.93 | 2.50 | 0.445 | 88 | 0.95 | 0.06 | 842 | 2.75 | 4.56 | 71.1 | 46730 |
| | 35 | 25.63 | 26.67 | 5.76 | 7.23 | 0.80 | 1.04 | 2.02 | 2.60 | 0.321 | 74 | 1.11 | 0.05 | 874 | 2.67 | 4.60 | 74.0 | 46731 |
| | 40 | 24.01 | 26.15 | 5.66 | 7.09 | 0.72 | 1.07 | 1.85 | 2.60 | 0.341 | 76 | 1.07 | 0.06 | 851 | 2.75 | 4.71 | 71.0 | 46732 |
| | 45 | 24.05 | 24.77 | 6.31 | 6.92 | 0.75 | 0.99 | 1.76 | 2.62 | 0.328 | 55 | 1.36 | 0.06 | 836 | 3.00 | 4.96 | 70.3 | 46733 |
| | 50 | 23.84 | 24.88 | 7.21 | 7.08 | 0.76 | 1.11 | 1.98 | 2.41 | 0.336 | 83 | 1.16 | 0.03 | 848 | 3.75 | 4.90 | 70.1 | 46734 |
| | 55 | 22.24 | 27.56 | 5.60 | 7.70 | 0.72 | 1.14 | 1.62 | 2.81 | 0.354 | 106 | 0.98 | 0.02 | 790 | 3.83 | 4.53 | 67.7 | 46735 |
| | 60 | 22.22 | 28.19 | 5.56 | 7.91 | 0.72 | 1.14 | 1.62 | 3.07 | 0.409 | 83 | 0.92 | 0 | 792 | 7.42 | 4.33 | 65.3 | 46736 |
| | 65 | 23.66 | 27.63 | 5.90 | 7.65 | 0.73 | 1.10 | 1.52 | 2.83 | 0.406 | 89 | 0.98 | 0.01 | 865 | 4.17 | 4.52 | 67.4 | 46737 |
| | 70 | 22.52 | 27.19 | 5.95 | 7.60 | 0.77 | 1.08 | 1.61 | 2.77 | 0.453 | 50 | 0.98 | 0 | 868 | 3.83 | 4.75 | 67.8 | 46738 |
| | 75 | 23.30 | 27.39 | 5.76 | 7.28 | 0.70 | 1.16 | 1.64 | 3.08 | 0.466 | 83 | 1.00 | 0.01 | 818 | 4.08 | 4.72 | 68.7 | 46739 |
| | 80 | 21.61 | 27.11 | 5.27 | 7.78 | 0.62 | 1.17 | 1.57 | 3.14 | 0.407 | 74 | 1.03 | 0 | 779 | 3.25 | 4.72 | 69.0 | 46740 |

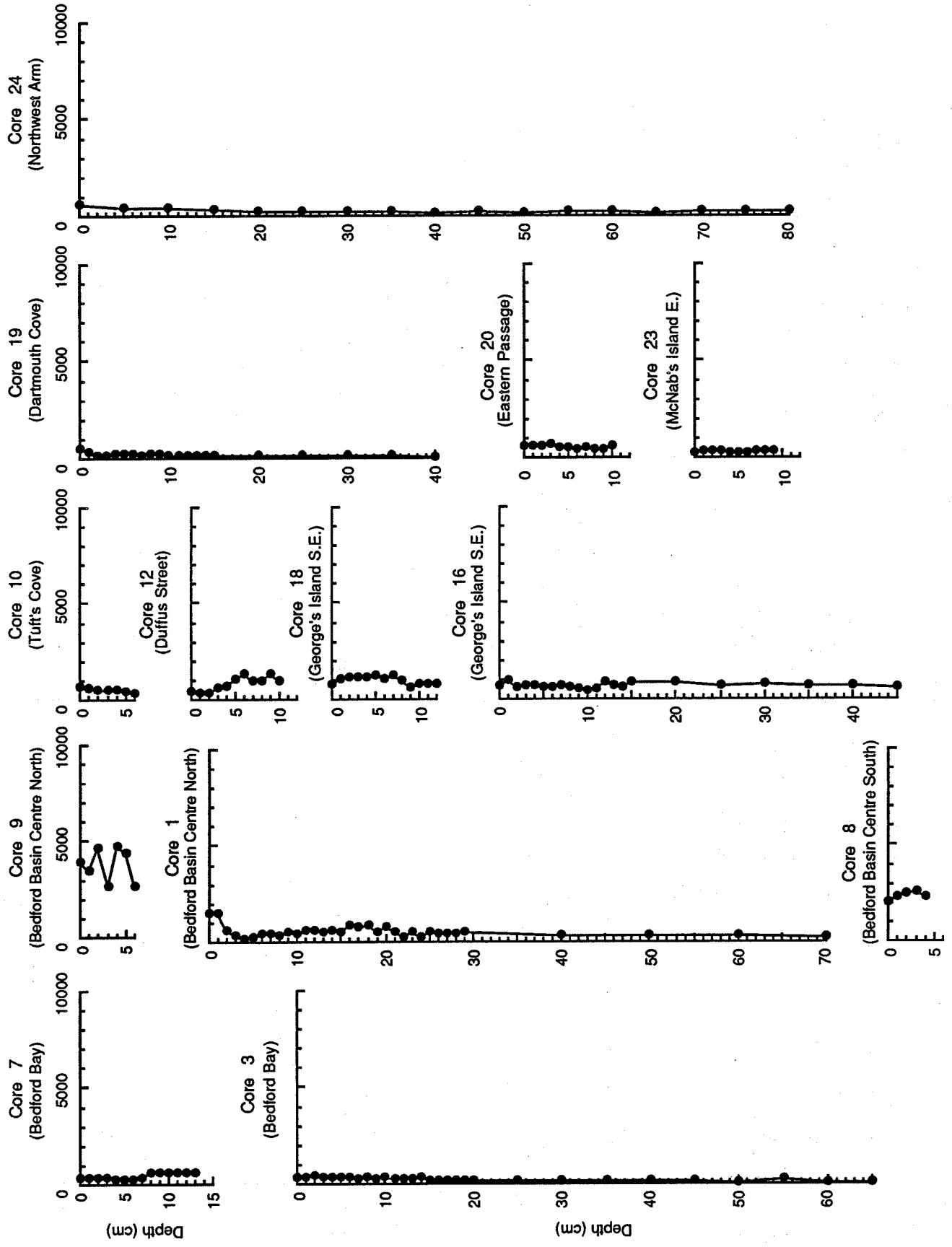
| Core | Depth | Sand | Silt | Clay | Mean-grain-size | | Kurt-osis | Skew-ness | $pH_{pw}$ | $pH_{sed}$ | $p_{e_{pw}}$ | $NH_4^+$ | $PO_4^{3-}$ | $SiO_{2pw}$ | $SO_4^{2-}$ | $Alk_{pw}$ | $Fe_{pw}$ | $Mn_{pw}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | µm | phi | | | -lg N | -lg N | -lg M | mM | µM | µM | mM | mN | µM | µM | |
| 1 | 0 | 1.25 | 46.42 | 52.33 | 3.88 | 8.01 ±1.57 | 2.87 | -0.49 | 6.89 | 5.92 | 3.6 | 0.13 | 59 | 307 | 26.5 | 2.7 | 204 | 17.5 | 59101 |
| | 1 | 2.30 | 45.83 | 51.87 | 4.02 | 7.96 ±1.68 | 2.77 | -0.53 | 7.00 | 6.21 | 1.8 | 0.13 | 63 | 310 | 26.8 | 2.7 | 201 | 19.5 | 59102 |
| | 2 | 1.85 | 52.82 | 45.33 | 4.61 | 7.76 ±1.72 | 2.38 | -0.29 | 7.00 | 6.33 | 1.9 | 0.13 | 75 | 309 | 27.2 | 3.0 | 298 | 19.7 | 59103 |
| | 3 | 1.46 | 53.62 | 44.91 | 4.94 | 7.66 ±1.70 | 2.34 | -0.28 | 7.28 | 6.42 | 0.6 | 0.13 | 68 | 285 | 27.3 | 2.8 | 227 | 16.2 | 59104 |
| | 4 | 1.92 | 51.26 | 46.83 | 4.81 | 7.70 ±1.79 | 2.27 | -0.36 | 7.28 | 6.51 | 1.4 | 0.10 | 29 | 218 | 27.4 | 2.7 | 96 | 9.8 | 59105 |
| | 5 | 2.09 | 48.10 | 49.82 | 4.36 | 7.84 ±1.65 | 2.70 | -0.48 | 7.39 | 6.47 | 0.9 | 0.05 | 24 | 196 | 27.3 | 2.7 | 48 | 9.1 | 59106 |
| | 6 | 4.37 | 50.89 | 44.74 | 5.30 | 7.56 ±1.84 | 2.33 | -0.41 | 7.23 | 6.55 | 1.1 | 0.07 | 15 | 195 | 27.4 | 2.6 | 37 | 8.4 | 59107 |
| | 7 | 3.47 | 55.86 | 40.67 | 5.72 | 7.45 ±1.75 | 2.40 | -0.29 | 7.28 | 6.62 | 1.3 | 0.06 | 13 | 203 | 27.6 | 2.6 | 30 | 8.6 | 59108 |
| | 8 | 1.40 | 51.31 | 47.29 | 4.49 | 7.80 ±1.63 | 2.55 | -0.37 | 7.39 | 6.64 | 2.7 | 0.05 | 15 | 215 | 27.5 | 2.6 | 26 | 7.9 | 59109 |
| | 9 | 1.61 | 52.80 | 45.59 | 4.68 | 7.74 ±1.65 | 2.48 | -0.30 | 7.23 | 6.70 | 2.4 | 0.05 | 21 | 229 | 27.2 | 2.5 | 49 | 9.8 | 59110 |
| | 10 | 1.78 | 62.42 | 35.80 | 5.92 | 7.40 ±1.57 | 2.62 | -0.16 | 7.28 | 6.74 | 2.7 | 0.04 | 16 | 232 | 26.9 | 2.6 | 34 | 10.7 | 59111 |
| | 11 | 1.39 | 54.84 | 43.76 | 4.74 | 7.72 ±1.51 | 2.82 | -0.31 | 7.23 | 6.73 | 2.2 | 0.05 | 19 | 242 | 27.1 | 2.6 | 57 | 8.5 | 59112 |
| | 12 | 1.43 | 59.77 | 38.81 | 5.34 | 7.55 ±1.49 | 2.76 | -0.20 | 7.17 | 6.73 | 2.6 | 0.04 | 26 | 261 | 27.1 | 2.5 | 72 | 9.2 | 59113 |
| | 13 | 1.43 | 52.86 | 45.71 | 4.46 | 7.81 ±1.47 | 3.16 | -0.45 | 7.17 | 6.74 | 2.1 | 0.05 | 19 | 258 | 27.2 | 2.6 | 69 | 9.1 | 59114 |
| | 14 | 1.65 | 59.91 | 38.44 | 5.52 | 7.50 ±1.53 | 2.74 | -0.23 | 7.23 | 6.72 | 2.4 | 0.05 | 19 | 251 | 26.9 | 2.4 | 79 | 9.0 | 59115 |
| | 15 | 0.82 | 56.67 | 42.50 | 4.81 | 7.70 ±1.42 | 2.83 | -0.20 | 7.11 | 6.77 | 2.5 | 0.03 | 18 | 263 | 27.4 | 2.5 | 83 | 6.8 | 59116 |
| | 16 | 1.31 | 59.39 | 39.30 | 5.26 | 7.57 ±1.51 | 2.69 | -0.16 | 7.11 | 6.74 | 2.1 | 0.04 | 8 | 241 | 27.6 | 2.4 | 64 | 8.1 | 59117 |
| | 17 | 1.77 | 68.24 | 29.99 | 6.75 | 7.21 ±1.51 | 2.69 | -0.03 | 7.23 | 6.78 | 2.6 | 0.03 | 7 | 233 | 27.7 | 2.4 | 65 | 6.0 | 59118 |
| | 18 | 0.84 | 55.40 | 43.76 | 4.71 | 7.73 ±1.47 | 2.76 | -0.27 | 7.23 | 6.73 | 2.2 | 0.02 | 2 | 220 | 27.3 | 2.2 | 40 | 6.4 | 59119 |
| | 19 | 0.99 | 63.74 | 35.26 | 5.92 | 7.40 ±1.49 | 2.63 | -0.07 | 7.23 | 6.75 | 2.3 | 0.02 | 7 | 248 | 27.5 | 2.4 | 48 | 4.8 | 59120 |
| | 20 | 0.33 | 59.74 | 39.93 | 5.08 | 7.62 ±1.43 | 2.65 | -0.12 | 7.23 | 6.89 | 2.8 | 0.02 | 3 | 236 | 27.5 | 2.4 | 31 | 5.0 | 59121 |
| | 21 | 0.71 | 61.40 | 37.89 | 5.34 | 7.55 ±1.42 | 2.78 | -0.09 | 7.45 | 6.78 | 2.3 | 0.04 | 1 | 210 | 27.7 | 2.5 | 14 | 5.2 | 59122 |
| | 22 | 0.76 | 46.23 | 53.01 | 3.59 | 8.12 ±1.36 | 3.29 | -0.37 | 7.39 | 6.75 | 2.5 | 0.04 | 2 | 297 | 27.9 | 2.6 | 8 | 4.8 | 59123 |
| | 23 | 1.63 | 61.14 | 37.24 | 5.68 | 7.46 ±1.54 | 2.63 | -0.08 | 7.45 | 6.74 | 2.8 | 0.08 | 5 | 344 | 25.8 | 2.9 | 3 | 6.0 | 59124 |
| | 24 | 0.77 | 62.42 | 36.81 | 5.41 | 7.53 ±1.43 | 2.75 | -0.02 | 7.34 | 6.77 | 2.8 | 0.07 | 7 | 388 | 26.7 | 2.8 | 3 | 5.8 | 59125 |
| | 25 | 1.46 | 62.64 | 35.90 | 5.68 | 7.46 ±1.47 | 2.84 | -0.12 | 7.45 | 6.83 | 3.0 | 0.07 | 8 | 370 | 26.7 | 2.9 | 3 | 6.2 | 59126 |
| | 26 | 0.47 | 55.54 | 43.99 | 4.49 | 7.80 ±1.39 | 2.96 | -0.22 | 7.34 | 6.78 | 3.0 | 0.10 | 16 | 394 | 26.9 | 2.9 | 6 | 7.3 | 59127 |
| | 27 | 1.32 | 64.87 | 33.81 | 5.92 | 7.40 ±1.45 | 2.87 | -0.08 | 7.34 | 6.82 | 3.7 | 0.10 | 19 | 374 | 26.2 | 3.1 | 8 | 5.7 | 59128 |
| | 28 | 0.25 | 62.70 | 37.04 | 5.26 | 7.57 ±1.40 | 2.80 | 0 | 7.51 | 6.85 | 5.3 | 0.10 | 15 | 330 | 26.2 | 2.8 | 9 | 6.3 | 59129 |
| | 29 | 1.25 | 59.29 | 39.45 | 5.26 | 7.57 ±1.52 | 2.70 | -0.15 | 7.51 | 6.92 | 5.9 | 0.20 | 42 | 424 | 26.0 | 3.8 | 3 | 5.7 | 59130 |
| | 40 | 1.63 | 63.22 | 35.15 | 5.64 | 7.47 ±1.43 | 3.01 | -0.10 | 7.90 | 7.06 | -0.5 | 1.13 | | | 21.6 | 15.0 | 0 | 0 | 59131 |
| | 50 | 0.76 | 60.12 | 39.12 | 5.19 | 7.59 ±1.47 | 2.67 | -0.04 | 8.01 | 7.22 | 0.5 | 1.75 | | | 18.4 | 23.8 | 0 | 0 | 59132 |
| | 60 | 1.24 | 57.98 | 40.78 | 4.98 | 7.65 ±1.44 | 3.00 | -0.19 | 8.01 | 7.27 | -1.0 | 2.15 | | | 11.8 | 28.4 | 0 | 0 | 59133 |
| | 70 | 0.87 | 65.63 | 33.51 | 5.80 | 7.43 ±1.45 | 2.77 | 0.12 | 8.18 | 7.32 | -0.5 | 3.20 | | | 10.8 | 35.2 | 0 | 0 | 59134 |
| 3 | 0 | 1.18 | 50.83 | 47.98 | 4.30 | 7.86 ±1.62 | 2.46 | -0.23 | 7.68 | 6.50 | 2.3 | 0.19 | 28 | 242 | 26.2 | 3.9 | 0 | 0.6 | 59135 |
| | 1 | 1.77 | 61.07 | 37.16 | 5.76 | 7.44 ±1.66 | 2.34 | 0 | 7.28 | 6.70 | -0.9 | 0.14 | 28 | 231 | 26.7 | 3.0 | 0 | 1.0 | 59136 |
| | 2 | 1.73 | 65.04 | 33.23 | 6.43 | 7.28 ±1.67 | 2.39 | 0.08 | 7.39 | 6.79 | 1.3 | 0.12 | 20 | 212 | 26.7 | 2.8 | 3 | 1.0 | 59137 |
| | 3 | 1.32 | 63.76 | 34.91 | 6.13 | 7.35 ±1.62 | 2.33 | 0.10 | 7.39 | 6.93 | 0.1 | 0.13 | 22 | 218 | 26.6 | 3.0 | 2 | 0.7 | 59138 |
| | 4 | 1.29 | 64.83 | 33.89 | 6.00 | 7.38 ±1.55 | 2.57 | 0.08 | 7.28 | 6.94 | 0.8 | 0.12 | 15 | 206 | 27.0 | 2.7 | 0 | 1.0 | 59139 |
| | 5 | 0.82 | 59.38 | 39.81 | 5.19 | 7.59 ±1.60 | 2.31 | 0.01 | 7.34 | 6.95 | 1.0 | 0.09 | 10 | 194 | 27.1 | 2.7 | 0 | 1.1 | 59140 |
| | 6 | 1.52 | 72.56 | 25.92 | 7.76 | 7.01 ±1.57 | 2.57 | 0.29 | 7.34 | 6.96 | 1.7 | 0.08 | 6 | 181 | 27.0 | 2.6 | 0 | 1.1 | 59141 |
| | 7 | 1.30 | 69.68 | 29.03 | 7.14 | 7.13 ±1.59 | 2.47 | 0.26 | 7.28 | 6.93 | 1.8 | 0.07 | 4 | 176 | 27.0 | 2.5 | 0 | 1.2 | 59142 |
| | 8 | 2.10 | 71.96 | 25.94 | 7.60 | 7.04 ±1.54 | 2.71 | 0.25 | 7.39 | 6.99 | 0.5 | 0.07 | 4 | 170 | 26.6 | 2.5 | 0 | 1.0 | 59143 |
| | 9 | 1.04 | 65.85 | 33.11 | 6.39 | 7.29 ±1.59 | 2.37 | 0.13 | 7.39 | 6.97 | 0.3 | 0.07 | 14 | 158 | 26.1 | 2.5 | 0 | 1.4 | 59144 |
| | 10 | 0.13 | 51.12 | 48.74 | 4.27 | 7.87 ±1.59 | 2.15 | -0.18 | 7.34 | 6.98 | 2.5 | 0.08 | 28 | 160 | 26.1 | 2.8 | 0 | 1.6 | 59145 |
| | 11 | 0.96 | 64.26 | 34.77 | 6.22 | 7.33 ±1.66 | 2.22 | 0.10 | 7.28 | 7.01 | 2.0 | 0.07 | 4 | 151 | 26.0 | 2.5 | 19 | 1.6 | 59146 |
| | 12 | 1.05 | 71.95 | 27.00 | 7.55 | 7.05 ±1.54 | 2.55 | 0.30 | 7.28 | 6.98 | 1.5 | 0.07 | 8 | 107 | 26.2 | 2.6 | 0 | 1.3 | 59147 |
| | 13 | 1.91 | 72.20 | 25.89 | 7.92 | 6.98 ±1.57 | 2.54 | 0.25 | 7.34 | 6.98 | 2.5 | 0.08 | 8 | 84 | 26.6 | 2.5 | 7 | 1.5 | 59148 |
| | 14 | 1.39 | 71.95 | 26.66 | 7.49 | 7.06 ±1.53 | 2.63 | 0.24 | 7.28 | 6.97 | 2.7 | 0.07 | 6 | 106 | 26.6 | 2.6 | 0 | 1.7 | 59149 |
| | 15 | 1.27 | 62.35 | 36.38 | 5.88 | 7.41 ±1.66 | 2.28 | 0.10 | 7.34 | 6.98 | 2.7 | 0.07 | 8 | 107 | 27.0 | 2.5 | 0 | 1.7 | 59150 |
| | 16 | 3.12 | 76.38 | 20.50 | 9.82 | 6.67 ±1.57 | 2.80 | 0.44 | 7.28 | 6.96 | 3.3 | 0.08 | 3 | 90 | 26.8 | 2.5 | 0 | 1.9 | 59151 |
| | 17 | 2.01 | 74.04 | 23.95 | 8.67 | 6.85 ±1.56 | 2.64 | 0.36 | 7.34 | 6.98 | 3.3 | 0.09 | 4 | 106 | 26.9 | 2.4 | 0 | 1.9 | 59152 |
| | 18 | 1.46 | 53.65 | 44.89 | 4.88 | 7.68 ±1.64 | 2.34 | -0.21 | 7.34 | 6.98 | 3.4 | 0.08 | 3 | 99 | 26.0 | 2.5 | 0 | 1.8 | 59153 |

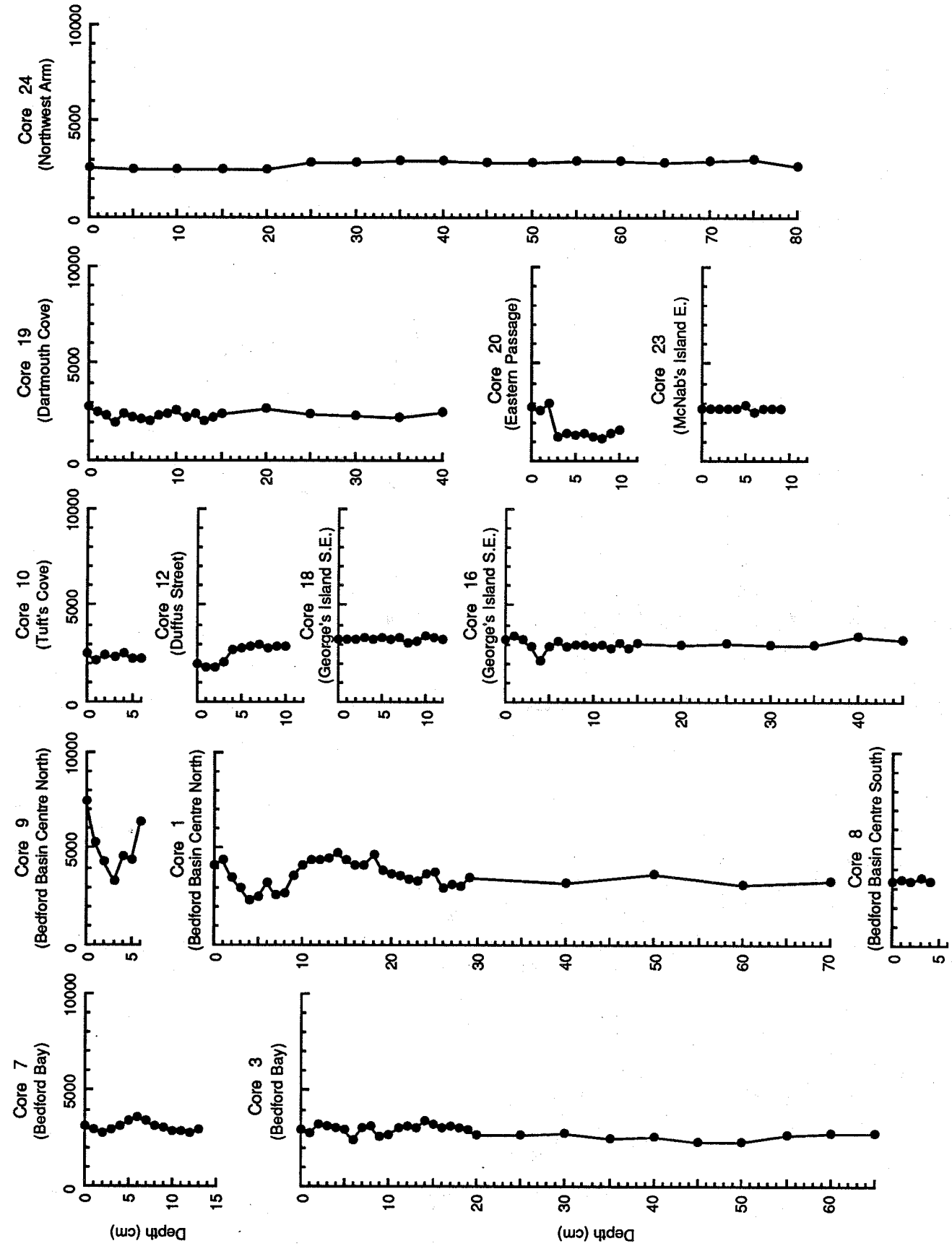
| Core | Depth | Sand | Silt | Clay | Mean-grain-size | | Kurt-osis | Skew-ness | $pH_{pw}$ | $pH_{sed}$ | $pe_{pw}$ | $NH_4^+$ | $PO_4^{3-}$ | $SiO_{2pw}$ | $SO_4^{2-}$ | $Alk_{pw}$ | $Fe_{pw}$ | $Mn_{pw}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | μm | phi | | | -lg N | -lg N | -lg M | mM | μM | μM | mM | mN | μM | μM | |
| 3 | 19 | 1.74 | 73.81 | 24.44 | 8.97 | 6.80 ±1.63 | 2.49 | 0.43 | 7.28 | 6.94 | 3.3 | 0.12 | 32 | 191 | 26.2 | 2.7 | 0 | 1.2 | 59154 |
| | 20 | 2.20 | 76.70 | 21.10 | 9.55 | 6.71 ±1.55 | 2.76 | 0.47 | 7.23 | 6.97 | 3.2 | 0.14 | 8 | 218 | 26.3 | 2.8 | 0 | 1.2 | 59155 |
| | 25 | 1.58 | 63.48 | 34.94 | 6.62 | 7.24 ±1.69 | 2.17 | 0.08 | 7.39 | 6.97 | 2.3 | 0.46 | 139 | 569 | 25.4 | 7.0 | 0 | 0 | 59156 |
| | 30 | 1.24 | 71.17 | 27.59 | 7.87 | 6.99 ±1.57 | 2.46 | 0.31 | 7.56 | 6.99 | -1.6 | 0.59 | 188 | 619 | 22.0 | 10.8 | 0 | 0 | 59157 |
| | 35 | 3.02 | 68.21 | 28.77 | 7.98 | 6.97 ±1.67 | 2.36 | 0.21 | 7.73 | 7.05 | -1.0 | 1.03 | 240 | 671 | 21.0 | 16.2 | 0 | 0 | 59158 |
| | 40 | 5.41 | 72.88 | 21.70 | 10.45 | 6.58 ±1.69 | 2.49 | 0.35 | 7.73 | 7.07 | -1.4 | 1.15 | 242 | 684 | 20.7 | 17.0 | 0 | 0 | 59159 |
| | 45 | 1.65 | 65.30 | 33.05 | 6.75 | 7.21 ±1.61 | 2.36 | 0.15 | 7.79 | 7.09 | -0.5 | 1.08 | 253 | 700 | 21.2 | 18.4 | 0 | 0 | 59160 |
| | 50 | 1.72 | 67.35 | 30.93 | 7.24 | 7.11 ±1.62 | 2.34 | 0.19 | 7.90 | 7.09 | -0.9 | 1.28 | 252 | 704 | 21.2 | 19.5 | 0 | 0 | 59161 |
| | 55 | 2.53 | 73.20 | 24.27 | 9.04 | 6.79 ±1.63 | 2.50 | 0.35 | 7.90 | 7.11 | -0.8 | 1.27 | 251 | 706 | 18.7 | 20.0 | 0 | 0 | 59162 |
| | 60 | 1.10 | 72.64 | 26.26 | 8.14 | 6.94 ±1.55 | 2.51 | 0.39 | 7.90 | 7.11 | -1.1 | 1.23 | 261 | 742 | 19.4 | 20.7 | 0 | 0 | 59163 |
| | 65 | 1.11 | 66.94 | 31.96 | 6.80 | 7.20 ±1.57 | 2.36 | 0.21 | 7.90 | 7.14 | -1.9 | 1.35 | | | 19.4 | 20.9 | 0 | 0 | 59164 |
| 7 | 0 | 1.21 | 65.49 | 33.30 | 6.30 | 7.31 ±1.54 | 2.56 | 0.02 | 7.11 | 6.07 | 0.6 | 0.12 | 39 | 169 | 24.3 | 2.4 | 32 | 2.3 | 59165 |
| | 1 | 0.83 | 71.41 | 27.76 | 6.94 | 7.17 ±1.45 | 2.73 | 0.24 | 7.17 | 6.18 | 1.5 | 0.12 | 42 | 248 | 25.1 | 2.5 | 2 | 1.3 | 59166 |
| | 2 | 0.71 | 72.01 | 27.28 | 6.99 | 7.16 ±1.50 | 2.65 | 0.28 | 7.34 | 6.33 | 1.1 | 0.12 | 25 | 176 | 25.1 | 2.3 | 2 | 1.3 | 59167 |
| | 3 | 0.67 | 69.89 | 29.44 | 6.66 | 7.23 ±1.48 | 2.62 | 0.23 | 7.34 | 6.41 | 2.0 | 0.11 | 28 | 211 | 24.4 | 2.6 | 0 | 1.0 | 59168 |
| | 4 | 1.20 | 72.49 | 26.31 | 7.19 | 7.12 ±1.46 | 2.77 | 0.27 | 7.34 | 6.51 | 1.5 | 0.11 | 22 | 189 | 24.3 | 2.5 | 0 | 1.0 | 59169 |
| | 5 | 0.64 | 62.98 | 36.38 | 5.26 | 7.57 ±1.43 | 2.64 | 0.12 | 7.39 | 6.62 | 1.1 | 0.11 | 20 | 202 | 23.2 | 2.7 | 0 | 0.6 | 59170 |
| | 6 | 0.78 | 62.01 | 37.21 | 5.34 | 7.55 ±1.49 | 2.48 | 0.10 | 7.39 | 6.64 | 1.3 | 0.10 | 16 | 200 | 25.7 | 2.6 | 0 | 0.5 | 59171 |
| | 7 | 0.61 | 63.23 | 36.16 | 5.72 | 7.45 ±1.51 | 2.44 | 0.09 | 7.45 | 6.69 | 1.4 | 0.12 | 14 | 196 | 25.5 | 2.6 | 0 | 0.5 | 59172 |
| | 8 | 0.84 | 69.80 | 29.36 | 6.48 | 7.27 ±1.45 | 2.76 | 0.23 | 7.51 | 6.72 | 1.5 | 0.10 | 12 | 197 | 25.9 | 2.7 | 0 | 0.5 | 59173 |
| | 9 | 1.35 | 68.00 | 30.65 | 6.80 | 7.20 ±1.54 | 2.52 | 0.15 | 7.45 | 6.79 | 0.7 | 0.12 | 10 | 189 | 24.8 | 2.5 | 0 | 0.6 | 59174 |
| | 10 | 0.69 | 71.57 | 27.74 | 7.09 | 7.14 ±1.45 | 2.63 | 0.28 | 7.45 | 6.83 | 0.5 | 0.09 | 9 | 181 | 26.3 | 2.6 | 0 | 0.4 | 59175 |
| | 11 | 0.76 | 69.23 | 30.01 | 6.75 | 7.21 ±1.55 | 2.47 | 0.30 | 7.45 | 6.79 | 0.5 | 0.09 | 8 | 162 | 26.4 | 2.7 | 0 | 0.6 | 59176 |
| | 12 | 1.01 | 74.47 | 24.53 | 7.81 | 7.00 ±1.50 | 2.71 | 0.42 | 7.56 | 6.84 | 0.6 | 0.09 | 9 | 175 | 26.3 | 2.5 | 0 | 0.8 | 59177 |
| | 13 | 0.78 | 67.30 | 31.92 | 6.39 | 7.29 ±1.53 | 2.46 | 0.19 | 7.51 | 6.85 | 0.6 | 0.09 | 12 | 181 | 26.5 | 2.5 | 0 | 0.7 | 59178 |
| 8 | 0 | 1.45 | 56.47 | 42.09 | 5.34 | 7.55 ±1.70 | 2.23 | -0.17 | 7.17 | 6.46 | 0.8 | 0.12 | 111 | 265 | 26.3 | 3.4 | 54 | 7.2 | 59179 |
| | 1 | 1.04 | 56.04 | 42.91 | 5.15 | 7.60 ±1.65 | 2.27 | -0.15 | 7.17 | 6.50 | 1.3 | 0.09 | 38 | 216 | 25.5 | 3.0 | 69 | 6.2 | 59180 |
| | 2 | 1.02 | 57.18 | 41.81 | 5.01 | 7.64 ±1.59 | 2.37 | -0.11 | 7.06 | 6.58 | 1.5 | 0.09 | 30 | 200 | 25.4 | 2.7 | 78 | 6.2 | 59181 |
| | 3 | 1.67 | 62.61 | 35.72 | 6.26 | 7.32 ±1.63 | 2.35 | -0.04 | 7.11 | 6.59 | 0.7 | 0.07 | 24 | 181 | 25.1 | 2.8 | 73 | 5.2 | 59182 |
| | 4 | 0.90 | 60.83 | 38.27 | 5.68 | 7.46 ±1.59 | 2.34 | -0.03 | 7.11 | 6.61 | -0.5 | 0.08 | 27 | 183 | 25.2 | 2.5 | 87 | 5.7 | 59183 |
| 9 | 0 | 1.46 | 58.26 | 40.28 | 5.37 | 7.54 ±1.60 | 2.44 | -0.14 | 7.39 | 6.82 | -0.2 | 0.07 | 98 | 211 | 25.4 | 2.8 | 67 | 6.3 | 59184 |
| | 1 | 0.99 | 60.03 | 38.98 | 5.49 | 7.51 ±1.58 | 2.41 | -0.08 | 7.56 | 6.85 | -1.9 | 0.12 | 124 | 254 | 25.2 | 2.9 | 40 | 7.9 | 59185 |
| | 2 | 1.02 | 63.55 | 35.43 | 6.09 | 7.36 ±1.59 | 2.39 | 0.02 | 7.56 | 6.92 | -2.1 | 0.13 | 145 | 284 | 23.9 | 3.4 | 31 | 8.2 | 59186 |
| | 3 | 0.20 | 57.56 | 42.24 | 5.08 | 7.62 ±1.56 | 2.26 | -0.07 | 7.51 | 6.99 | -1.6 | 0.16 | 180 | 307 | 24.2 | 3.5 | 19 | 9.0 | 59187 |
| | 4 | 2.11 | 60.92 | 36.97 | 5.96 | 7.39 ±1.64 | 2.43 | -0.13 | 7.62 | 7.01 | -1.4 | 0.21 | 206 | 317 | 24.2 | 4.0 | 14 | 8.9 | 59188 |
| | 5 | 1.03 | 55.70 | 43.27 | 4.88 | 7.68 ±1.57 | 2.54 | -0.23 | 7.68 | 7.09 | 0.3 | 0.24 | 231 | 315 | 26.0 | 4.5 | 8 | 8.7 | 59189 |
| | 6 | 1.31 | 59.54 | 39.16 | 5.49 | 7.51 ±1.60 | 2.43 | -0.11 | 7.73 | 7.09 | -1.3 | 0.28 | 231 | 317 | 25.8 | 4.7 | 5 | 8.5 | 59190 |
| 10 | 0 | 3.48 | 53.22 | 43.30 | 5.49 | 7.51 ±1.84 | 2.18 | -0.29 | 7.51 | 6.67 | -1.0 | 0.34 | 134 | 190 | 22.5 | 14.1 | 0 | 1.5 | 59195 |
| | 1 | 1.09 | 61.90 | 37.01 | 6.00 | 7.38 ±1.70 | 2.12 | 0.11 | 7.56 | 6.86 | -1.4 | 0.46 | 163 | 248 | 22.5 | 17.2 | 0 | 0.8 | 59196 |
| | 2 | 0.83 | 45.55 | 53.62 | 3.88 | 8.01 ±1.62 | 2.41 | -0.40 | 7.79 | 6.88 | -1.5 | 0.61 | 206 | 299 | 21.3 | 22.2 | 0 | 1.5 | 59197 |
| | 3 | 3.60 | 55.97 | 40.43 | 6.13 | 7.35 ±1.88 | 2.01 | -0.14 | 7.62 | 6.89 | -1.7 | 0.50 | 206 | 309 | 22.0 | 21.7 | 0 | 1.3 | 59198 |
| | 4 | 1.30 | 52.81 | 45.89 | 4.74 | 7.72 ±1.63 | 2.39 | -0.26 | 7.73 | 6.97 | -1.6 | 0.55 | 206 | 309 | 22.4 | 36.0 | 0 | 1.0 | 59199 |
| | 5 | 2.01 | 62.76 | 35.23 | 6.66 | 7.23 ±1.76 | 2.11 | 0.03 | 8.01 | 7.05 | -1.5 | 0.45 | 175 | 278 | 23.0 | 26.1 | 0 | 1.2 | 59200 |
| | 6 | 1.32 | 55.17 | 43.51 | 5.05 | 7.63 ±1.70 | 2.24 | -0.20 | 7.90 | 7.10 | -2.0 | 0.51 | 190 | 295 | 22.8 | 27.6 | 0 | 0.6 | 59201 |
| 12 | 0 | 1.20 | 58.14 | 40.65 | 5.52 | 7.50 ±1.69 | 2.17 | -0.09 | 7.23 | 6.98 | 3.9 | 0.12 | 12 | 196 | 26.1 | 6.1 | 20 | 1.4 | 59202 |
| | 1 | 1.54 | 60.42 | 38.04 | 5.60 | 7.48 ±1.64 | 2.29 | 0 | 7.45 | 6.92 | 2.4 | 0.15 | 11 | 176 | 26.4 | 5.8 | 13 | 1.1 | 59203 |
| | 2 | 1.25 | 66.19 | 32.56 | 6.99 | 7.16 ±1.71 | 2.14 | 0.13 | 7.34 | 6.67 | 2.1 | 0.14 | 13 | 161 | 24.8 | 5.7 | 6 | 0.3 | 59204 |
| | 3 | 1.22 | 61.69 | 37.09 | 6.05 | 7.37 ±1.65 | 2.20 | -0.01 | 7.45 | 6.78 | -2.3 | 0.16 | 15 | 152 | 26.0 | 6.0 | 2 | 0 | 59205 |
| | 4 | 1.70 | 64.00 | 34.30 | 6.57 | 7.25 ±1.70 | 2.18 | 0.08 | 7.51 | 6.88 | 0.6 | 0.17 | 19 | 153 | 25.2 | 6.3 | 3 | 0.3 | 59206 |

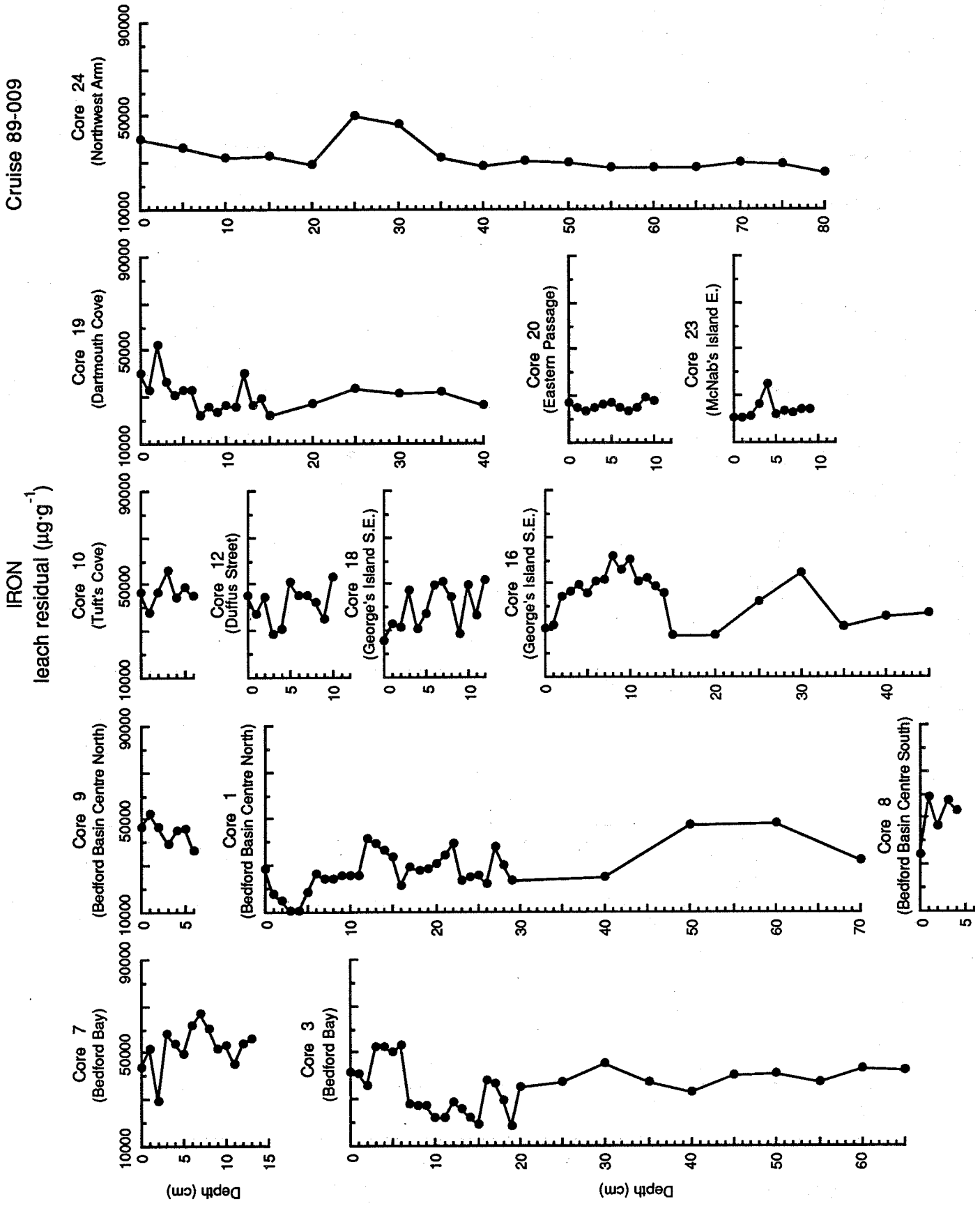
| Core | Depth | Sand | Silt | Clay | Mean-grain-size | | Kurt-osis | Skew-ness | $pH_{pw}$ | $pH_{sed}$ | $pe_{pw}$ | $NH_4^+$ | $PO_4^{3-}$ | $SiO_{2pw}$ | $SO_4^{2-}$ | $Alk_{pw}$ | $Fe_{pw}$ | $Mn_{pw}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | μm | phi | | | -lg N | -lg N | -lg M | mM | μM | μM | mM | mN | μM | μM | |
| 12 | 5 | 1.25 | 57.31 | 41.44 | 5.34 | 7.55 ±1.69 | 2.18 | -0.12 | 7.51 | 7.00 | 0.5 | 0.20 | 19 | 168 | 24.7 | 6.8 | 3 | 0 | 59207 |
| | 6 | 0.81 | 62.33 | 36.87 | 5.76 | 7.44 ±1.53 | 2.42 | 0 | 7.34 | 6.91 | -0.3 | 0.19 | 22 | 171 | 25.1 | 7.3 | 0 | 0 | 59208 |
| | 7 | 1.84 | 64.60 | 33.55 | 6.75 | 7.21 ±1.66 | 2.27 | 0.04 | 7.56 | 6.91 | 0.7 | 0.22 | 19 | 173 | 24.4 | 7.7 | 2 | 0 | 59209 |
| | 8 | 1.09 | 67.96 | 30.95 | 6.94 | 7.17 ±1.60 | 2.35 | 0.14 | 7.51 | 7.01 | 0.3 | 0.22 | 26 | 182 | 24.6 | 8.2 | 0 | 0 | 59210 |
| | 9 | 1.36 | 58.55 | 40.09 | 5.56 | 7.49 ±1.71 | 2.14 | -0.08 | 7.51 | 7.06 | 0.6 | 0.24 | 31 | 185 | 25.3 | 8.0 | 0 | 0 | 59211 |
| | 10 | 4.16 | 60.82 | 35.02 | 6.94 | 7.17 ±1.82 | 2.13 | -0.07 | 7.62 | 7.07 | -0.8 | 0.23 | 31 | 186 | 24.9 | 8.3 | 2 | 0 | 59212 |
| 16 | 0 | 0.84 | 69.76 | 29.40 | 6.57 | 7.25 ±1.53 | 2.77 | 0.26 | 7.45 | 7.13 | 2.8 | 0.15 | 24 | 251 | 26.1 | 3.1 | 13 | 1.1 | 59226 |
| | 1 | 0.89 | 69.16 | 29.95 | 6.48 | 7.27 ±1.51 | 2.78 | 0.21 | 7.45 | 7.01 | 3.1 | 0.14 | 21 | 240 | 25.4 | 3.0 | 11 | 1.1 | 59227 |
| | 2 | 0.71 | 64.24 | 35.05 | 5.76 | 7.44 ±1.55 | 2.56 | 0.15 | 7.39 | 7.04 | 2.6 | 0.14 | 20 | 237 | 25.7 | 3.1 | 5 | 0.8 | 59228 |
| | 3 | 0.55 | 71.86 | 27.58 | 6.90 | 7.18 ±1.49 | 2.78 | 0.34 | 7.56 | 6.91 | 2.5 | 0.14 | 18 | 233 | 25.4 | 3.0 | 2 | 0.7 | 59229 |
| | 4 | 0.23 | 57.64 | 42.13 | 4.74 | 7.72 ±1.62 | 2.25 | 0.08 | 7.56 | 7.12 | 1.7 | 0.14 | 17 | 214 | 25.7 | 3.2 | 7 | 1.0 | 59230 |
| | 5 | 0.58 | 62.33 | 37.10 | 5.37 | 7.54 ±1.55 | 2.56 | 0.12 | 7.62 | 7.04 | 0.6 | 0.13 | 11 | 218 | 25.3 | 3.0 | 2 | 0.4 | 59231 |
| | 6 | 0.26 | 64.84 | 34.90 | 5.68 | 7.46 ±1.56 | 2.49 | 0.20 | 7.51 | 7.02 | 0.3 | 0.12 | 24 | 207 | 25.1 | 3.1 | 4 | 0.4 | 59232 |
| | 7 | 0.57 | 61.40 | 38.04 | 5.30 | 7.56 ±1.60 | 2.42 | 0.10 | 7.62 | 7.07 | 0.3 | 0.11 | 9 | 186 | 25.6 | 3.1 | 2 | 0.2 | 59233 |
| | 8 | 1.12 | 68.14 | 30.74 | 6.52 | 7.26 ±1.59 | 2.62 | 0.18 | 7.56 | 7.16 | 0.7 | 0.10 | 9 | 190 | 25.6 | 2.9 | 0 | 0 | 59234 |
| | 9 | 0.57 | 65.74 | 33.69 | 5.80 | 7.43 ±1.54 | 2.68 | 0.15 | 7.56 | 7.15 | 0.9 | 0.11 | 12 | 209 | 26.5 | 3.1 | 0 | 0 | 59235 |
| | 10 | 0.57 | 66.38 | 33.05 | 5.92 | 7.40 ±1.50 | 2.71 | 0.20 | 7.56 | 7.17 | 1.2 | 0.11 | 12 | 205 | 26.2 | 2.9 | 0 | 0 | 59236 |
| | 11 | 1.47 | 64.97 | 33.56 | 6.48 | 7.27 ±1.72 | 2.37 | 0.06 | 7.68 | 7.26 | -0.6 | 0.12 | 11 | 227 | 25.8 | 3.0 | 0 | 0 | 59237 |
| | 12 | 0.54 | 63.11 | 36.35 | 5.30 | 7.56 ±1.52 | 2.63 | 0.18 | 7.56 | 7.25 | 1.8 | 0.11 | 6 | 171 | 24.8 | 3.0 | 3 | 0.2 | 59238 |
| | 13 | 0.53 | 60.05 | 39.42 | 5.12 | 7.61 ±1.67 | 2.24 | 0.13 | 7.56 | 7.18 | 1.9 | 0.10 | 4 | 150 | 25.9 | 2.9 | 0 | 0.7 | 59239 |
| | 14 | 0.49 | 66.58 | 32.93 | 6.39 | 7.29 ±1.64 | 2.35 | 0.26 | 7.62 | 7.26 | 1.4 | 0.14 | 39 | 159 | 25.9 | 3.2 | 0 | 0.5 | 59240 |
| | 15 | 0.27 | 66.57 | 33.17 | 5.76 | 7.44 ±1.58 | 2.47 | 0.35 | 7.68 | 7.25 | 2.0 | 0.19 | 19 | 233 | 25.7 | 3.8 | 0 | 0.3 | 59241 |
| | 20 | 0.57 | 67.76 | 31.68 | 6.48 | 7.27 ±1.57 | 2.47 | 0.30 | 7.73 | 7.38 | 0.4 | 0.43 | 98 | 369 | 24.6 | 6.8 | 0 | 0 | 59242 |
| | 25 | 0.60 | 63.45 | 35.95 | 5.88 | 7.41 ±1.60 | 2.45 | 0.18 | 7.79 | 7.50 | -0.4 | 0.69 | 128 | 475 | 22.4 | 10.6 | 0 | 0 | 59243 |
| | 30 | 0.34 | 74.07 | 25.60 | 7.65 | 7.03 ±1.54 | 2.73 | 0.55 | 7.84 | 7.53 | -0.7 | 0.97 | 194 | 638 | 22.6 | 15.3 | 0 | 0 | 59244 |
| | 35 | 0.33 | 72.32 | 27.36 | 7.55 | 7.05 ±1.59 | 2.62 | 0.48 | 7.84 | 7.48 | -0.9 | 1.26 | 206 | 581 | 20.2 | 18.6 | 0 | 0 | 59245 |
| | 40 | 1.00 | 77.34 | 21.66 | 9.16 | 6.77 ±1.57 | 2.80 | 0.53 | 7.90 | 7.54 | -1.3 | 1.32 | 269 | 650 | 18.0 | 21.9 | 0 | 0 | 59246 |
| | 45 | 0.57 | 69.52 | 29.92 | 7.24 | 7.11 ±1.66 | 2.37 | 0.38 | 8.01 | 7.57 | -1.9 | 1.62 | 216 | 644 | 17.0 | 24.0 | 0 | 0 | 59247 |
| 18 | 0 | 0.54 | 58.94 | 40.52 | 4.88 | 7.68 ±1.66 | 2.23 | 0.12 | 7.56 | 6.82 | 2.4 | 0.22 | 57 | 276 | 24.6 | 6.9 | 49 | 3.3 | 59213 |
| | 1 | 0.56 | 47.50 | 51.94 | 3.99 | 7.97 ±1.73 | 2.12 | -0.21 | 7.39 | 7.01 | 1.1 | 0.23 | 52 | 293 | 25.0 | 7.0 | 18 | 3.2 | 59214 |
| | 2 | 0.18 | 50.53 | 49.29 | 4.16 | 7.91 ±1.73 | 2.00 | -0.08 | 7.45 | 7.00 | 1.7 | 0.23 | 56 | 382 | 26.1 | 7.2 | 17 | 3.0 | 59215 |
| | 3 | 0.43 | 56.53 | 43.04 | 4.94 | 7.66 ±1.67 | 2.17 | 0.01 | 7.45 | 7.00 | 1.4 | 0.24 | 57 | 318 | 25.5 | 4.6 | 11 | 3.6 | 59216 |
| | 4 | 1.44 | 64.17 | 34.39 | 6.71 | 7.22 ±1.69 | 2.17 | 0.10 | 7.51 | 7.07 | 0.8 | 0.23 | 56 | 312 | 25.7 | 4.7 | 9 | 3.0 | 59217 |
| | 5 | 0.80 | 60.87 | 38.33 | 5.88 | 7.41 ±1.65 | 2.15 | 0.01 | 7.56 | 7.10 | 0.7 | 0.28 | 49 | 328 | 25.5 | 4.8 | 0 | 1.9 | 59218 |
| | 6 | 1.86 | 61.29 | 36.85 | 6.09 | 7.36 ±1.67 | 2.25 | 0 | 7.56 | 7.11 | 1.1 | 0.30 | 47 | 366 | 25.5 | 4.8 | 0 | 1.3 | 59219 |
| | 7 | 0.61 | 67.09 | 32.30 | 6.62 | 7.24 ±1.65 | 2.22 | 0.24 | 7.56 | 7.12 | 0.5 | 0.27 | 36 | 322 | 25.5 | 4.6 | 0 | 1.3 | 59220 |
| | 8 | 0.57 | 62.42 | 37.01 | 5.92 | 7.40 ±1.66 | 2.12 | 0.10 | 7.68 | 7.17 | 0.9 | 0.28 | 34 | 328 | 25.6 | 4.6 | 0 | 0.6 | 59221 |
| | 9 | 0.72 | 63.66 | 35.62 | 6.35 | 7.30 ±1.69 | 2.11 | 0.08 | 7.79 | 7.21 | 0.5 | 0.28 | 34 | 309 | 25.2 | 4.6 | 0 | 0 | 59222 |
| | 10 | 1.31 | 68.77 | 29.92 | 7.04 | 7.15 ±1.59 | 2.41 | 0.17 | 7.62 | 7.20 | 0.5 | 0.23 | 18 | 216 | 25.7 | 4.0 | 0 | 0.2 | 59223 |
| | 11 | 1.56 | 63.68 | 34.77 | 6.43 | 7.28 ±1.70 | 2.16 | 0.11 | 7.68 | 7.26 | 1.5 | 0.25 | 22 | 230 | 25.4 | 4.0 | 0 | 0.3 | 59224 |
| | 12 | 2.34 | 69.02 | 28.64 | 7.55 | 7.05 ±1.63 | 2.41 | 0.16 | 7.73 | 7.17 | 0.3 | 0.31 | 33 | 276 | 26.0 | 4.7 | 0 | 0 | 59225 |
| 19 | 0 | 0.47 | 67.09 | 32.44 | 6.62 | 7.24 ±1.67 | 2.31 | 0.30 | 7.45 | 7.27 | 1.1 | 0.12 | 27 | 342 | 26.0 | 3.8 | 8 | 0.7 | 59248 |
| | 1 | 0.25 | 67.14 | 32.61 | 7.34 | 7.09 ±1.85 | 2.02 | 0.35 | 7.39 | 7.12 | -0.8 | 0.10 | 20 | 229 | 26.7 | 3.7 | 9 | 0.7 | 59249 |
| | 2 | 0.57 | 69.14 | 30.29 | 6.80 | 7.20 ±1.63 | 2.46 | 0.32 | 7.39 | 7.10 | 2.6 | 0.13 | 32 | 236 | 26.5 | 4.0 | 0 | 0.3 | 59250 |
| | 3 | 1.08 | 55.53 | 43.40 | 4.52 | 7.79 ±1.63 | 2.43 | -0.03 | 7.39 | 7.10 | 2.3 | 0.13 | 33 | 219 | 22.9 | 4.0 | 0 | 0 | 59251 |
| | 4 | 0.26 | 59.04 | 40.69 | 4.78 | 7.71 ±1.53 | 2.40 | 0.16 | 7.39 | 7.00 | 3.1 | 0.15 | 36 | 232 | 26.4 | 4.4 | 2 | 0.5 | 59252 |
| | 5 | 0.27 | 57.91 | 41.82 | 4.55 | 7.78 ±1.59 | 2.30 | 0.13 | 7.56 | 7.08 | 0.5 | 0.17 | 44 | 261 | 25.8 | 4.8 | 0 | 0.4 | 59253 |
| | 6 | 0.70 | 52.82 | 46.48 | 4.13 | 7.92 ±1.62 | 2.27 | -0.01 | 7.51 | 7.13 | 1.5 | 0.18 | 51 | 278 | 26.3 | 4.9 | 0 | 0.2 | 59254 |
| | 7 | 0.02 | 56.97 | 43.01 | 4.30 | 7.86 ±1.54 | 2.23 | 0.22 | 7.51 | 7.09 | 1.5 | 0.20 | 36 | 266 | 26.9 | 4.6 | 0 | 0.5 | 59255 |
| | 8 | 0.28 | 59.24 | 40.47 | 4.71 | 7.73 ±1.50 | 2.56 | 0.14 | 7.51 | 7.13 | 1.6 | 0.24 | 60 | 352 | 26.6 | 5.3 | 0 | 0 | 59256 |
| | 9 | 0.25 | 56.78 | 42.97 | 4.46 | 7.81 ±1.52 | 2.36 | 0.15 | 7.62 | 7.11 | 2.9 | 0.26 | 59 | 373 | 24.9 | 5.5 | 8 | 0.2 | 59257 |

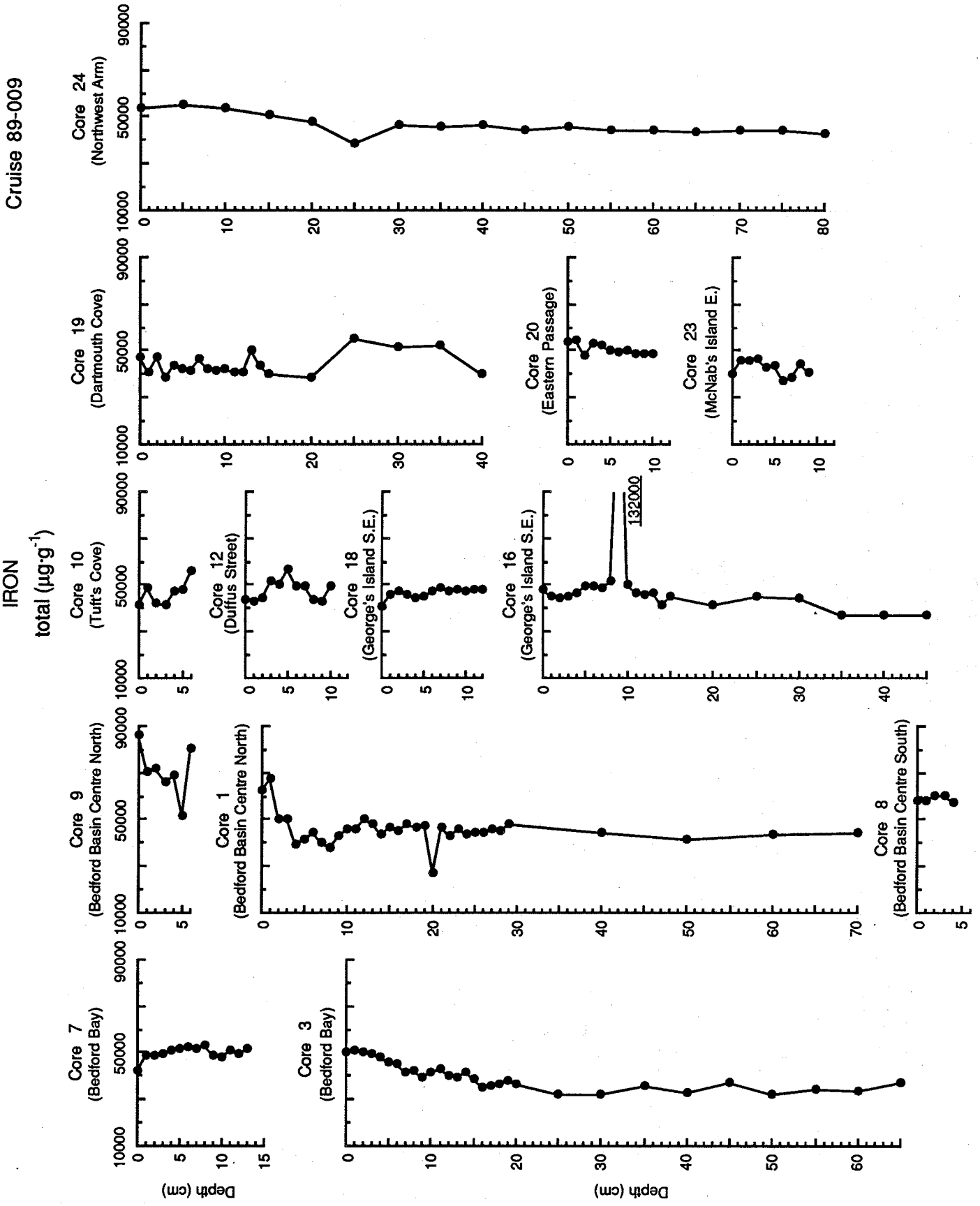
| Core | Depth | Sand | Silt | Clay | Mean-grain-size | | Kurt-osis | Skew-ness | $pH_{pw}$ | $pH_{sed}$ | $pe_{pw}$ | $NH_4^+$ | $PO_4^{3-}$ | $SiO_{2pw}$ | $SO_4^{2-}$ | $Alk_{pw}$ | $Fe_{pw}$ | $Mn_{pw}$ | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cm | % | % | % | µm | phi | | | -lg N | -lg N | -lg M | mM | µM | µM | mM | mN | µM | µM | |
| 19 | 10 | 0.36 | 53.49 | 46.15 | 3.96 | 7.98 ±1.41 | 2.81 | 0.05 | 7.84 | 7.07 | 1.4 | 0.31 | | | 20.6 | 5.8 | 0 | 0 | 59258 |
| | 11 | 0.28 | 59.64 | 40.08 | 4.71 | 7.73 ±1.53 | 2.46 | 0.18 | 7.56 | 7.17 | 1.8 | 0.30 | 82 | 448 | 25.6 | 6.0 | 0 | 0 | 59259 |
| | 12 | 0.27 | 59.78 | 39.95 | 4.81 | 7.70 ±1.54 | 2.32 | 0.25 | 7.68 | 7.14 | 1.8 | 0.32 | 85 | 466 | 25.4 | 6.4 | 0 | 0 | 59260 |
| | 13 | 0.30 | 65.64 | 34.06 | 5.49 | 7.51 ±1.46 | 2.77 | 0.27 | 7.62 | 7.15 | 0.4 | 0.36 | 110 | 469 | 24.8 | 6.5 | 0 | 0 | 59261 |
| | 14 | 0.08 | 66.96 | 32.95 | 5.52 | 7.50 ±1.44 | 2.73 | 0.42 | 7.68 | 7.17 | 0.4 | 0.38 | 119 | 488 | 25.2 | 7.0 | 0 | 0 | 59262 |
| | 15 | 0.30 | 63.81 | 35.89 | 5.19 | 7.59 ±1.47 | 2.67 | 0.26 | 7.56 | 7.18 | 3.2 | 0.38 | 108 | 469 | 25.0 | 6.8 | 0 | 0 | 59263 |
| | 20 | 0.26 | 61.65 | 38.09 | 4.98 | 7.65 ±1.53 | 2.46 | 0.25 | 7.56 | 7.18 | -0.4 | 0.51 | 163 | 569 | 24.5 | 9.6 | 0 | 0 | 59264 |
| | 25 | 0.28 | 73.54 | 26.19 | 7.04 | 7.15 ±1.49 | 2.86 | 0.50 | 7.73 | 7.17 | 0.1 | 0.51 | 175 | 506 | 24.7 | 9.6 | 14 | 0 | 59265 |
| | 30 | 0.99 | 56.47 | 42.54 | 4.52 | 7.79 ±1.60 | 2.52 | 0.01 | 7.68 | 7.08 | 0.3 | 0.26 | 116 | 244 | 25.6 | 6.5 | 2 | 0.6 | 59266 |
| | 35 | 0.25 | 60.44 | 39.30 | 4.98 | 7.65 ±1.61 | 2.35 | 0.20 | 7.73 | 7.17 | -0.2 | 0.45 | 165 | 394 | 24.2 | 9.4 | 0 | 0 | 59267 |
| | 40 | 0.67 | 56.32 | 43.01 | 4.25 | 7.88 ±1.47 | 2.76 | 0.09 | 7.73 | 7.19 | -0.6 | 0.61 | 209 | 538 | 22.7 | 12.3 | 11 | 0 | 59268 |
| 20 | 0 | 0.48 | 64.89 | 34.63 | 6.39 | 7.29 ±1.74 | 2.14 | 0.23 | 7.56 | 6.70 | 0.9 | 0.42 | 394 | 376 | 25.3 | 7.0 | 4 | 1.8 | 46701 |
| | 1 | 0.27 | 58.32 | 41.41 | 5.19 | 7.59 ±1.74 | 2.05 | 0.09 | 7.45 | 7.00 | 1.0 | 0.51 | 300 | 356 | 25.0 | 7.8 | 2 | 1.3 | 46702 |
| | 2 | 0.25 | 59.12 | 40.63 | 5.30 | 7.56 ±1.74 | 2.04 | 0.12 | 7.51 | 7.08 | 2.2 | 0.53 | 250 | 344 | 24.6 | 8.4 | 0 | 0.6 | 46703 |
| | 3 | 0.83 | 77.81 | 21.36 | 9.04 | 6.79 ±1.59 | 2.78 | 0.50 | 7.45 | 7.10 | 0.9 | 0.57 | 256 | 353 | 25.1 | 8.5 | 0 | 0.5 | 46704 |
| | 4 | 1.52 | 78.76 | 19.71 | 9.55 | 6.71 ±1.55 | 2.90 | 0.51 | 7.45 | 7.14 | 1.5 | 0.52 | 233 | 338 | 24.8 | 8.5 | 0 | 0.6 | 46705 |
| | 5 | 0.30 | 78.76 | 20.93 | 8.49 | 6.88 ±1.47 | 3.02 | 0.53 | 7.51 | 7.24 | 0.5 | 0.63 | 218 | 319 | 25.0 | 9.9 | 0 | 0 | 46706 |
| | 6 | 0.96 | 74.04 | 25.01 | 8.03 | 6.96 ±1.59 | 2.66 | 0.40 | 7.51 | 7.22 | 0.8 | 0.60 | 196 | 325 | 25.3 | 9.3 | 0 | 0 | 46707 |
| | 7 | 0.30 | 74.19 | 25.51 | 7.92 | 6.98 ±1.59 | 2.59 | 0.42 | 7.51 | 7.42 | 1.0 | 0.63 | 191 | 320 | 24.4 | 9.5 | 0 | 0 | 46708 |
| | 8 | 0.96 | 78.10 | 20.93 | 8.55 | 6.87 ±1.47 | 3.05 | 0.51 | 7.56 | 7.58 | 0.9 | 0.71 | 204 | 324 | 24.3 | 10.5 | 0 | 0 | 46709 |
| | 9 | 0.28 | 79.77 | 19.94 | 9.10 | 6.78 ±1.49 | 2.98 | 0.62 | 7.51 | 7.37 | 1.1 | 0.67 | 204 | 324 | 25.0 | 10.2 | 2 | 0 | 46710 |
| | 10 | 0 | 77.88 | 22.12 | 7.92 | 6.98 ±1.43 | 3.02 | 0.59 | 7.68 | 7.47 | -0.6 | 0.74 | 180 | 329 | 25.1 | 10.3 | 2 | 0.5 | 46711 |
| 23 | 0 | 0.75 | 59.83 | 39.42 | 5.76 | 7.44 ±1.76 | 2.07 | 0.10 | 7.28 | 7.87 | 2.6 | 0.22 | 47 | 305 | 27.0 | 3.9 | 35 | 2.1 | 46712 |
| | 1 | 0.23 | 63.83 | 35.93 | 6.26 | 7.32 ±1.76 | 2.09 | 0.22 | 7.28 | 7.30 | 2.8 | 0.28 | 49 | 394 | 26.2 | 4.4 | 13 | 1.6 | 46713 |
| | 2 | 0.25 | 55.51 | 44.25 | 4.46 | 7.81 ±1.55 | 2.33 | 0.07 | 7.34 | 7.23 | 1.4 | 0.27 | 47 | 382 | 26.5 | 4.2 | 6 | 1.1 | 46714 |
| | 3 | 0.23 | 53.92 | 45.84 | 4.10 | 7.93 ±1.55 | 2.40 | 0.02 | 7.45 | 7.33 | 1.4 | 0.33 | 45 | 425 | 26.5 | 4.6 | 2 | 0.5 | 46715 |
| | 4 | 0.22 | 55.29 | 44.48 | 4.36 | 7.84 ±1.61 | 2.18 | 0.09 | 7.51 | 7.33 | 1.1 | 0.35 | 46 | 445 | 25.9 | 4.6 | 0 | 0.4 | 46716 |
| | 5 | 0.24 | 57.50 | 42.26 | 4.58 | 7.77 ±1.53 | 2.35 | 0.15 | 7.45 | 7.36 | 0.7 | 0.39 | 46 | 479 | 25.6 | 5.1 | 0 | 0.2 | 46717 |
| | 6 | 0.27 | 69.48 | 30.25 | 6.35 | 7.30 ±1.49 | 2.69 | 0.36 | 7.56 | 7.38 | 1.3 | 0.40 | 38 | 474 | 25.3 | 4.9 | 0 | 0 | 46718 |
| | 7 | 0.57 | 69.68 | 29.76 | 6.52 | 7.26 ±1.51 | 2.66 | 0.39 | 7.56 | 7.49 | 1.0 | 0.41 | 49 | 546 | 25.8 | 5.1 | 0 | 0 | 46719 |
| | 8 | 0.30 | 65.79 | 33.91 | 5.76 | 7.44 ±1.51 | 2.59 | 0.28 | 7.51 | 7.49 | 1.0 | 0.43 | 45 | 519 | 25.4 | 5.0 | 0 | 0 | 46720 |
| | 9 | 0.23 | 48.54 | 51.22 | 3.62 | 8.11 ±1.48 | 2.59 | -0.12 | 7.62 | 7.52 | -0.6 | 0.46 | 44 | 514 | 25.7 | 5.2 | 0 | 0 | 46721 |
| 24 | 0 | 0.69 | 77.17 | 22.14 | 8.32 | 6.91 ±1.51 | 2.91 | 0.53 | 7.11 | 7.22 | 2.6 | 0.31 | 110 | 189 | 25.7 | 5.1 | 83 | 2.3 | 46724 |
| | 5 | 0.40 | 81.70 | 17.90 | 8.73 | 6.84 ±1.36 | 3.51 | 0.70 | 7.39 | 7.11 | 1.4 | 0.43 | 105 | 263 | 25.4 | 6.9 | 3 | 0.5 | 46725 |
| | 10 | 0.36 | 57.66 | 41.98 | 4.58 | 7.77 ±1.55 | 2.41 | 0.11 | 7.51 | 7.17 | 0.6 | 0.66 | 159 | 378 | 25.0 | 10.5 | 0 | 0 | 46726 |
| | 15 | 0.43 | 80.49 | 19.08 | 8.37 | 6.90 ±1.37 | 3.44 | 0.63 | 7.62 | 7.27 | -0.1 | 1.19 | 241 | 612 | 21.4 | 18.8 | 0 | 0 | 46727 |
| | 20 | 0.36 | 57.07 | 42.58 | 4.39 | 7.83 ±1.54 | 2.40 | 0.12 | 7.79 | 7.28 | -0.2 | 1.42 | 281 | 689 | 20.3 | 23.0 | 0 | 0 | 46728 |
| | 25 | 0.73 | 49.74 | 49.52 | 3.99 | 7.97 ±1.58 | 2.48 | -0.15 | 7.79 | 7.29 | -0.3 | 1.61 | 325 | 732 | 17.7 | 27.5 | 0 | 0 | 46729 |
| | 30 | 0.37 | 61.13 | 38.50 | 5.19 | 7.59 ±1.56 | 2.41 | 0.17 | 7.79 | 7.30 | -0.9 | 1.61 | 363 | 772 | 15.6 | 32.5 | 0 | 0 | 46730 |
| | 35 | 0.37 | 77.33 | 22.29 | 8.26 | 6.92 ±1.46 | 3.03 | 0.62 | 7.84 | 7.13 | -1.6 | 2.06 | 388 | 814 | 16.4 | 34.7 | 0 | 0 | 46731 |
| | 40 | 0.40 | 78.68 | 20.92 | 7.92 | 6.98 ±1.38 | 3.36 | 0.67 | 7.90 | 7.22 | -1.5 | 2.00 | 425 | 829 | 11.4 | 37.4 | 0 | 0 | 46732 |
| | 45 | 0.39 | 82.18 | 17.42 | 8.67 | 6.85 ±1.31 | 3.73 | 0.79 | 7.96 | 7.21 | -1.8 | 2.16 | 369 | 873 | 8.4 | 40.4 | 0 | 0 | 46733 |
| | 50 | 0.65 | 79.40 | 19.95 | 8.61 | 6.86 ±1.44 | 3.12 | 0.59 | 7.96 | 7.35 | -1.4 | 2.20 | 456 | 914 | 5.1 | 41.8 | 0 | 0 | 46734 |
| | 55 | 0.78 | 77.01 | 22.22 | 7.55 | 7.05 ±1.42 | 3.34 | 0.63 | 8.07 | 7.26 | -1.3 | 2.42 | 475 | 1023 | 2.1 | 43.2 | 0 | 0 | 46735 |
| | 60 | 0.40 | 79.46 | 20.13 | 7.98 | 6.97 ±1.37 | 3.48 | 0.70 | 8.07 | 7.21 | -1.6 | 2.08 | 369 | 838 | 0 | 45.9 | 0 | 0 | 46736 |
| | 65 | 0.41 | 76.53 | 23.06 | 7.55 | 7.05 ±1.43 | 3.14 | 0.54 | 8.13 | 7.24 | -1.9 | 2.37 | | | 0 | 47.2 | 0 | 0 | 46737 |
| | 70 | 0.41 | 72.41 | 27.18 | 6.90 | 7.18 ±1.49 | 2.84 | 0.46 | 8.01 | 7.30 | -1.5 | 2.35 | 425 | 880 | 2.4 | 47.9 | 0 | 0 | 46738 |
| | 75 | 1.01 | 80.42 | 18.57 | 8.97 | 6.80 ±1.44 | 3.36 | 0.61 | 8.01 | 7.32 | -1.5 | 2.36 | 444 | 883 | 0.8 | 47.4 | 0 | 0 | 46739 |
| | 80 | 0.31 | 62.15 | 37.54 | 5.30 | 7.56 ±1.56 | 2.39 | 0.24 | 8.01 | 7.32 | -2.0 | 2.27 | 438 | 864 | 1.4 | 47.8 | 0 | 0 | 46740 |

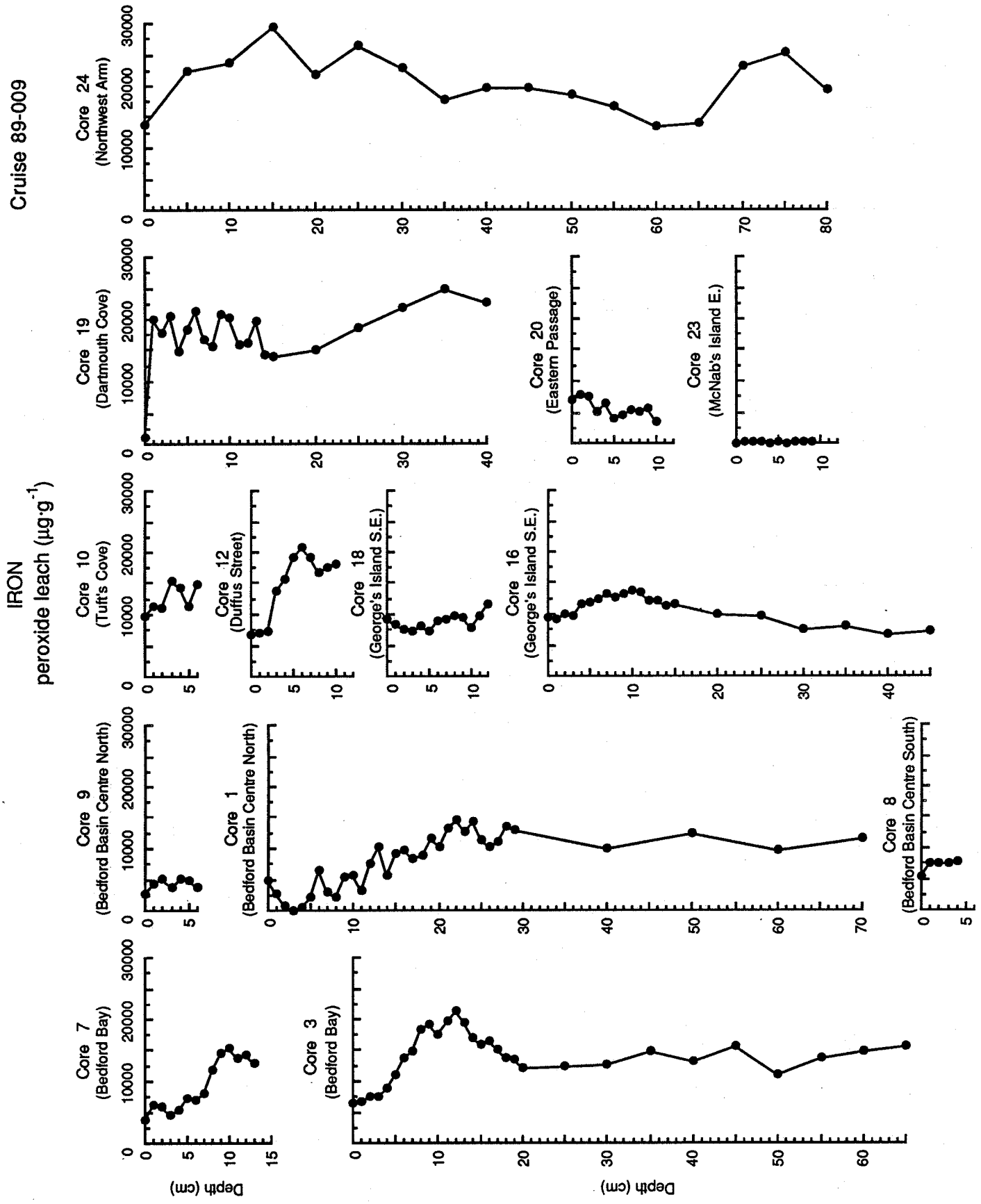

Cruise 89-009
IRON
weak acid leach (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
14700.12500.
11700.14300.
12400.10400.10500
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

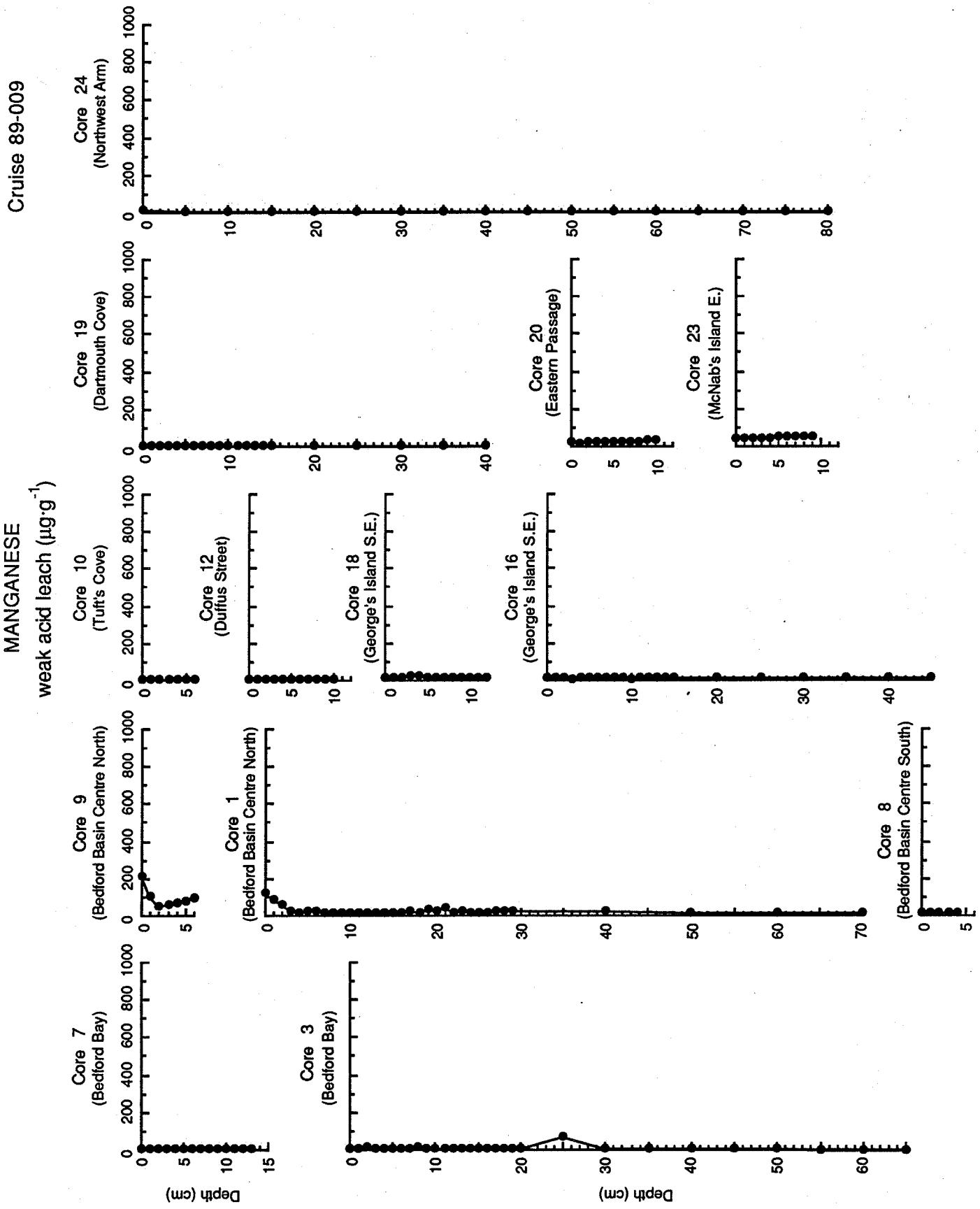

Cruise 89-009
IRON
hydroxylamine leach (µg·g-1)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

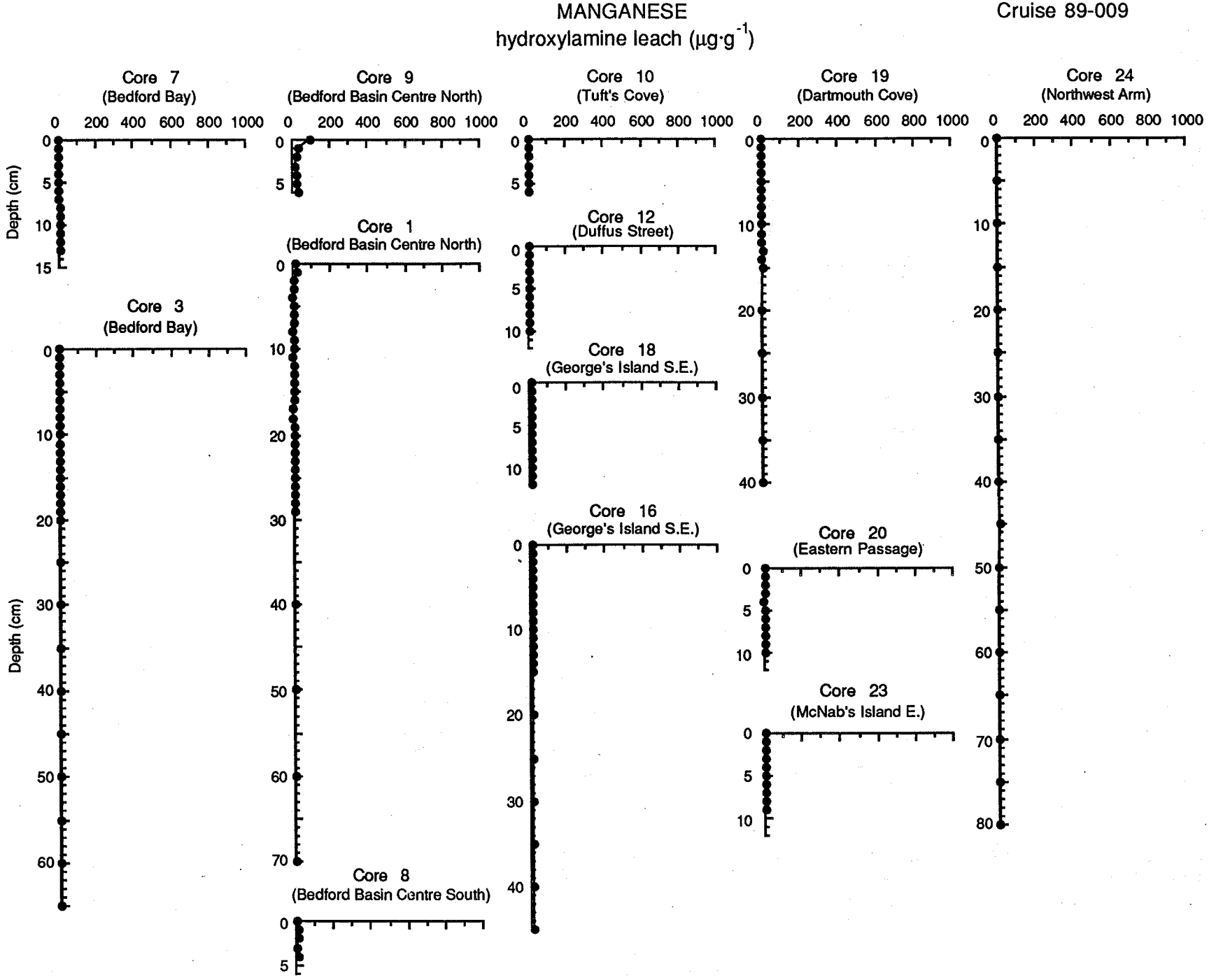

Cruise 89-009
IRON
heated hydroxylamine leach (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

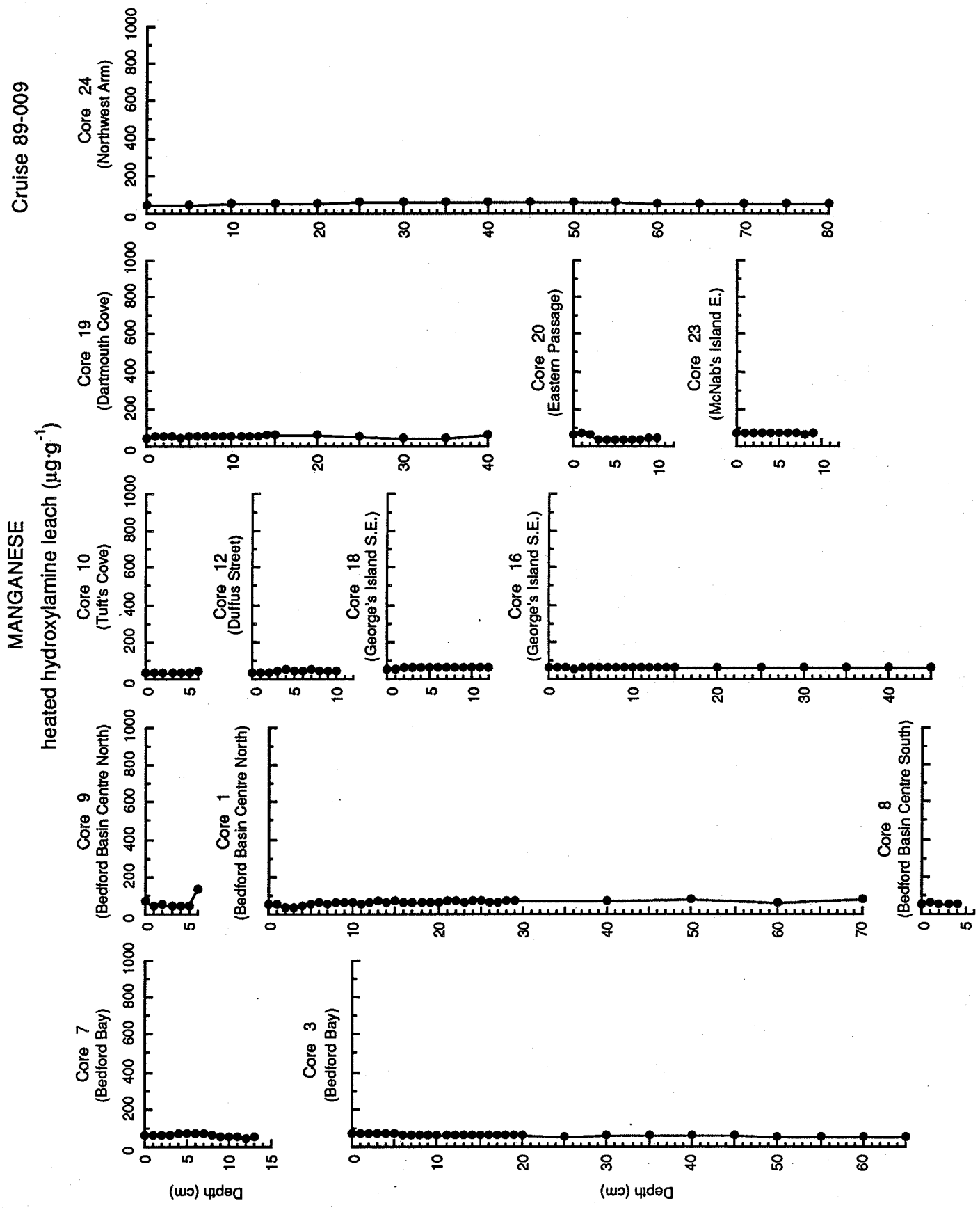

Cruise 89-009
IRON
leach residual (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

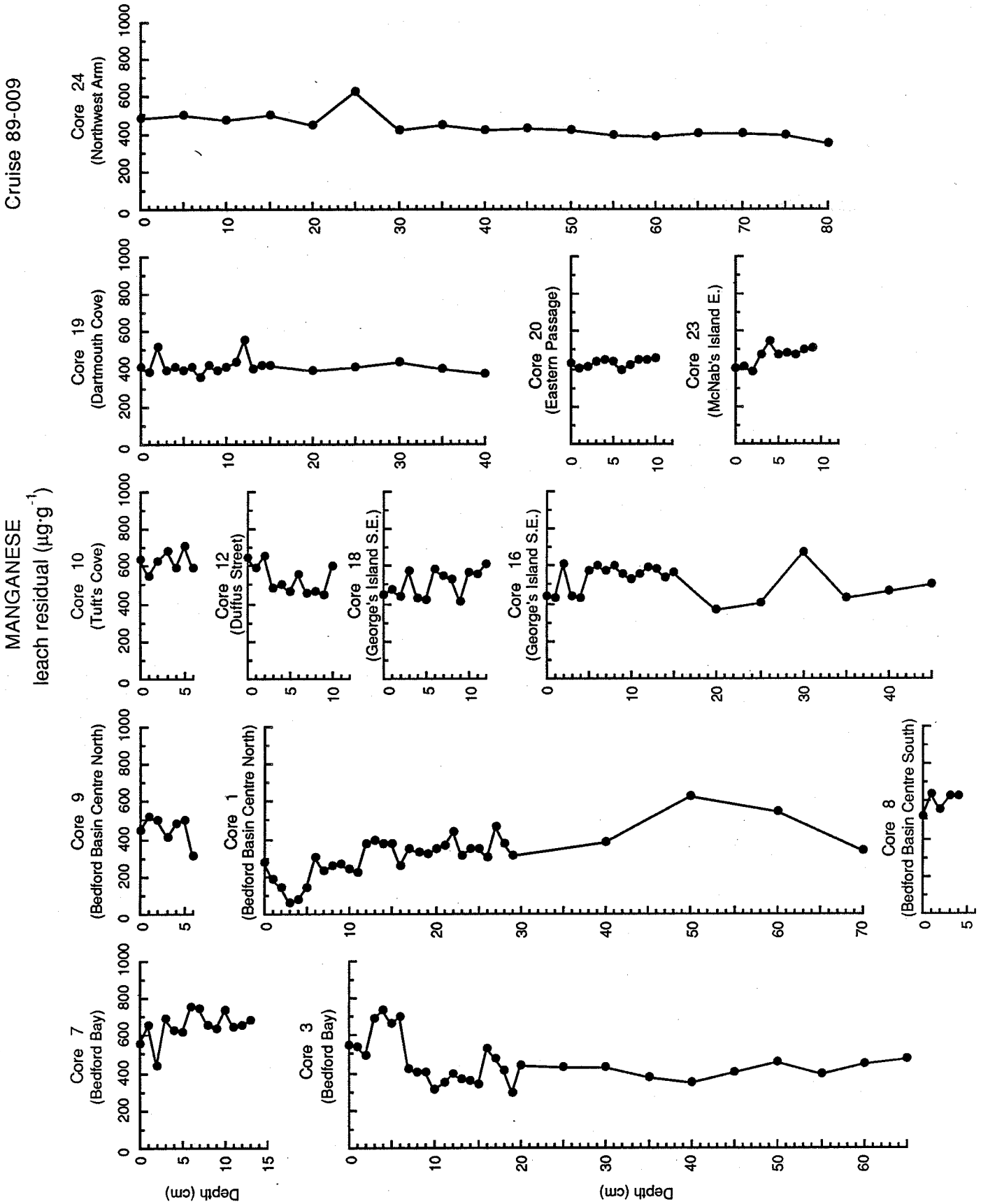

Cruise 89-009
IRON
total (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
132000
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

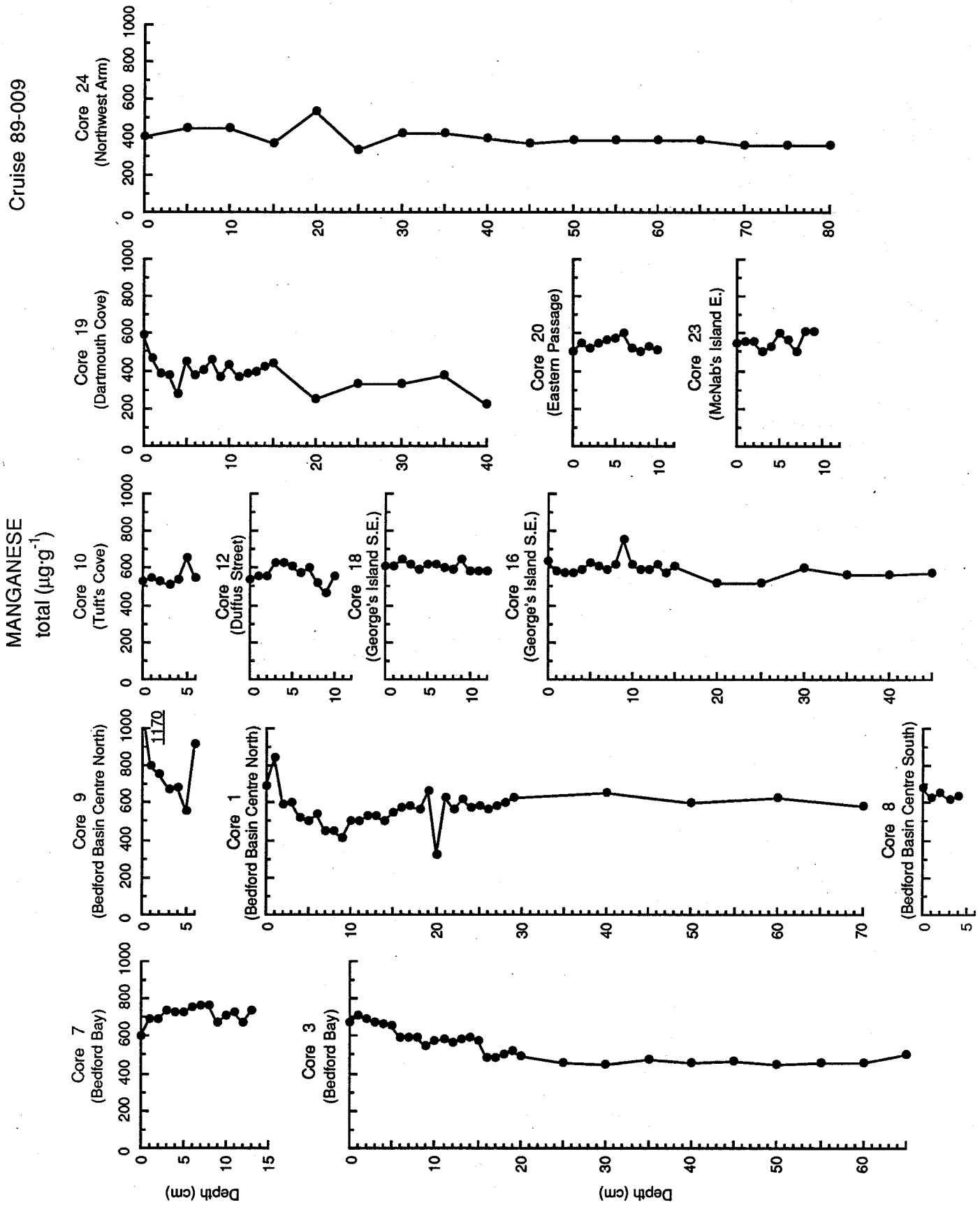

Cruise 89-009
IRON
peroxide leach (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

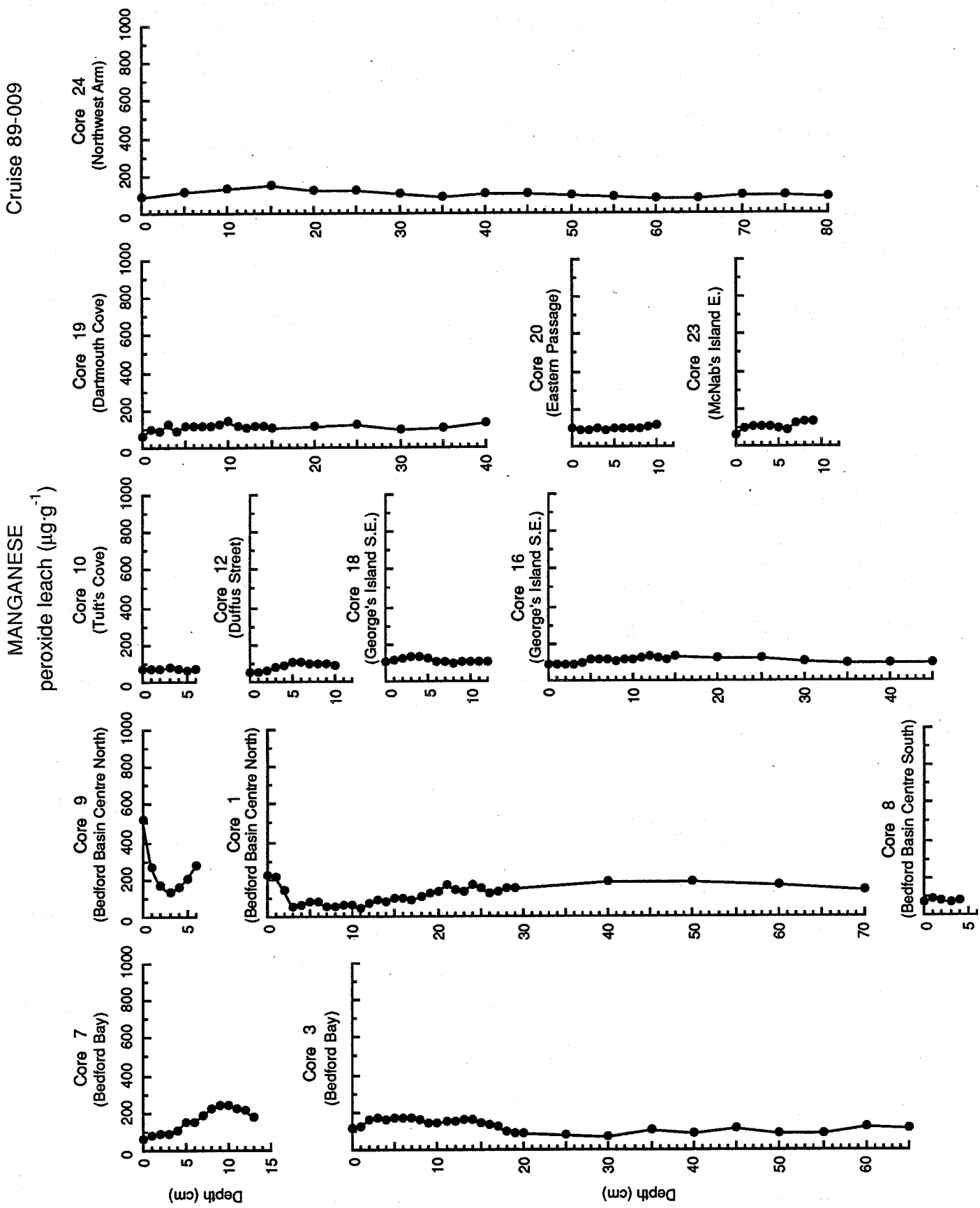

Cruise 89-009
MANGANESE
weak acid leach (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

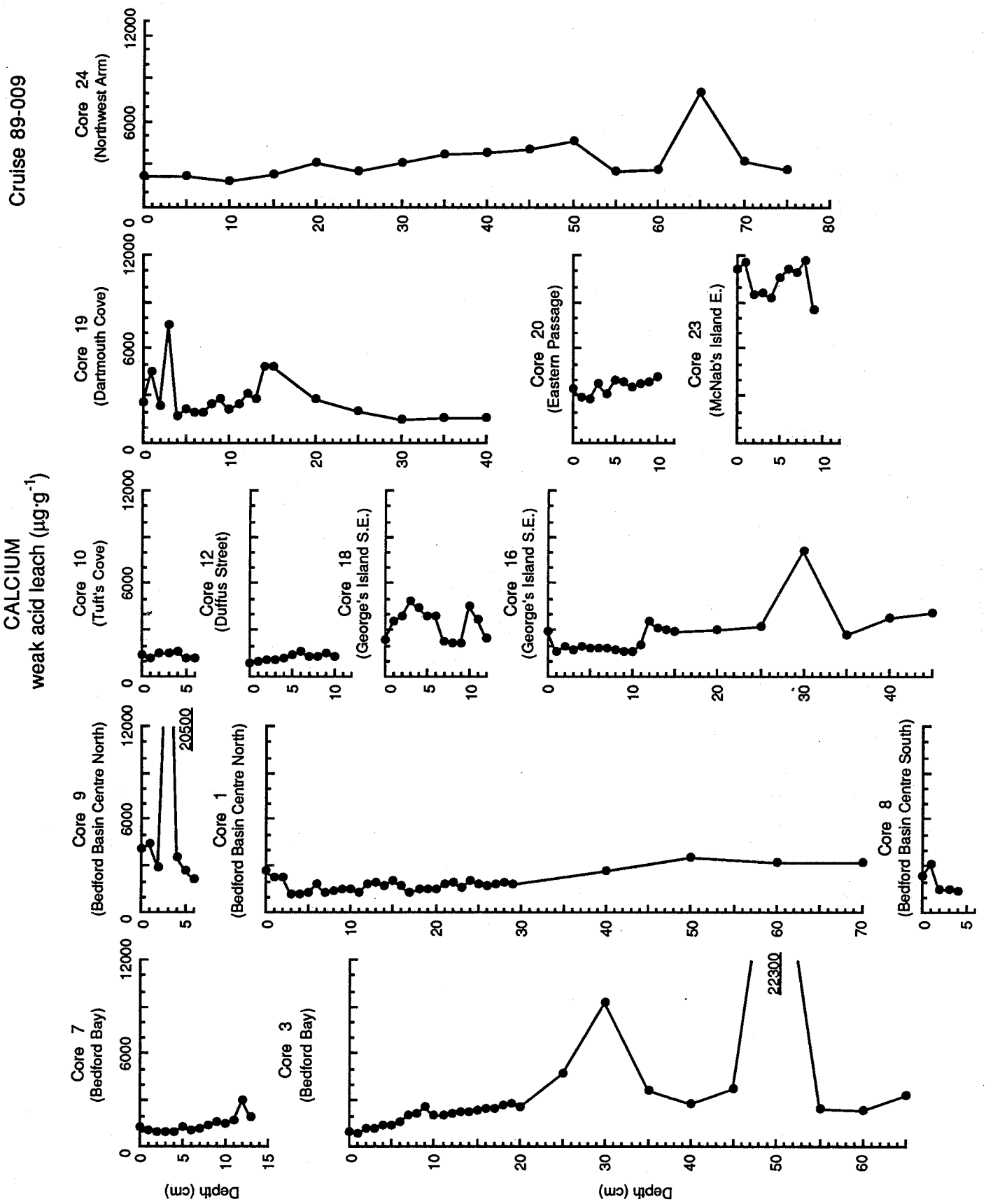

MANGANESE
hydroxylamine leach (µg·g-1)
Core 7
(Bedford Bay)
Core 9
(Bedford Basin Centre North)
Core 10
(Tuft's Cove)
Core 19
(Dartmouth Cove)
Core 24
(Northwest Arm)
Core 1
(Bedford Basin Centre North)
Core 12
(Duffus Street)
Core 3
(Bedford Bay)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 8
(Bedford Basin Centre South)
Depth (cm)
0 200 400 600 800 1000

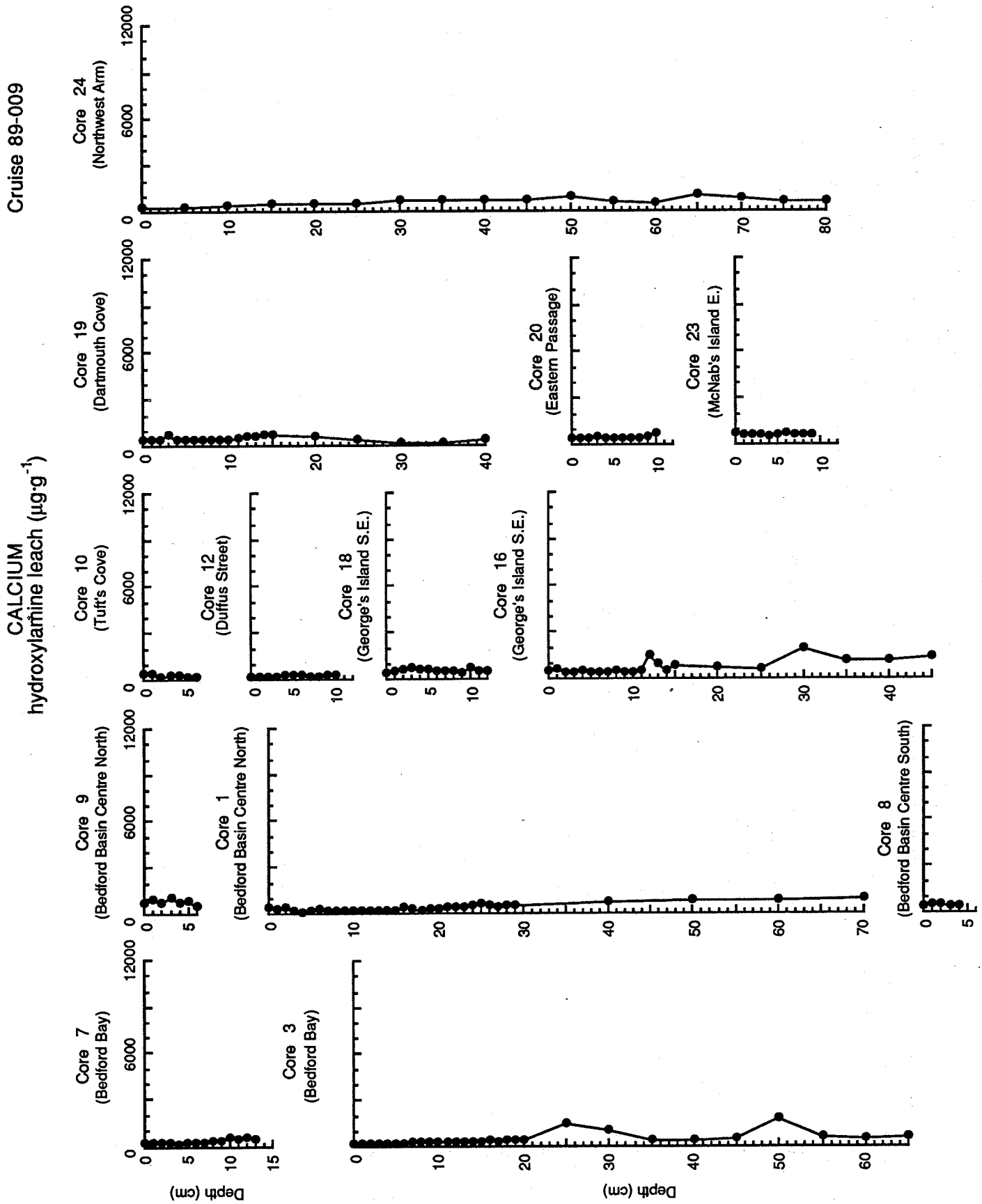

MANGANESE
heated hydroxylamine leach (µg·g-1)
Cruise 89-009
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

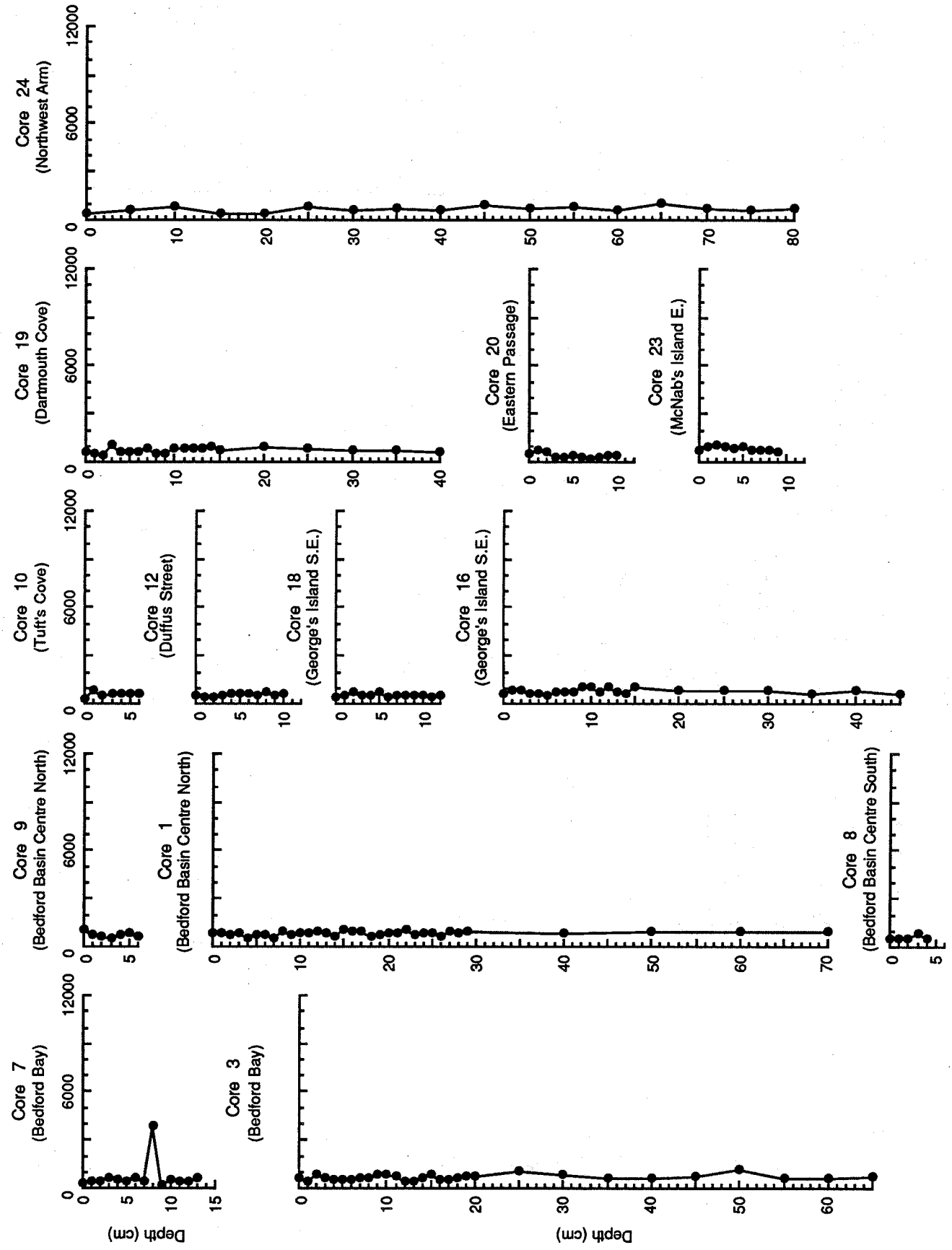

Cruise 89-009
MANGANESE
leach residual (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

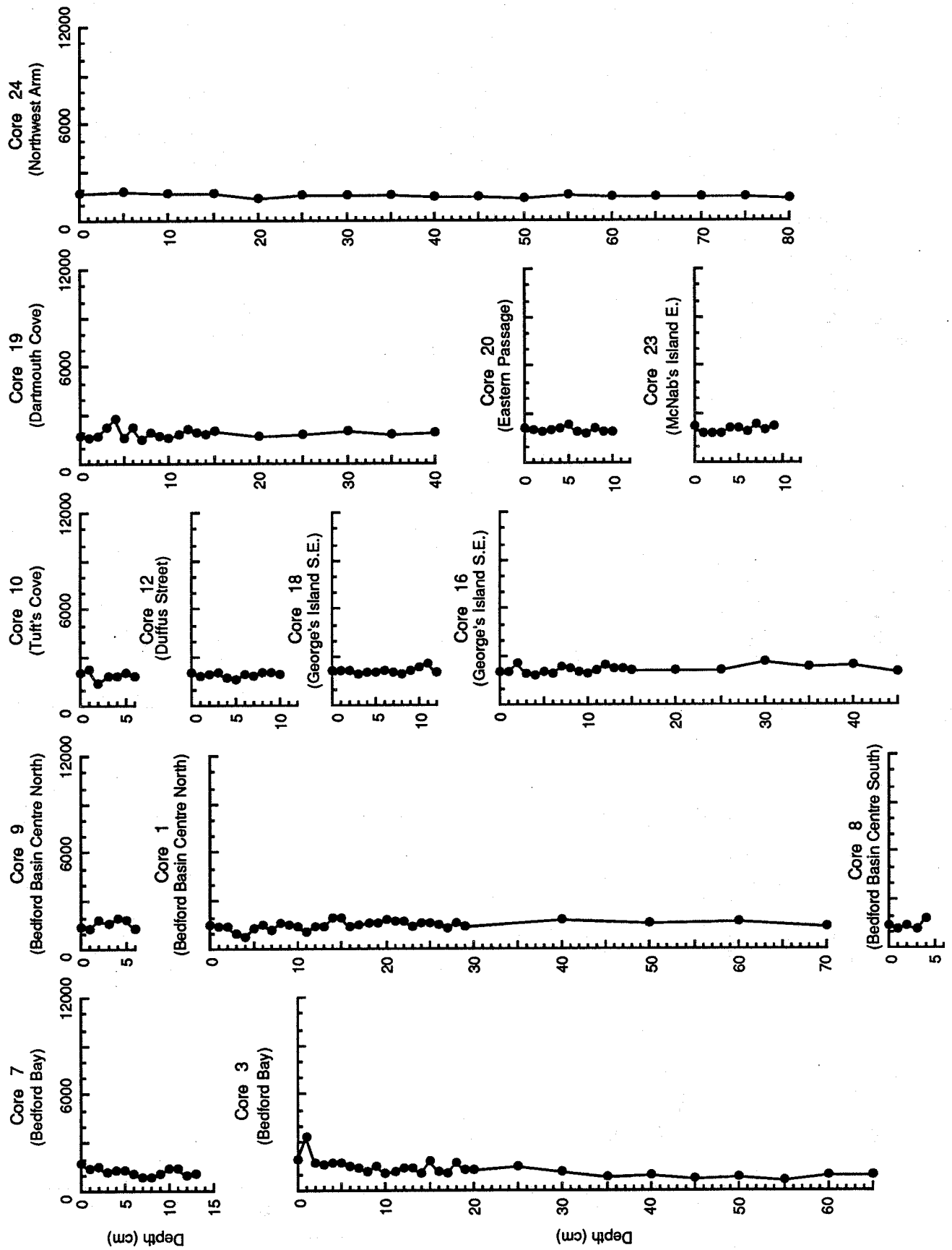

Cruise 89-009
MANGANESE
total (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
1170
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

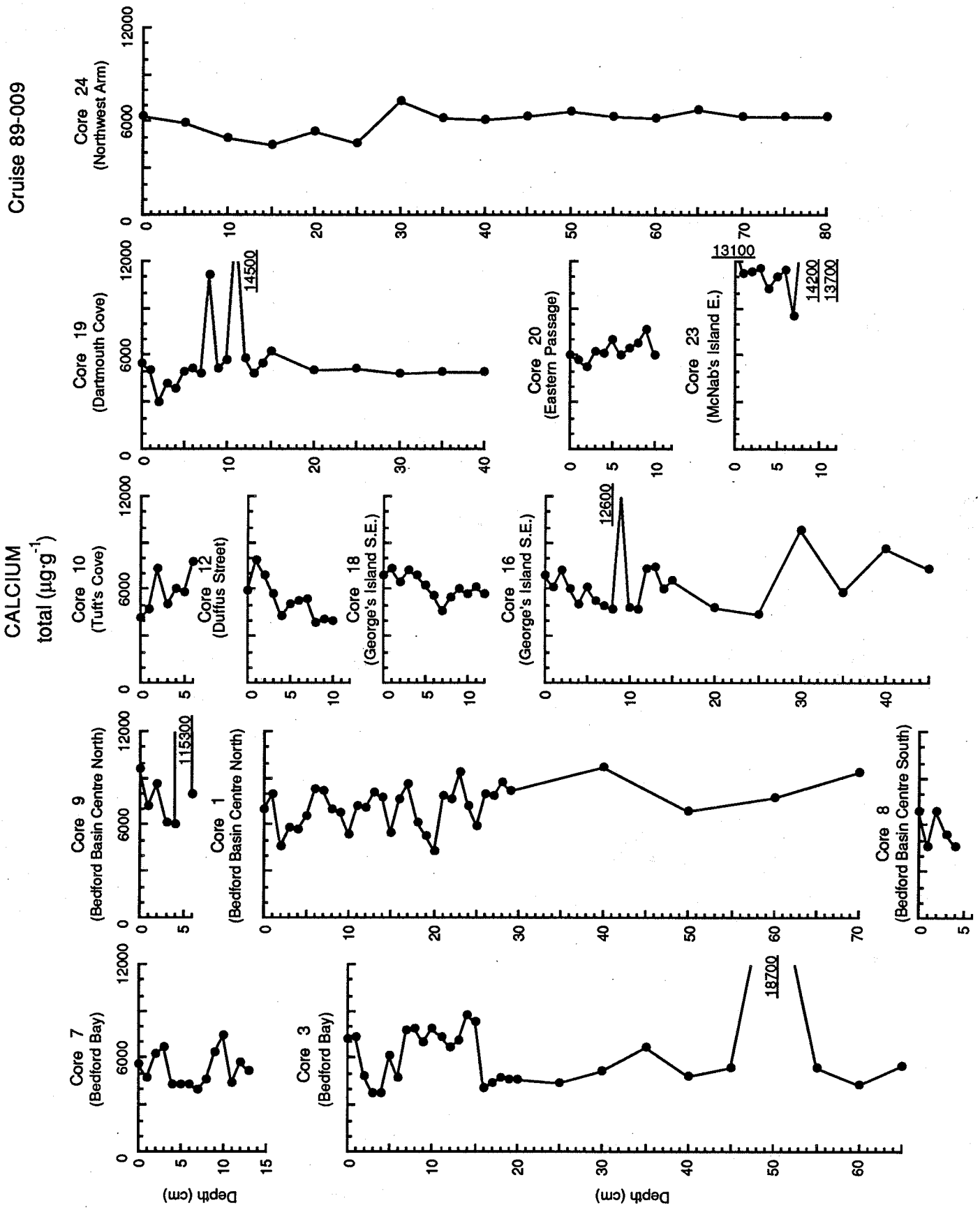

MANGANESE
peroxide leach (µg·g⁻¹)
Cruise 89-009
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

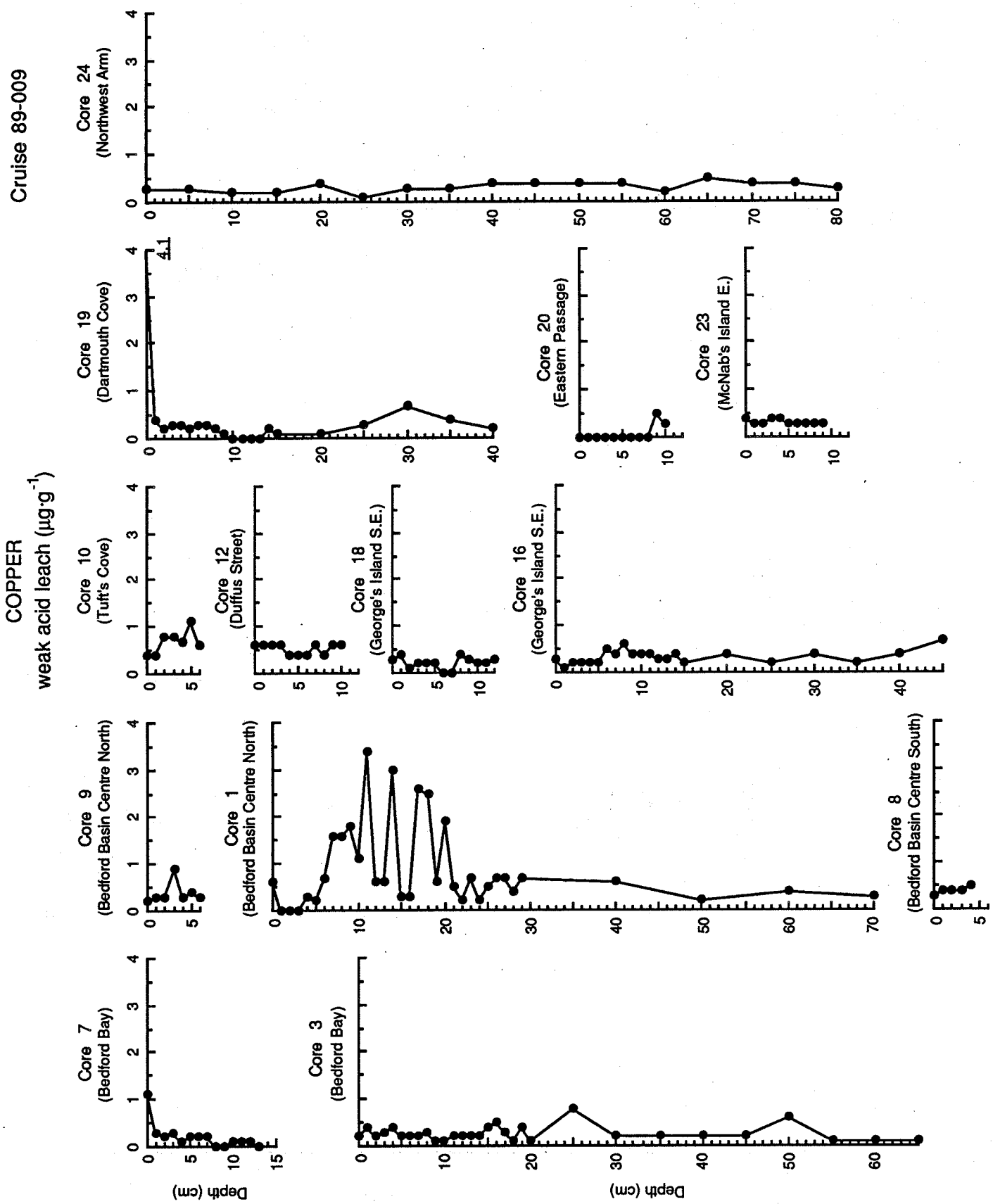

Cruise 89-009
CALCIUM
weak acid leach (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
20500
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
22300
Depth (cm)
Depth (cm)

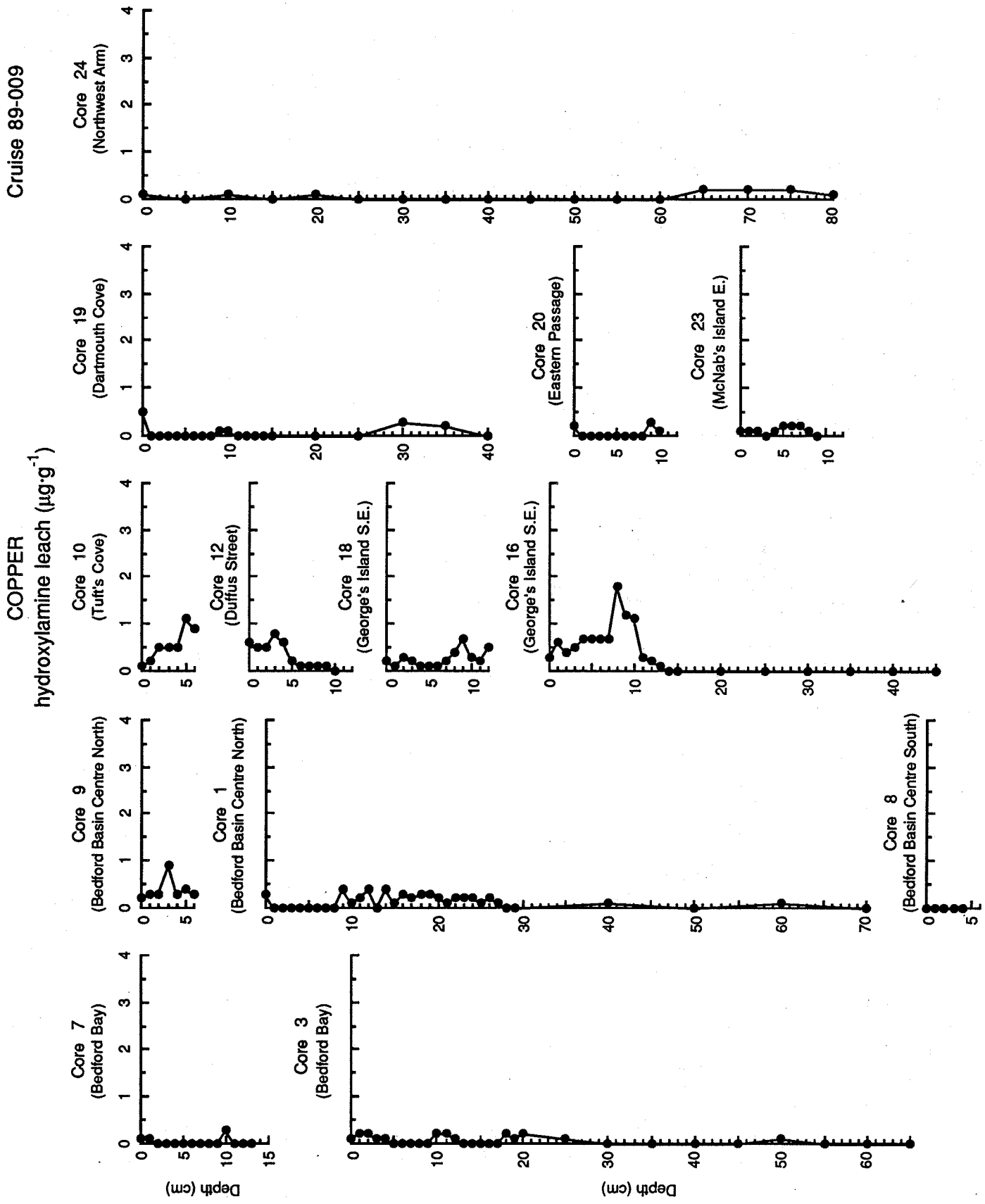

Cruise 89-009
CALCIUM
hydroxylamine leach (µg·g-1)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

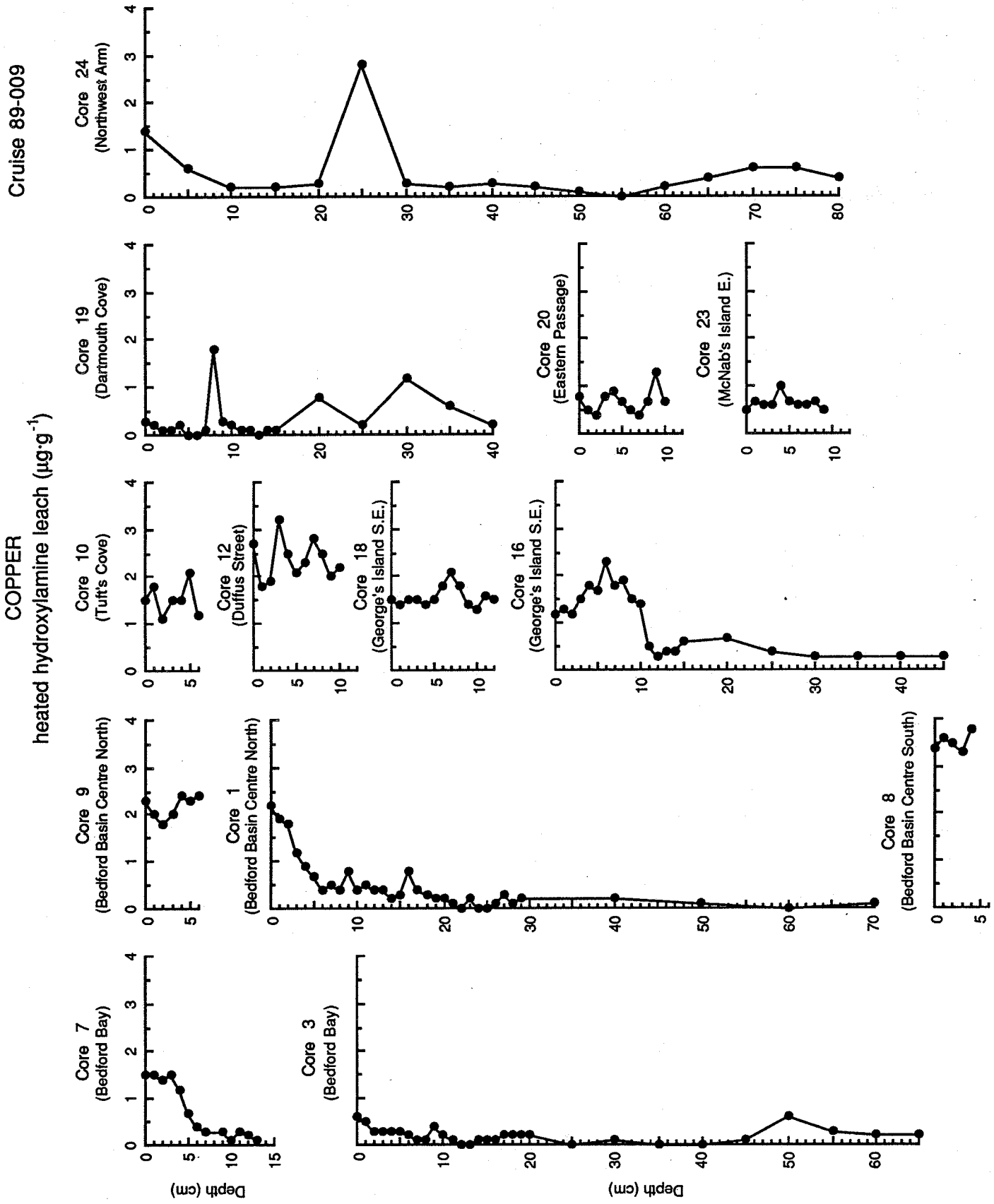

CALCIUM
heated hydroxylamine leach (µg·g-1)
Cruise 89-009
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

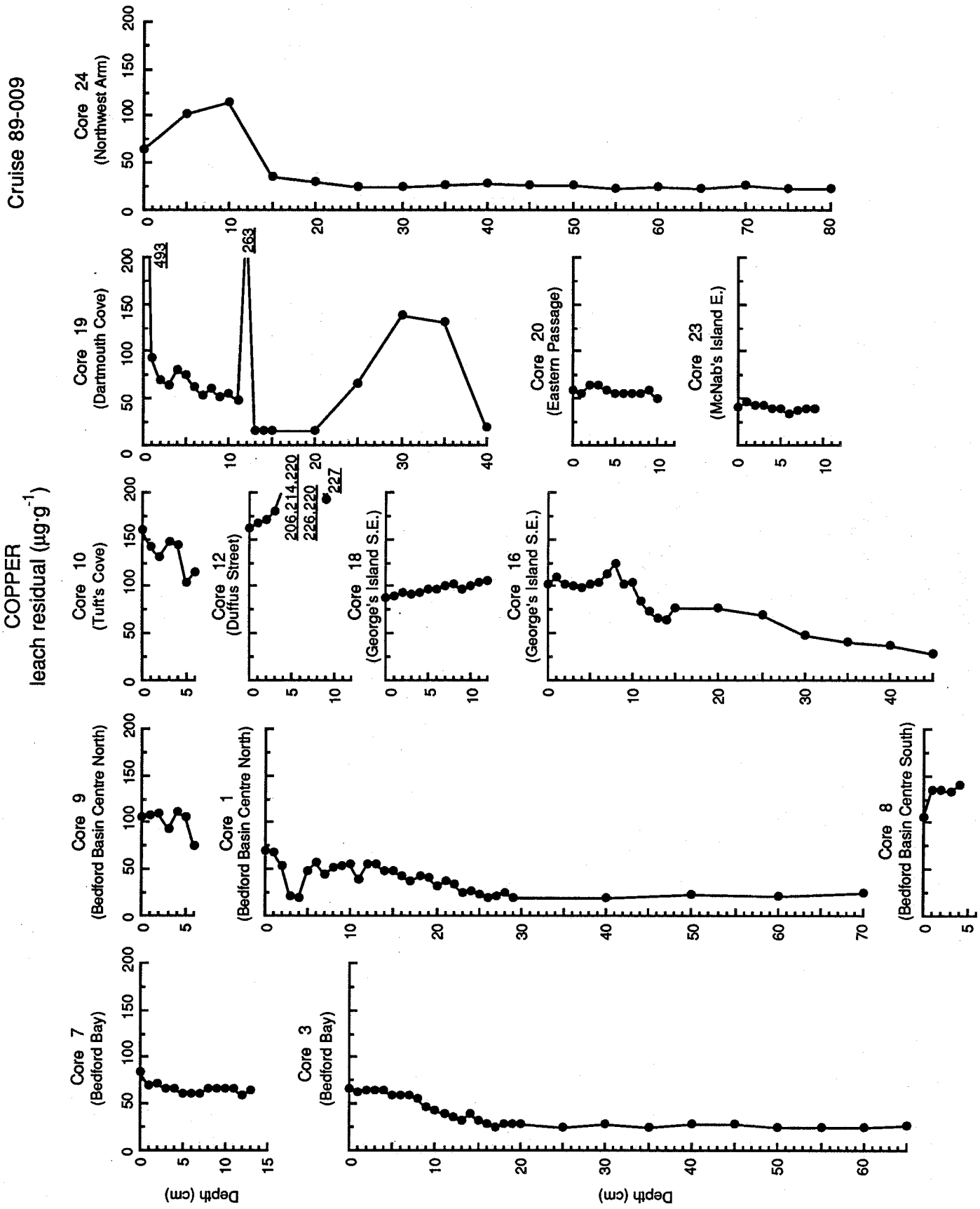

Cruise 89-009
CALCIUM
leach residual (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

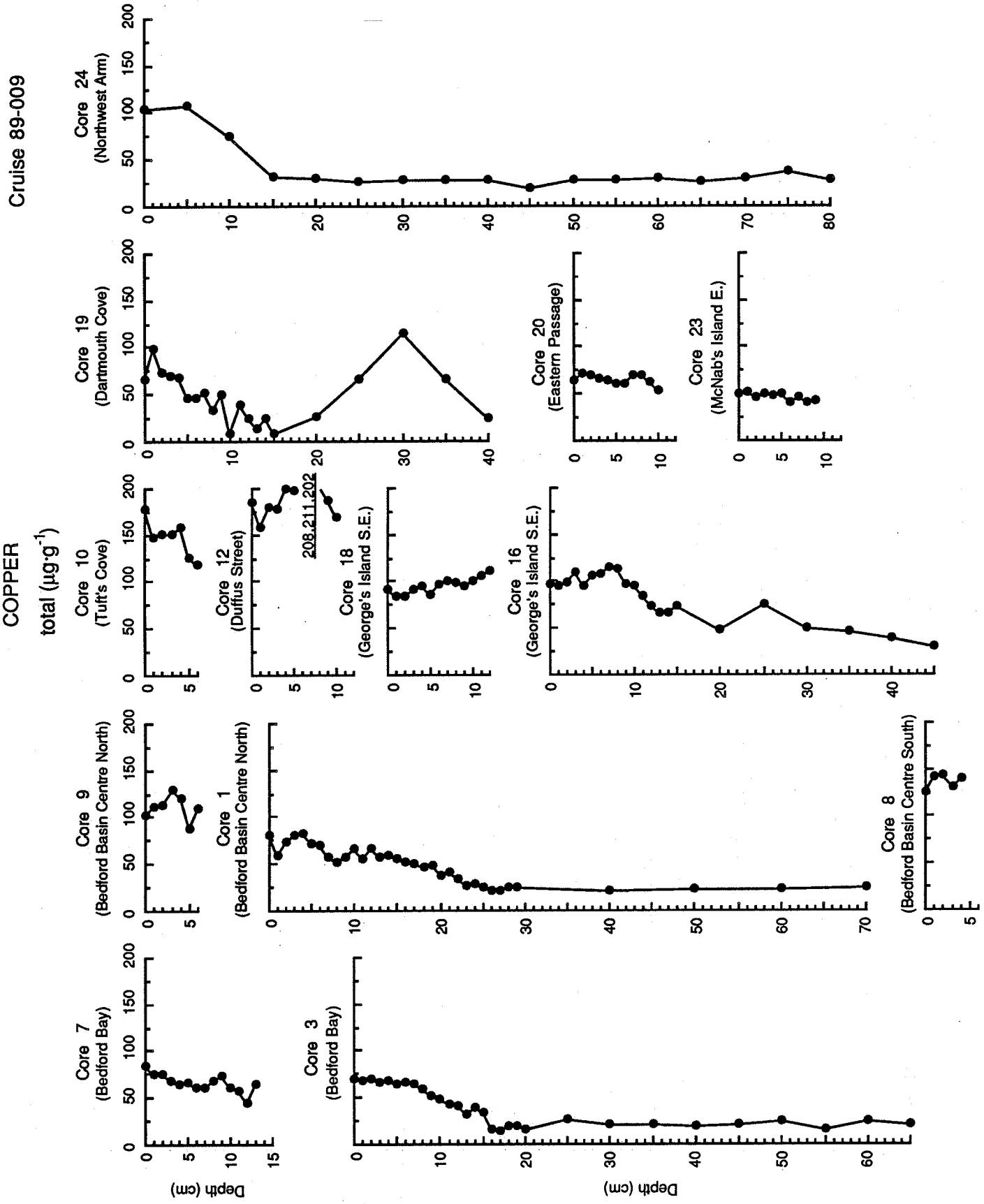

Cruise 89-009
CALCIUM
total (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
14500
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
13100
14200
13700
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
12600
Core 9
(Bedford Basin Centre North)
115300
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
18700
Depth (cm)
Depth (cm)

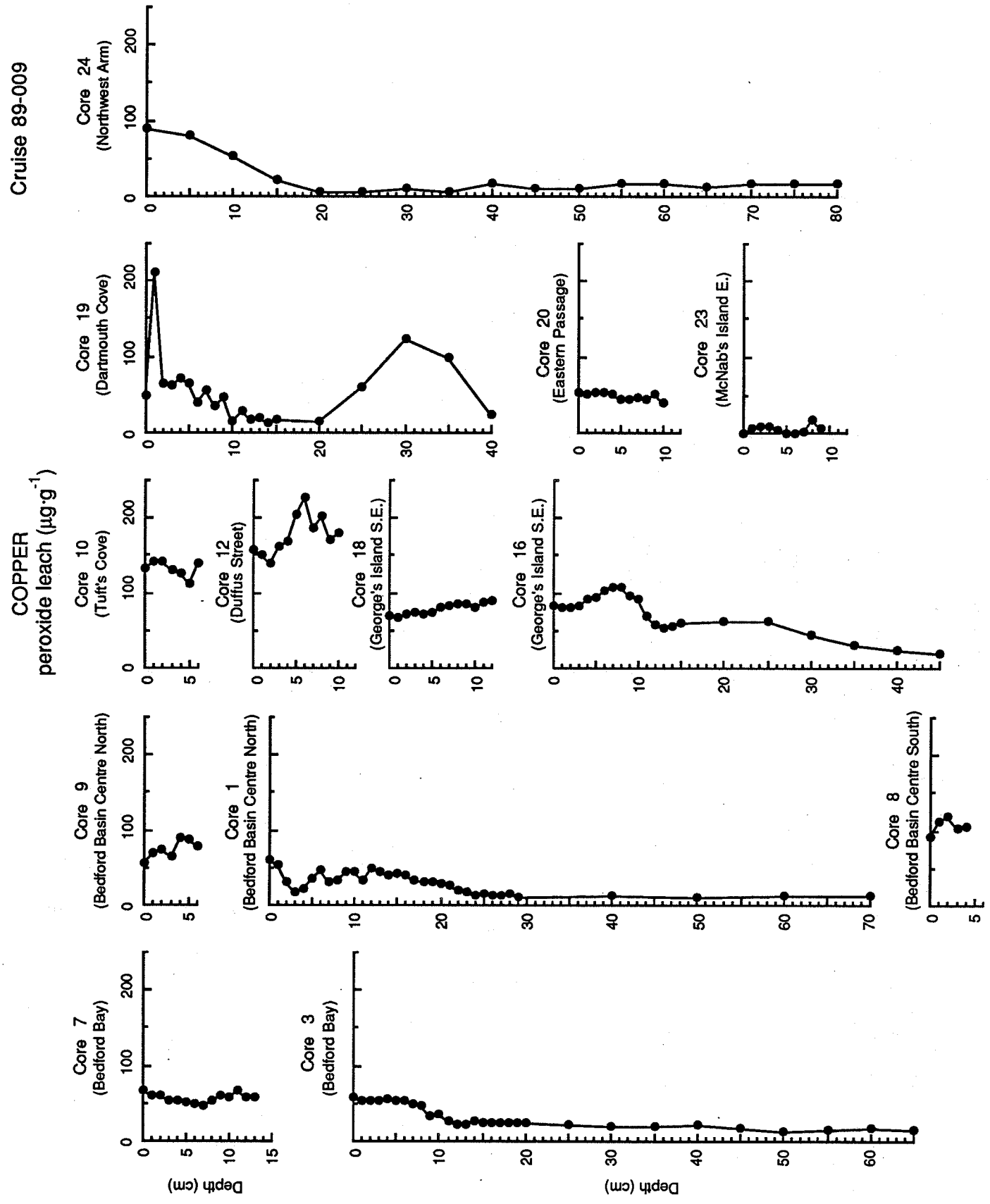

Cruise 89-009
COPPER
weak acid leach (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
4.1
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

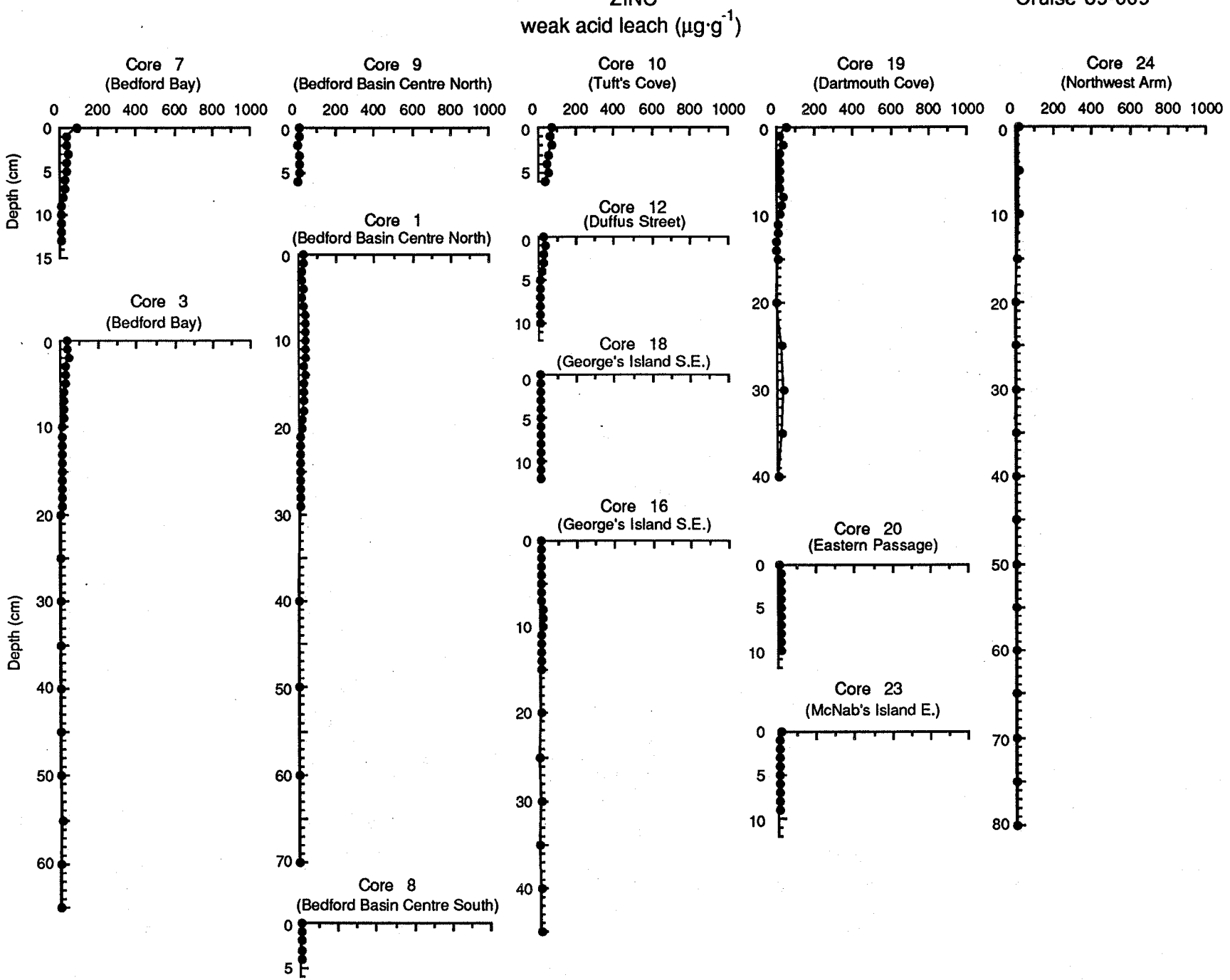

Cruise 89-009
COPPER
hydroxylamine leach (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

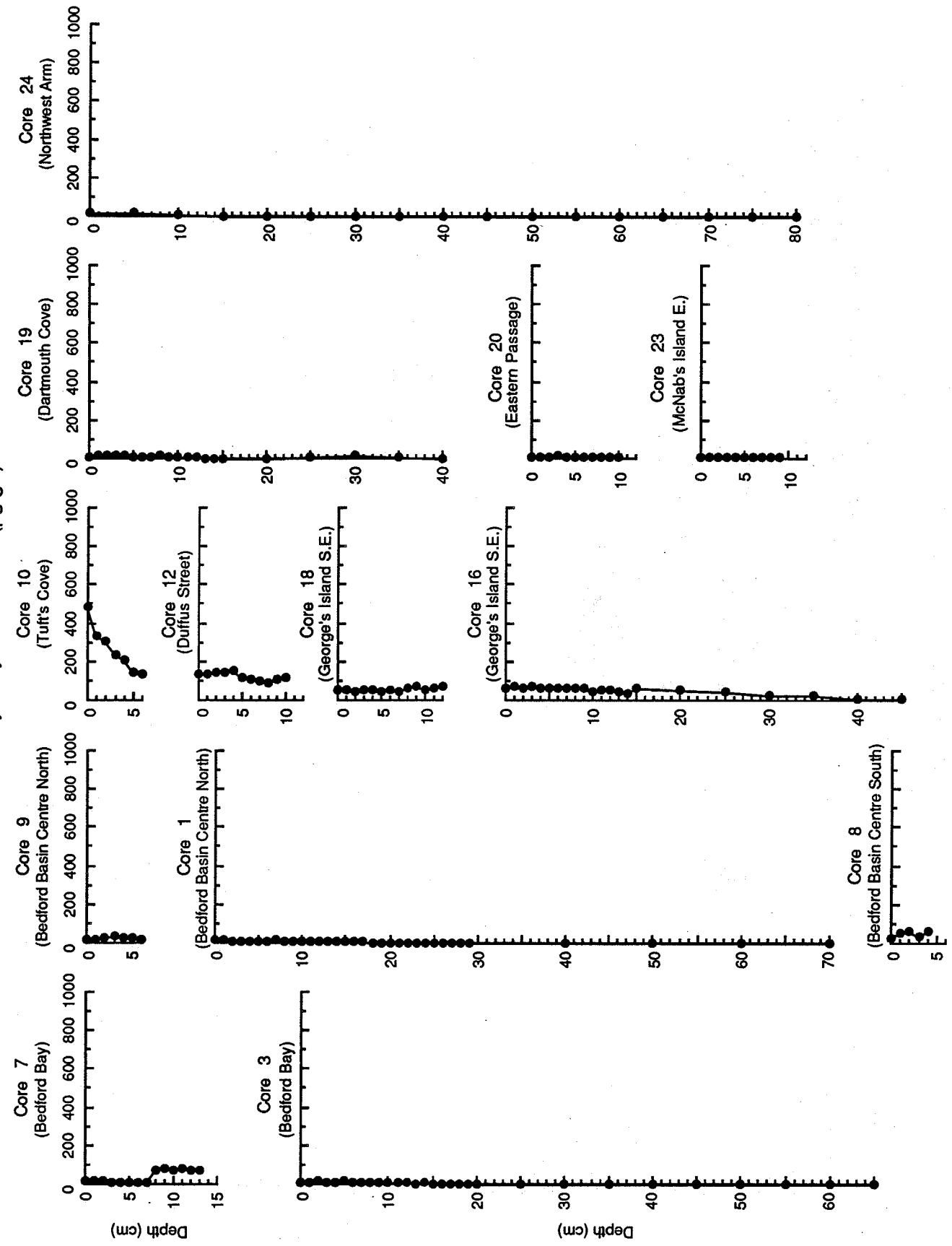

Cruise 89-009
COPPER
heated hydroxylamine leach (µg·g-1)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

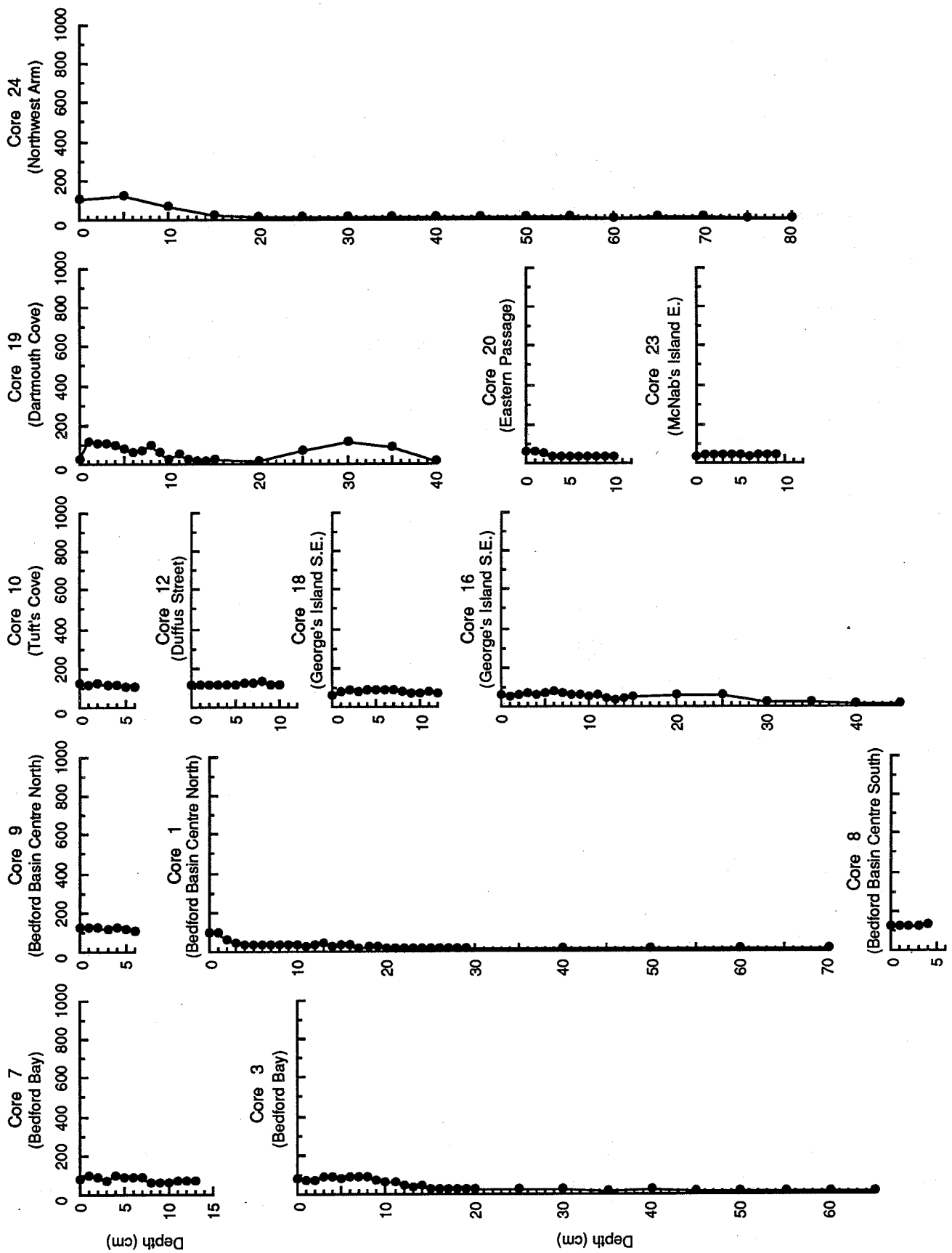

Cruise 89-009
COPPER
leach residual (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
493
263
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
206,214,220
226,220
227
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

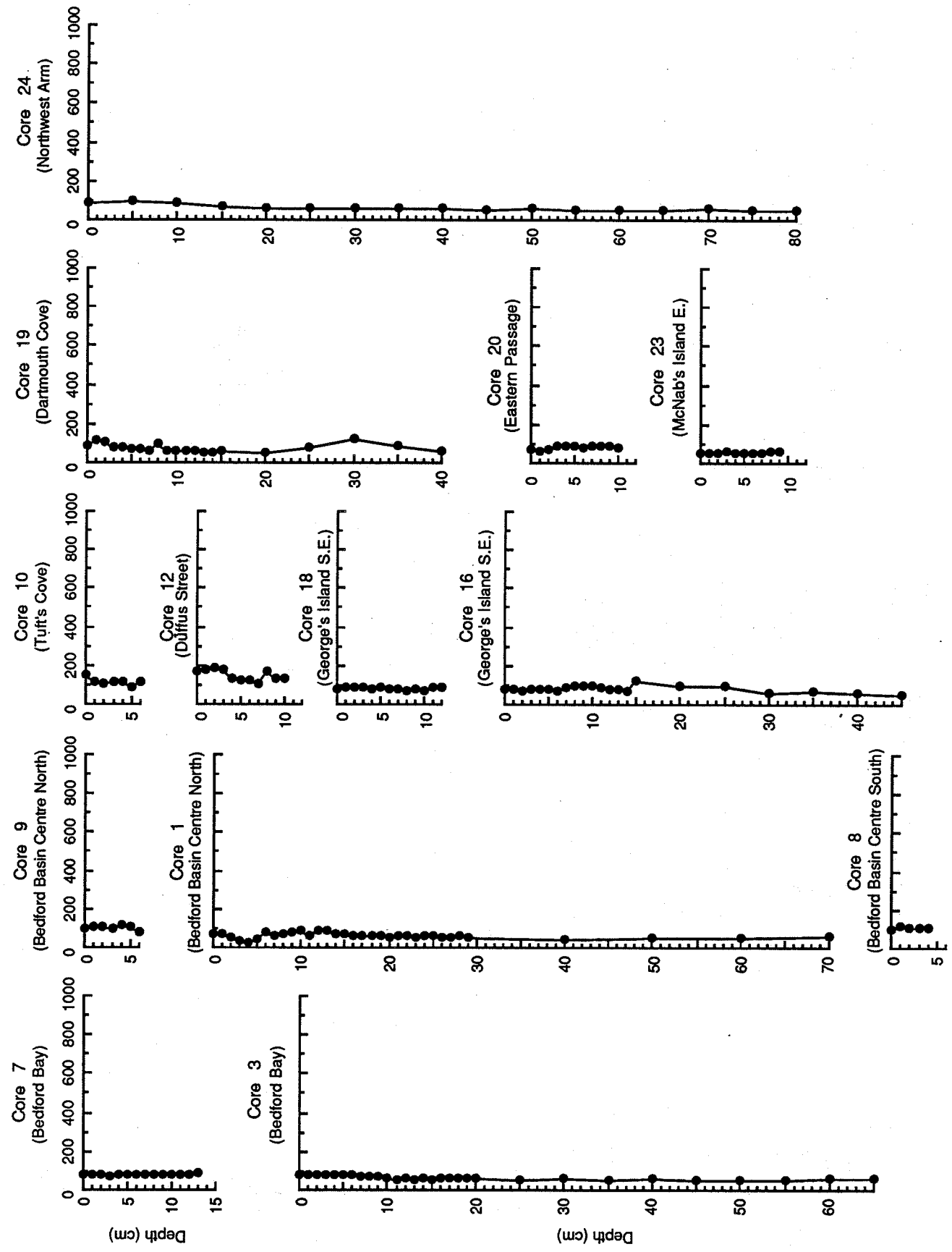

Cruise 89-009
COPPER
total (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
208.211.202
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

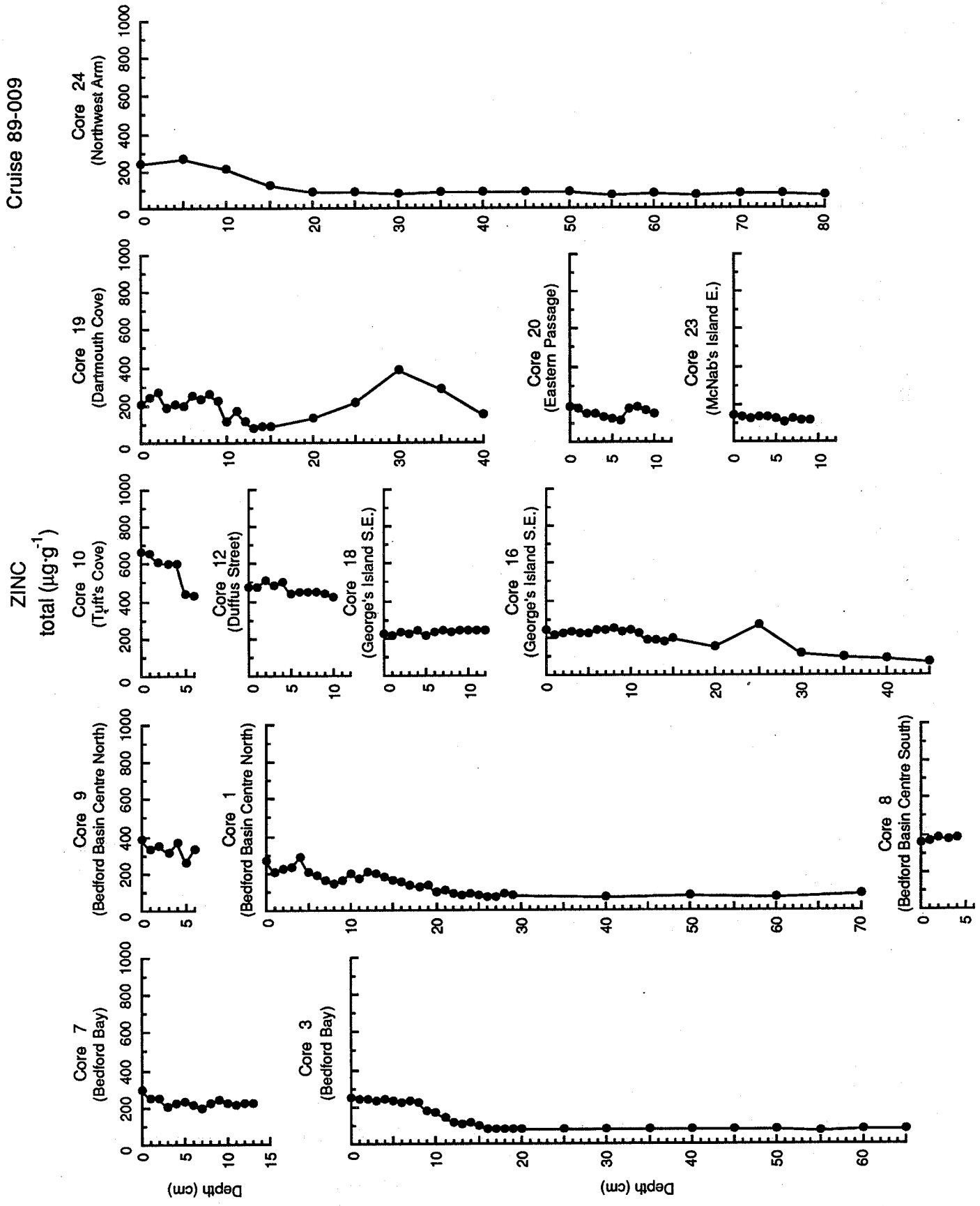

Cruise 89-009
COPPER
peroxide leach (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

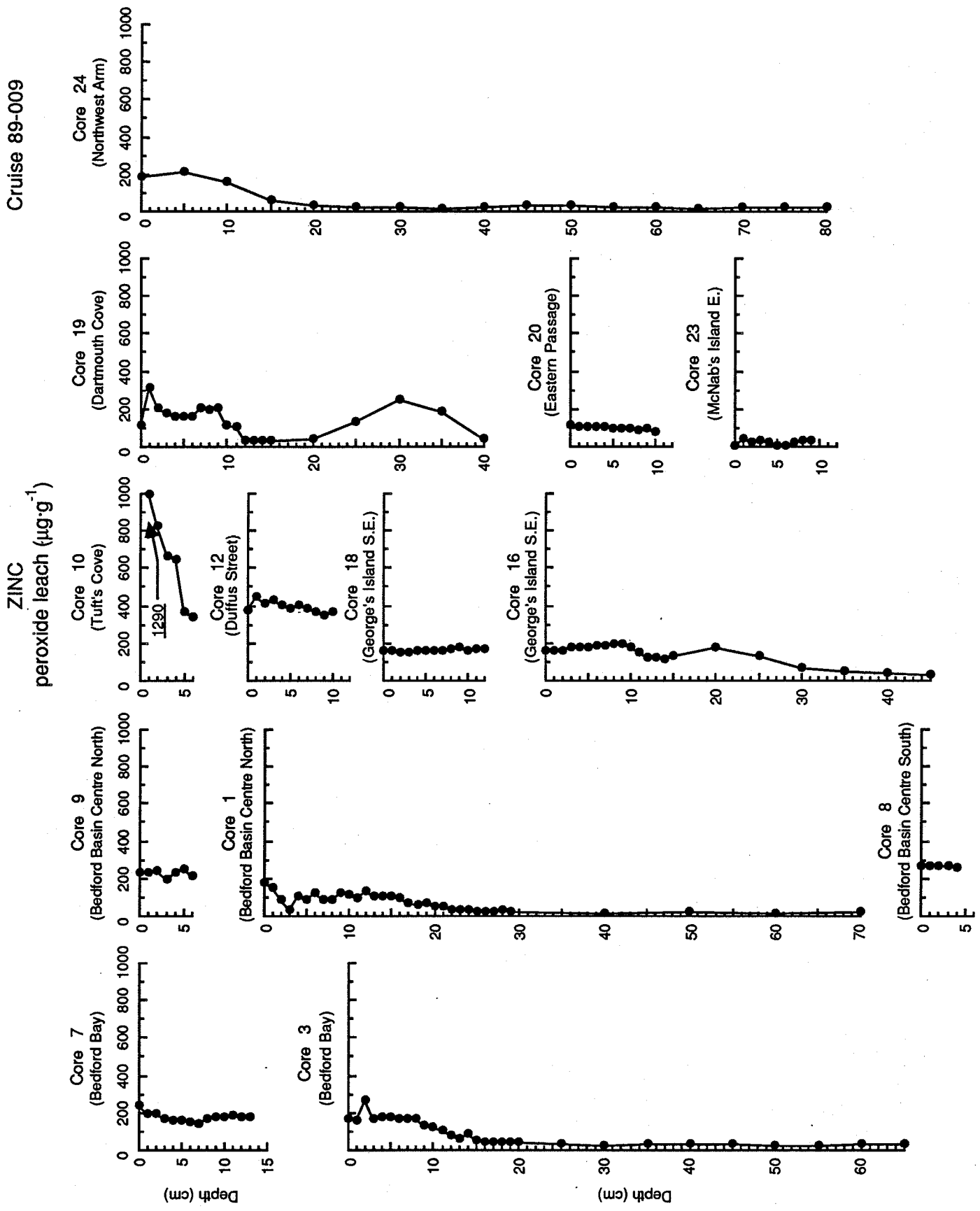

ZINC
weak acid leach (µg·g⁻¹)
Core 7
(Bedford Bay)
Core 9
(Bedford Basin Centre North)
Core 10
(Tuft's Cove)
Core 19
(Dartmouth Cove)
Core 24
(Northwest Arm)
Core 1
(Bedford Basin Centre North)
Core 12
(Duffus Street)
Core 3
(Bedford Bay)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 8
(Bedford Basin Centre South)
Depth (cm)
0 200 400 600 800 1000

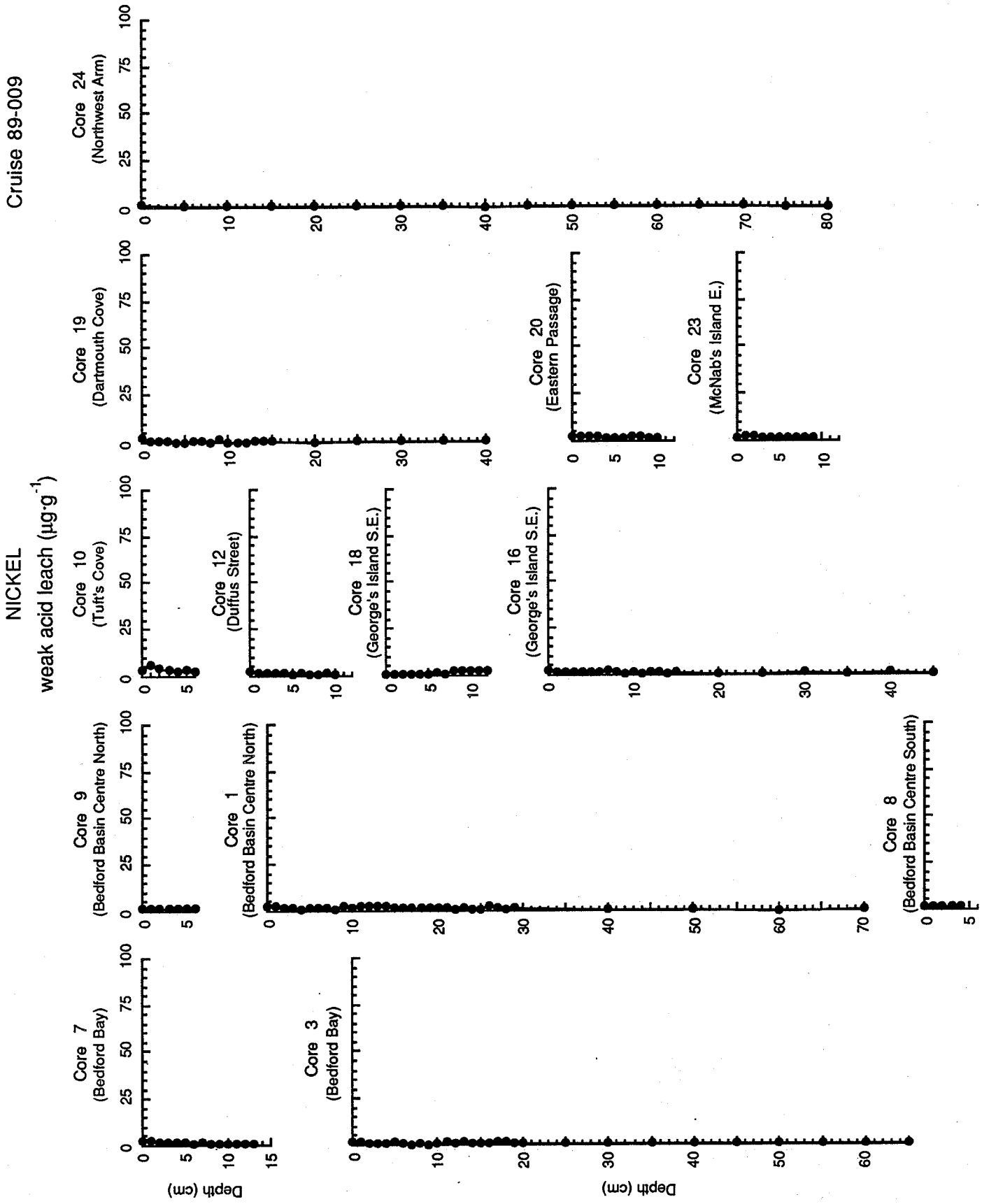

Cruise 89-009
ZINC
hydroxylamine leach (µg·g-1)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

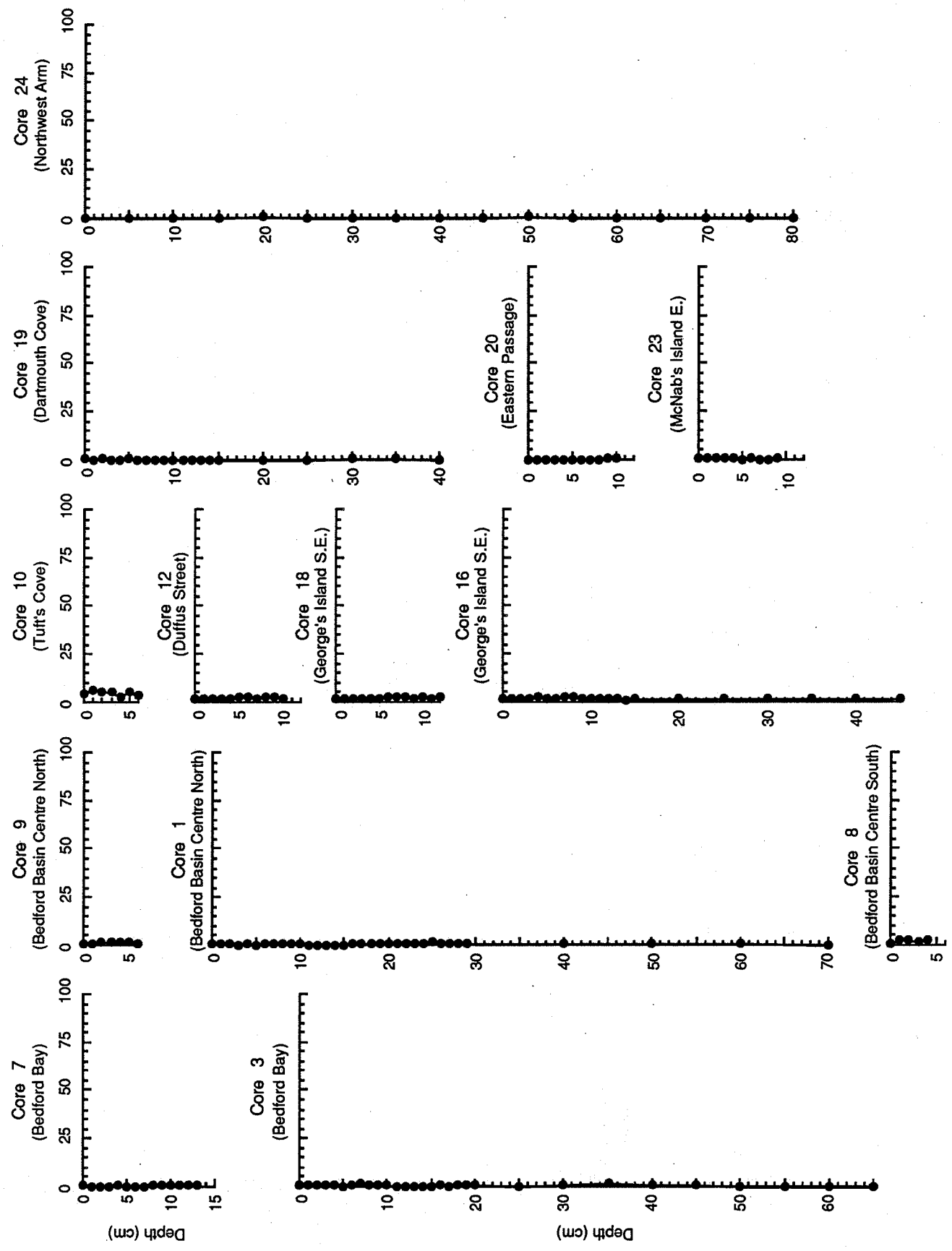

Cruise 89-009
ZINC
heated hydroxylamine leach (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

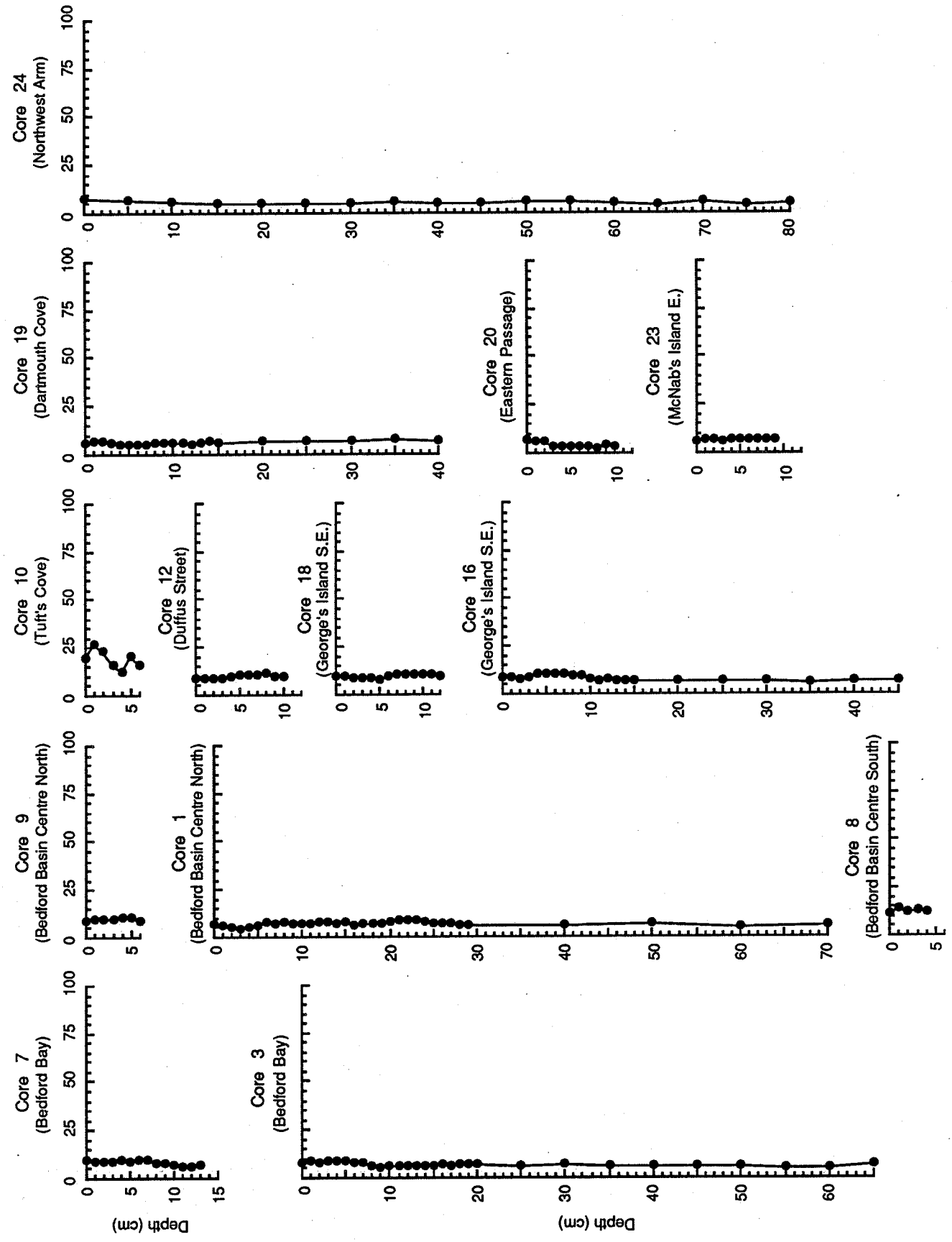

Cruise 89-009
ZINC
leach residual (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

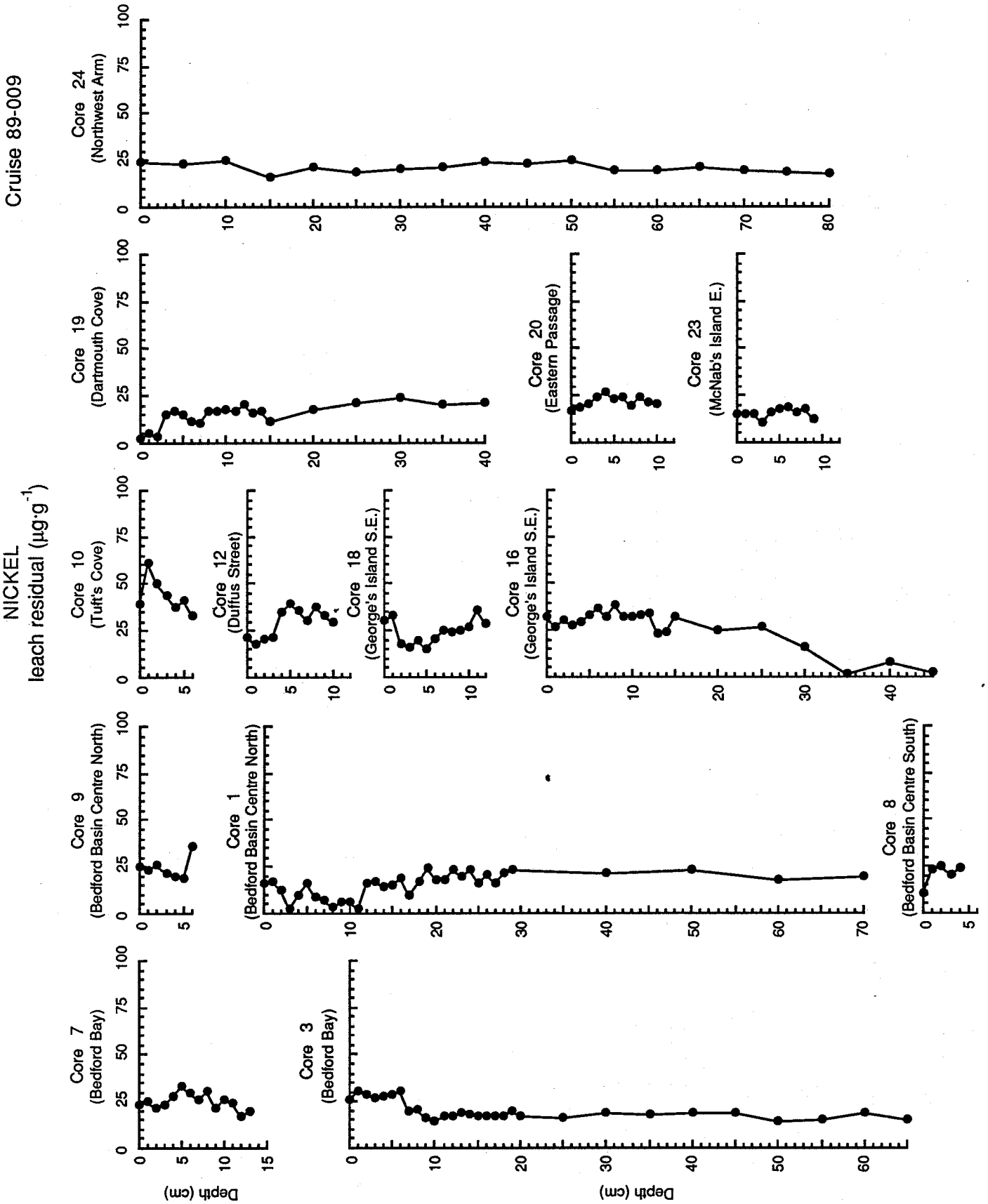

Cruise 89-009
ZINC
total (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

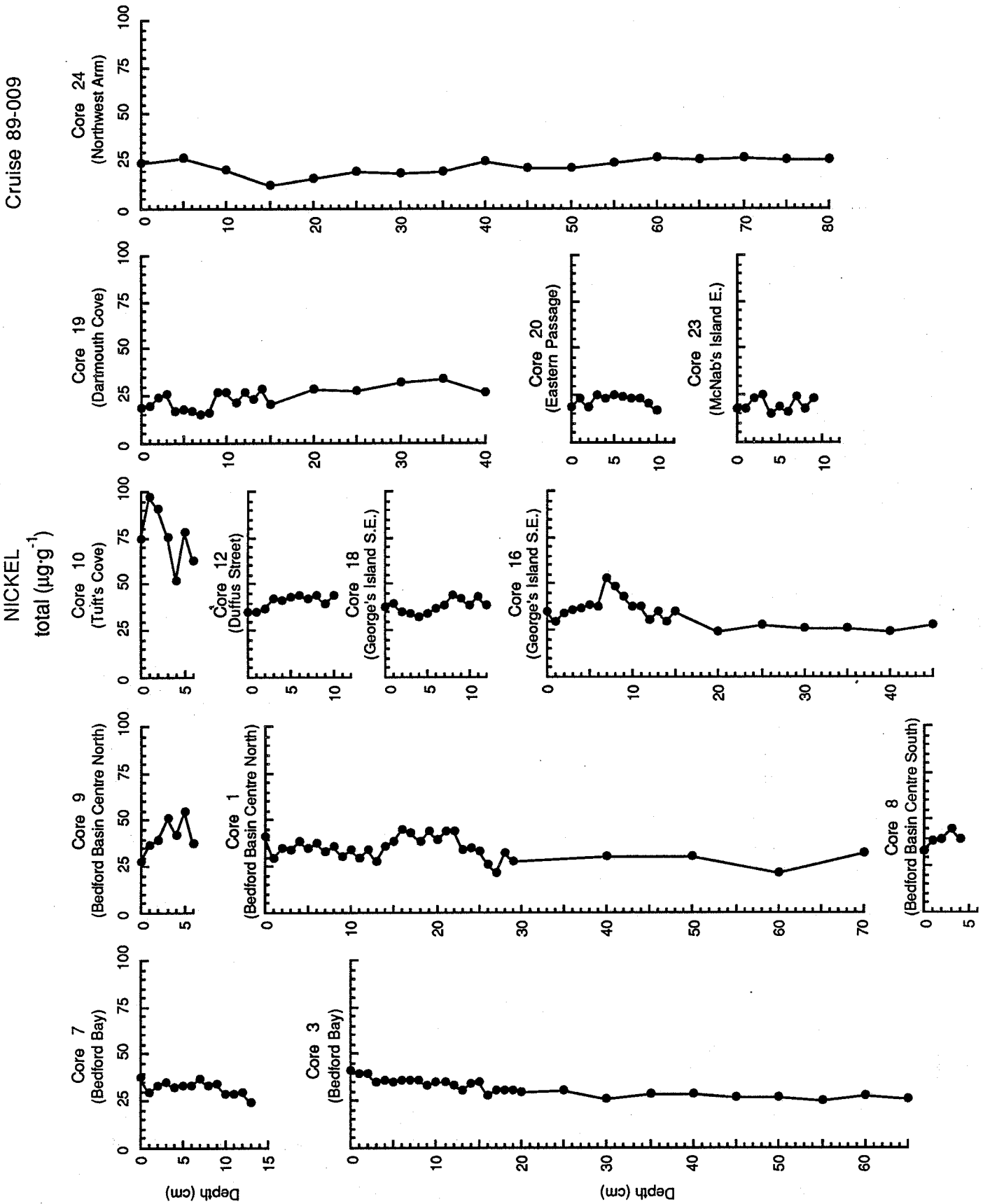

Cruise 89-009
ZINC
peroxide leach (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
1290
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

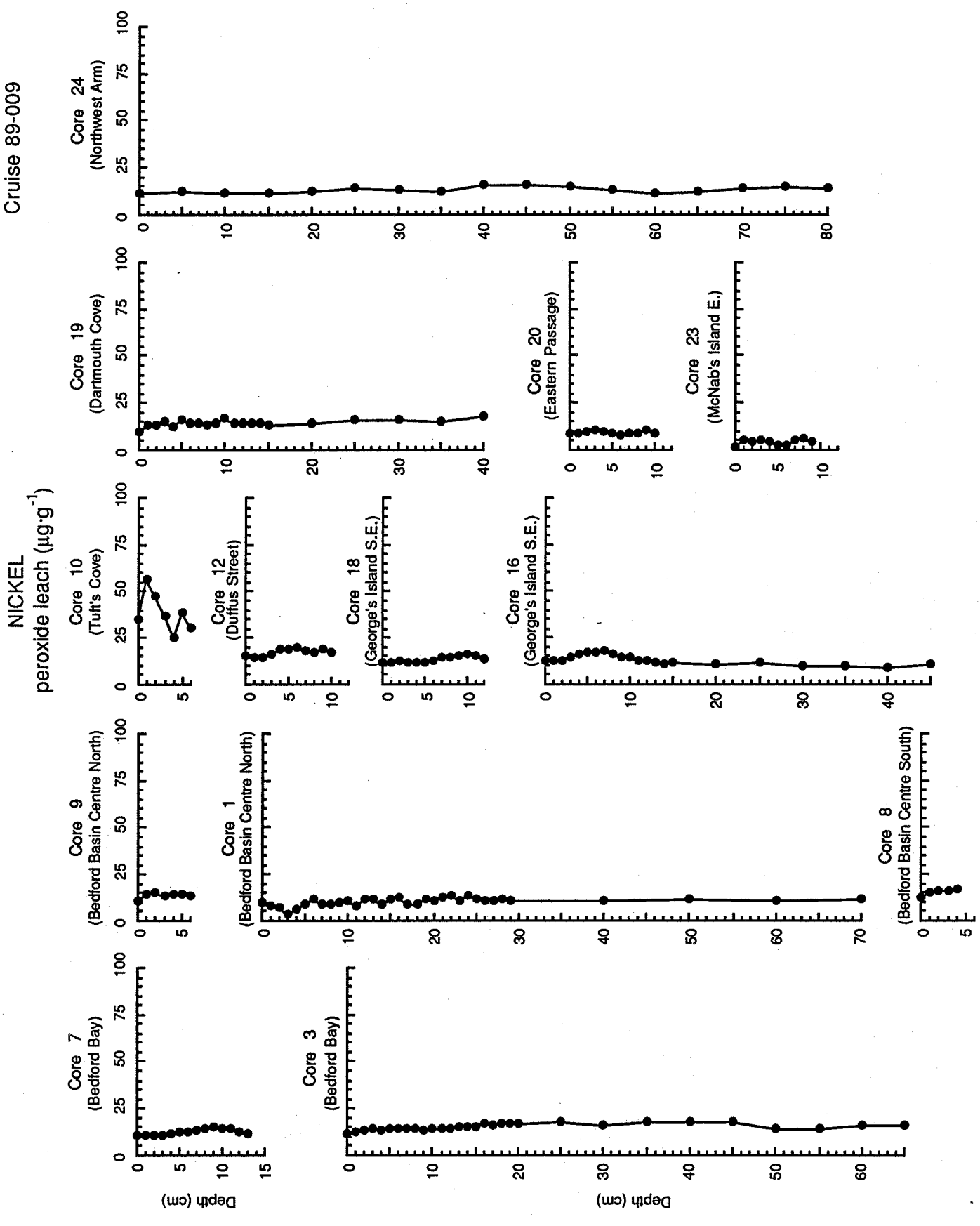

NICKEL
weak acid leach (µg·g⁻¹)
Cruise 89-009
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

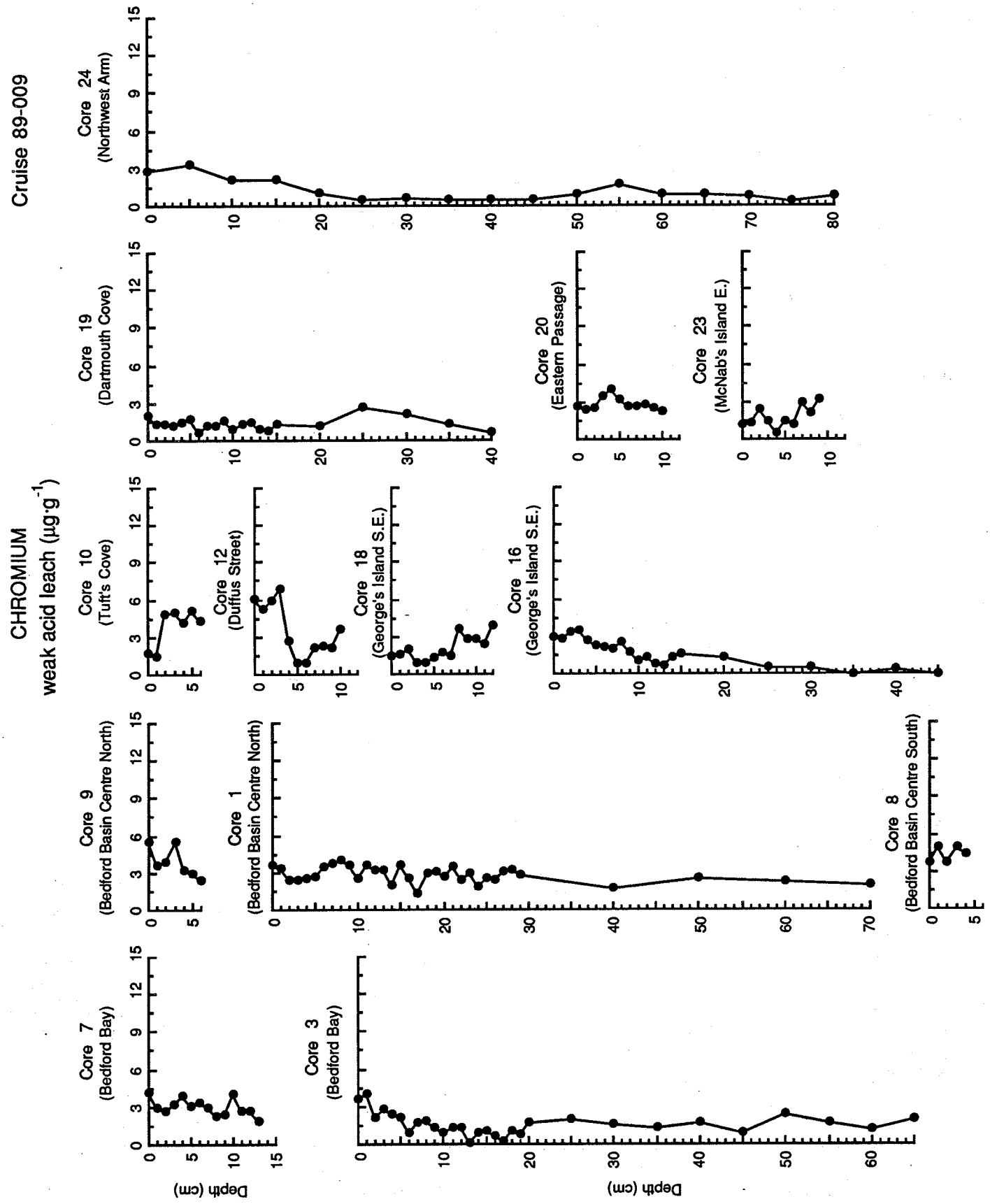

Cruise 89-009
NICKEL
hydroxylamine leach (µg·g-1)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

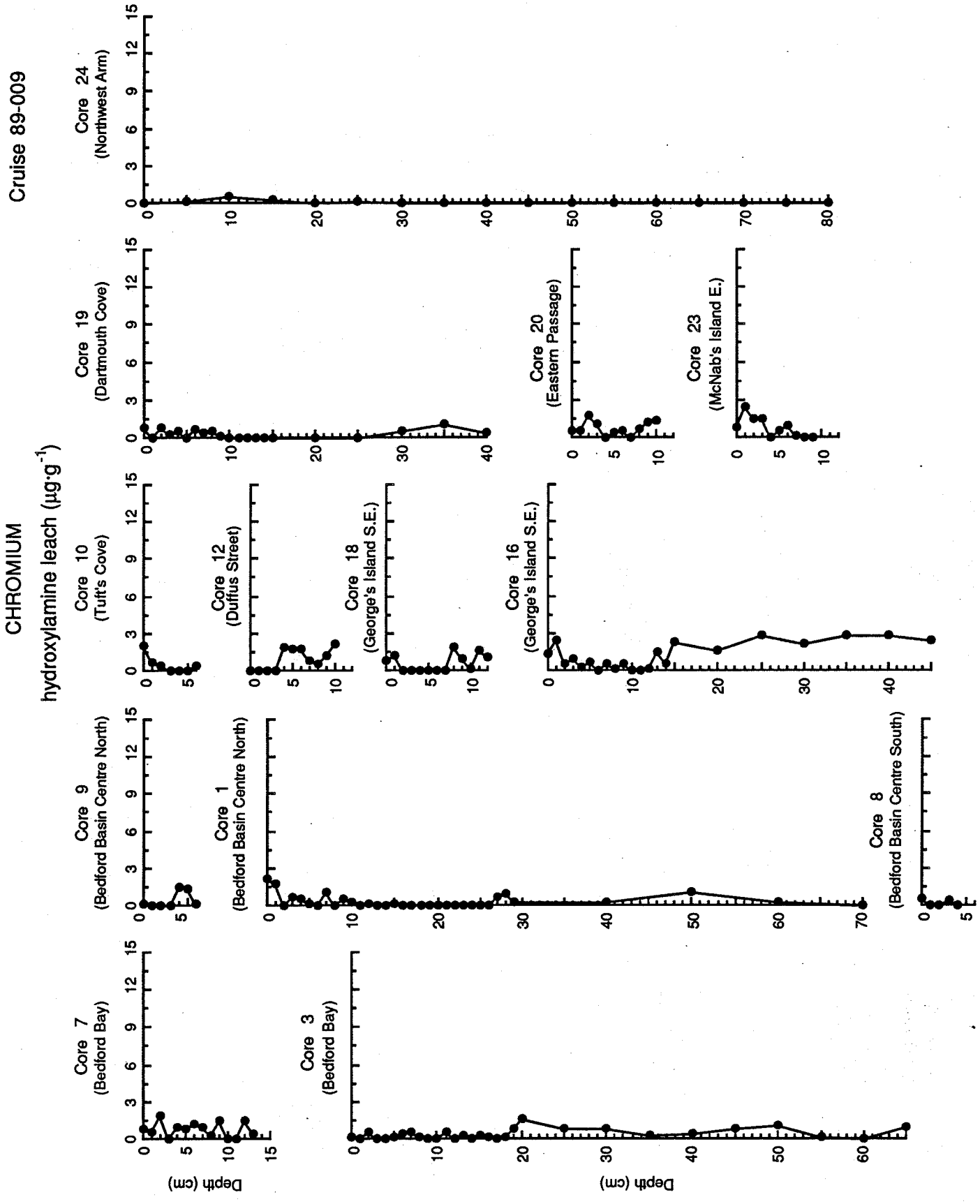

Cruise 89-009
NICKEL
heated hydroxylamine leach (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

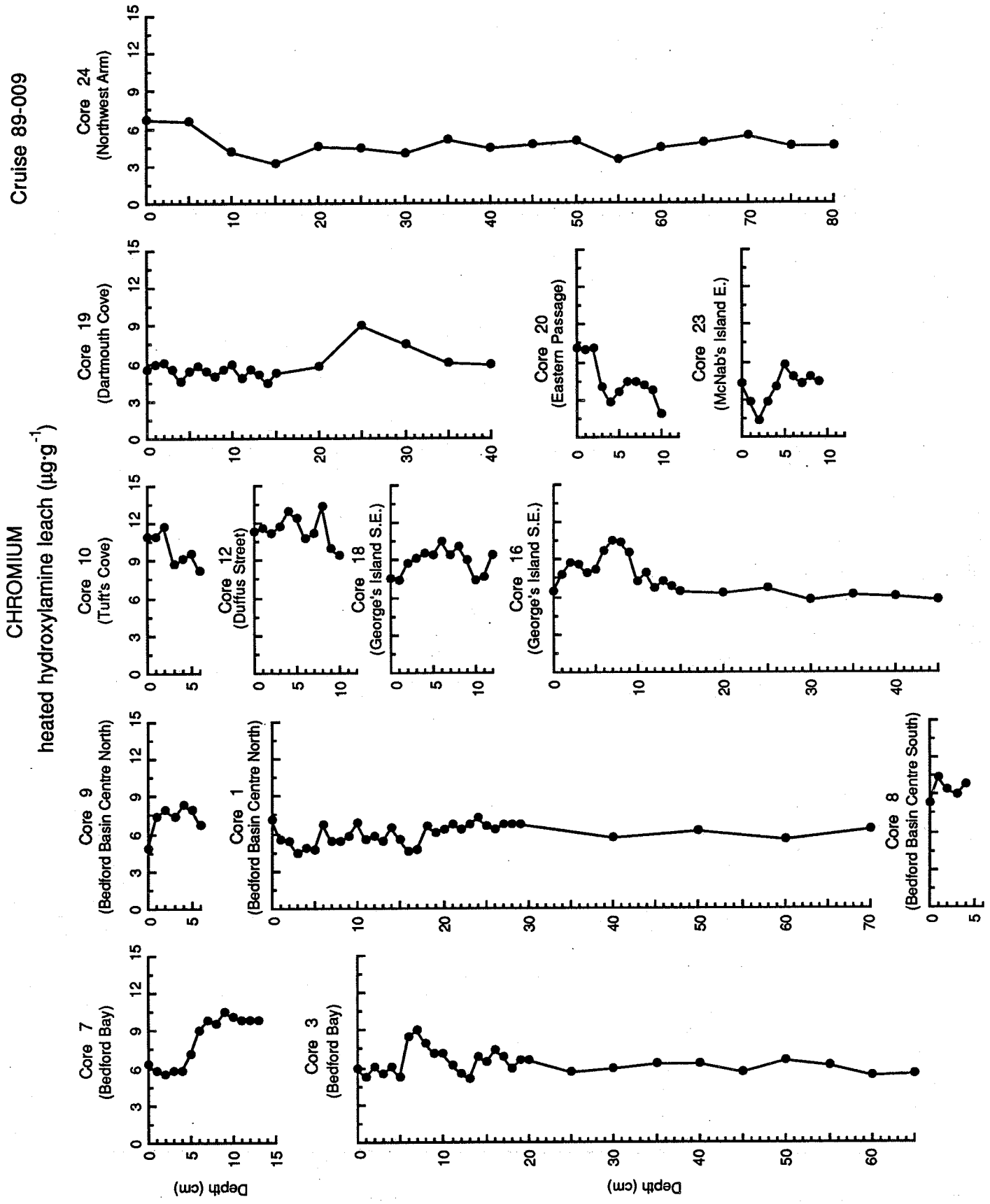

Cruise 89-009
NICKEL
leach residual (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

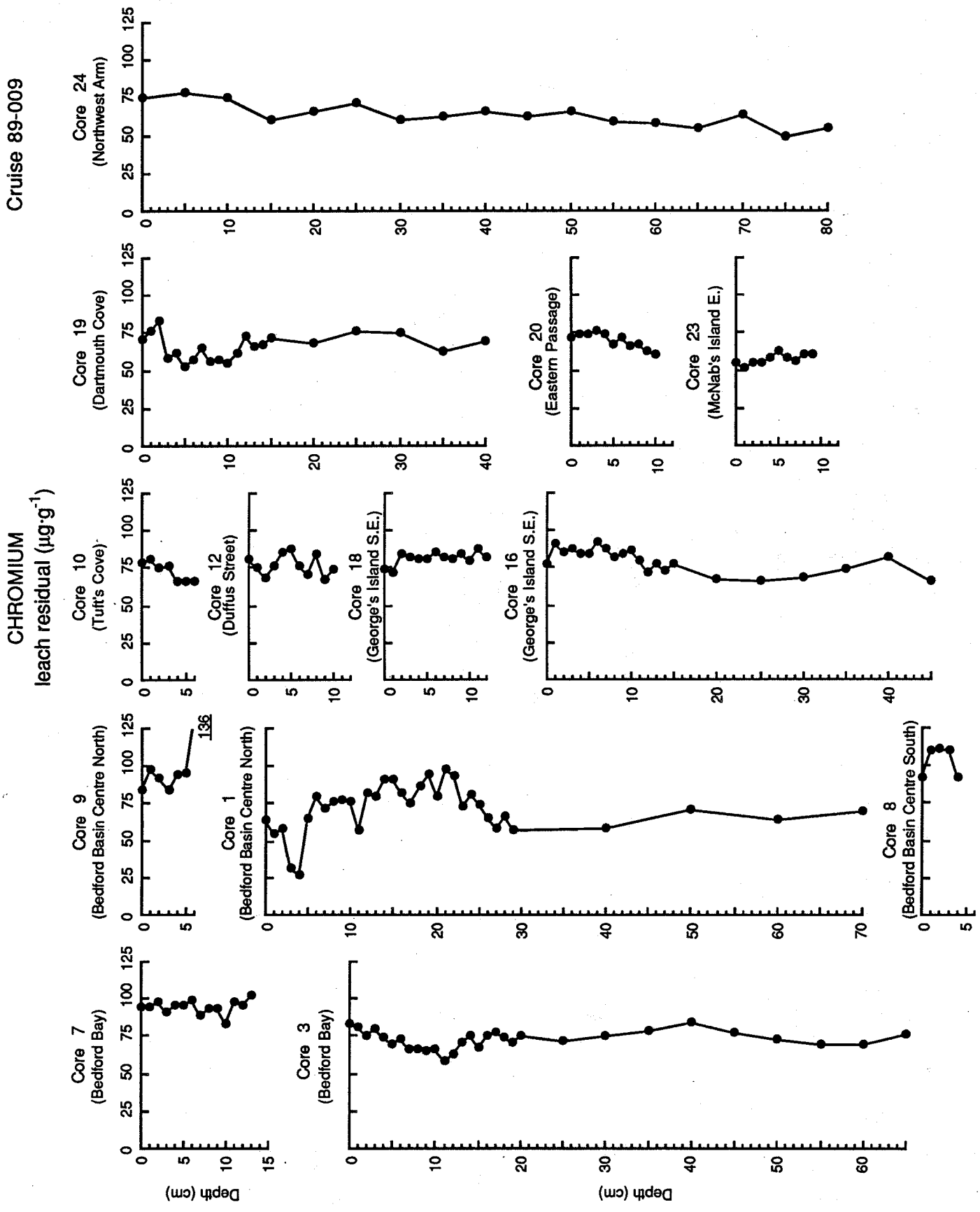

Cruise 89-009
NICKEL
total (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

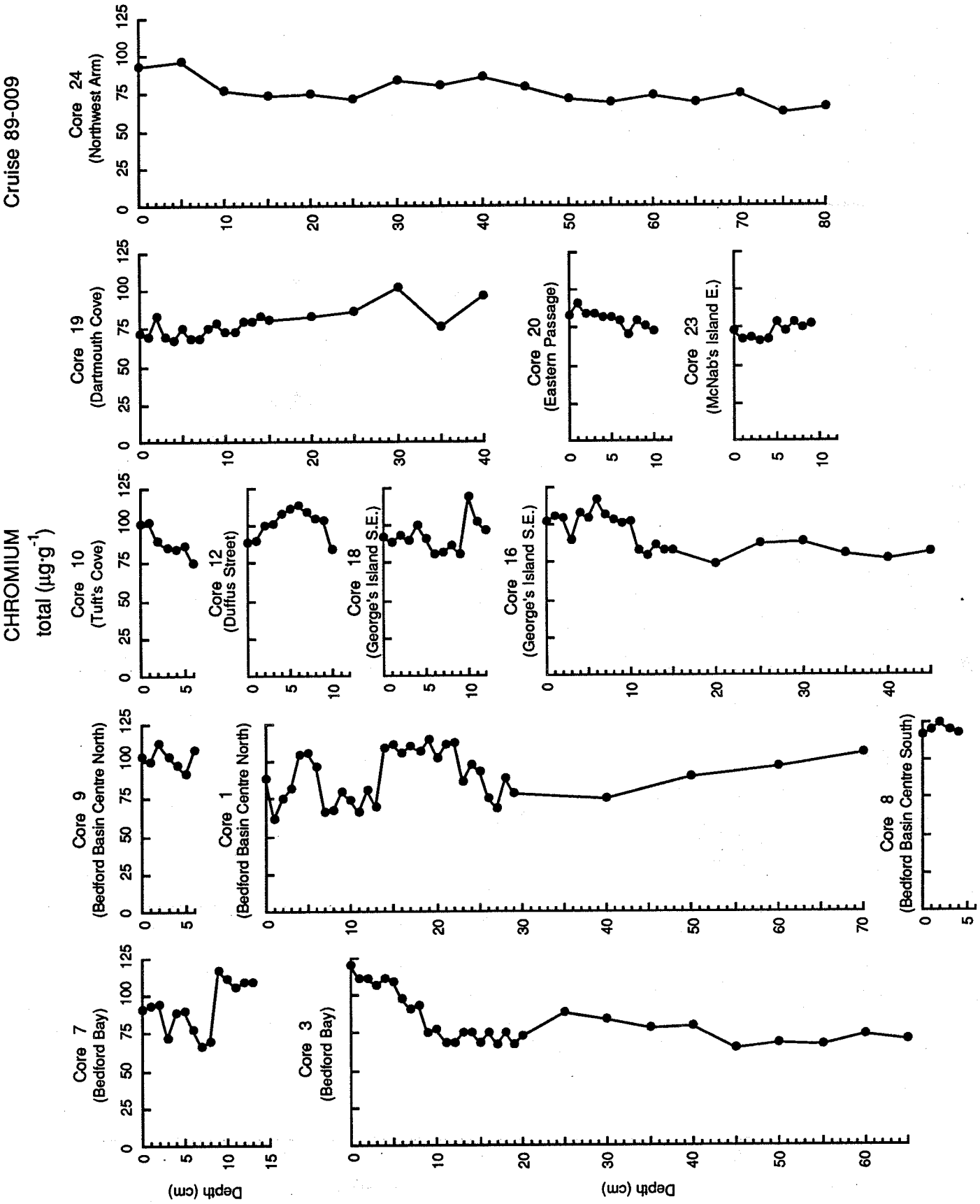

Cruise 89-009
NICKEL
peroxide leach (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

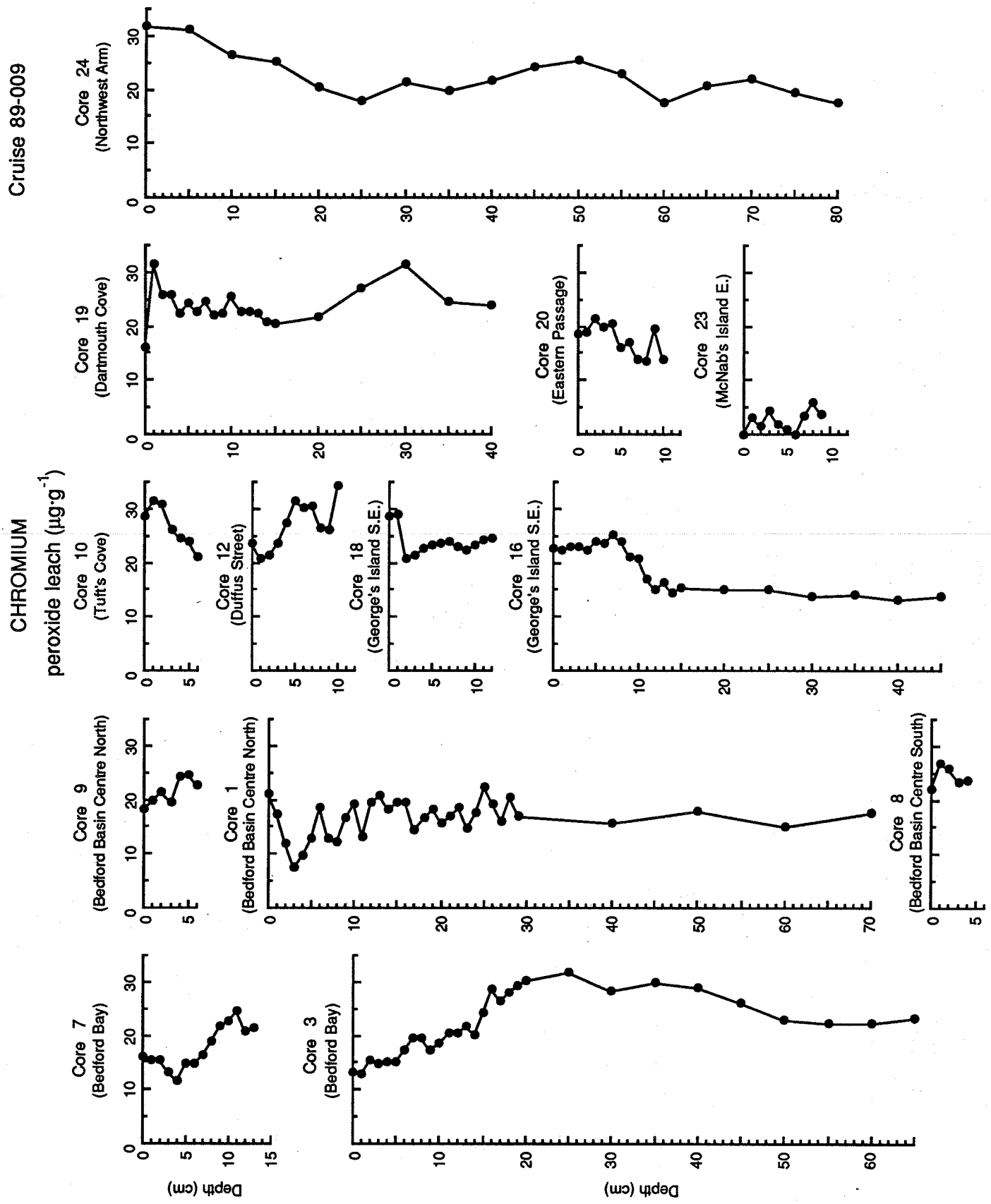

Cruise 89-009
CHROMIUM
weak acid leach (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

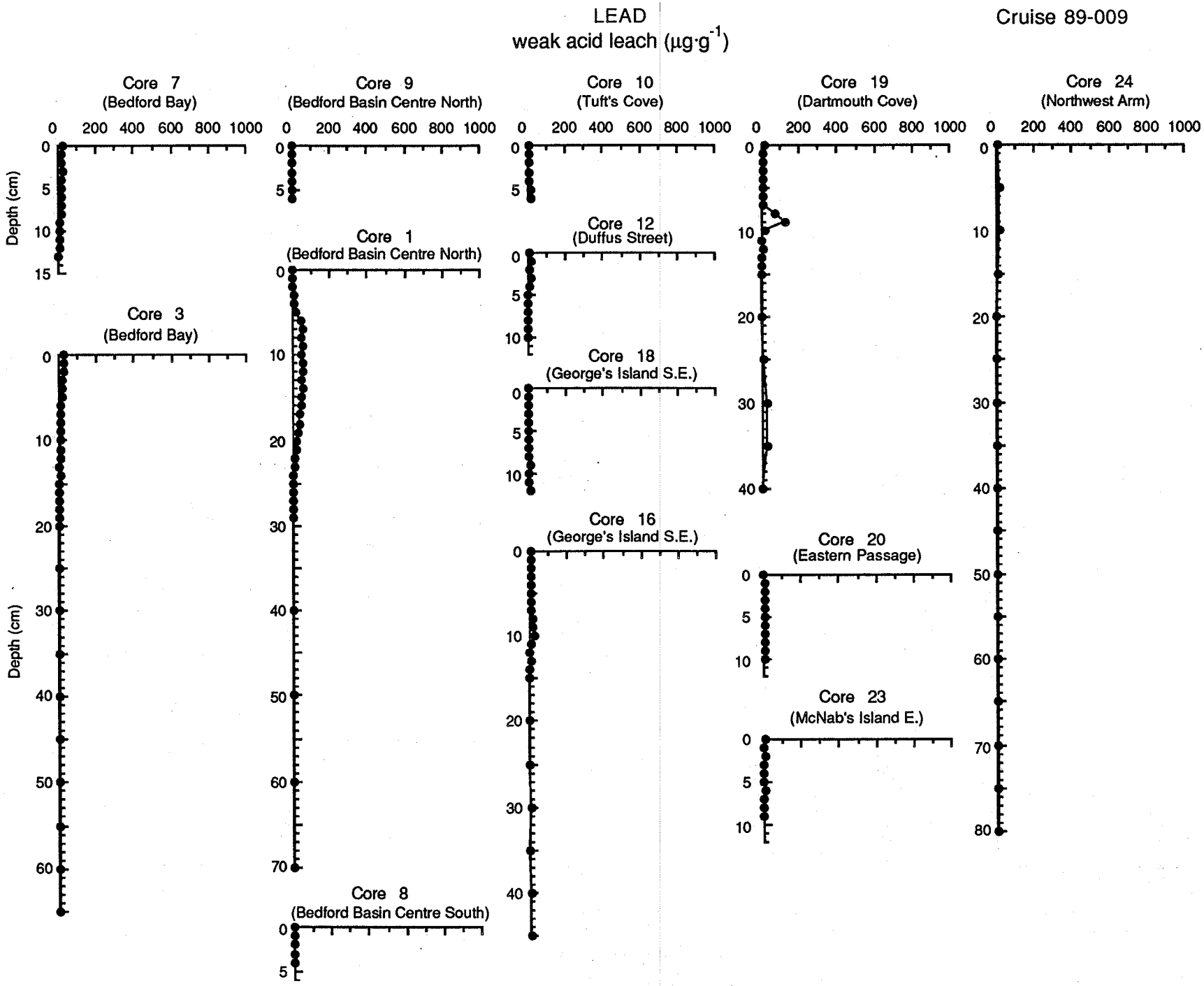

CHROMIUM
hydroxylamine leach (µg·g-1)
Cruise 89-009
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

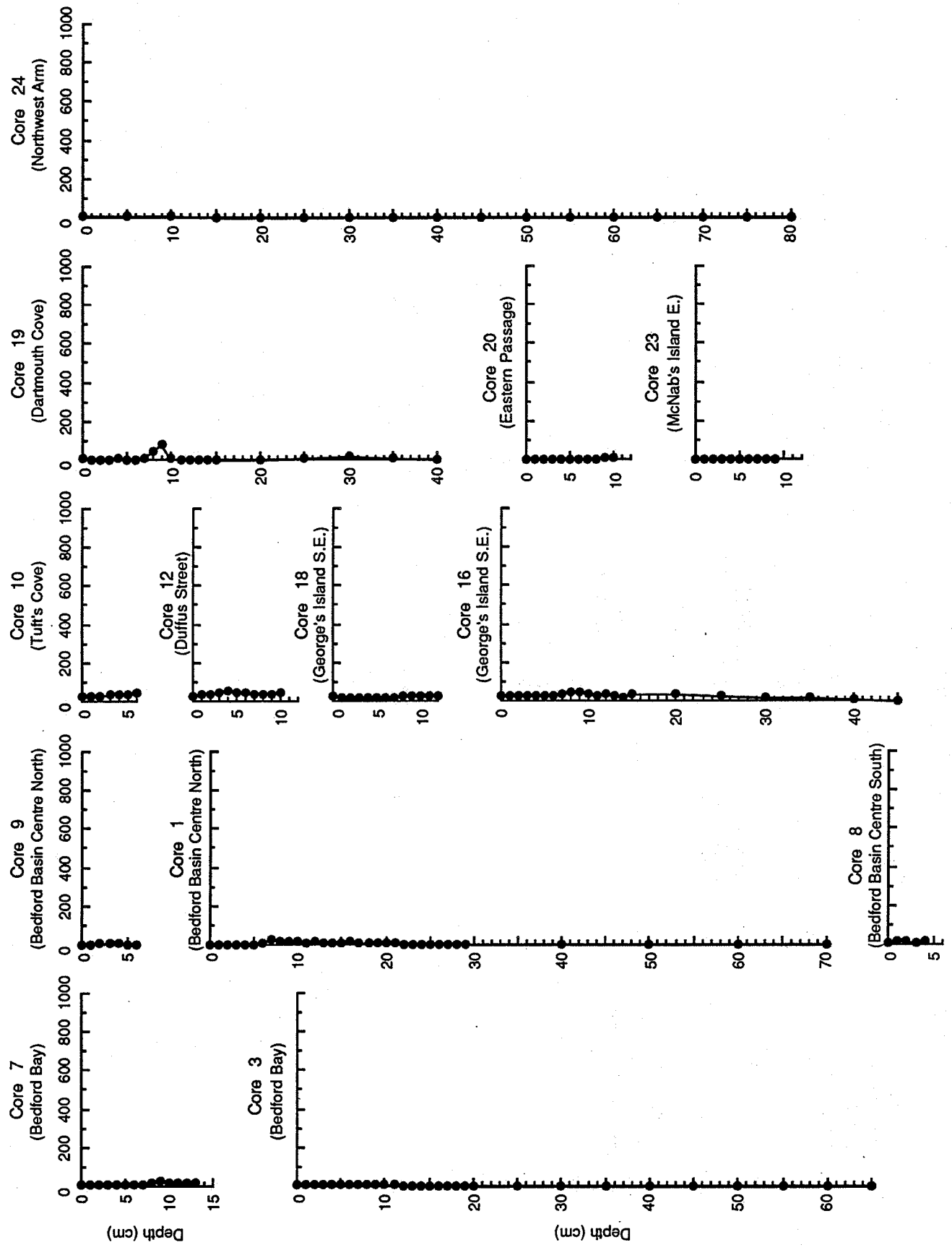

CHROMIUM
heated hydroxylamine leach (µg·g-1)
Cruise 89-009
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

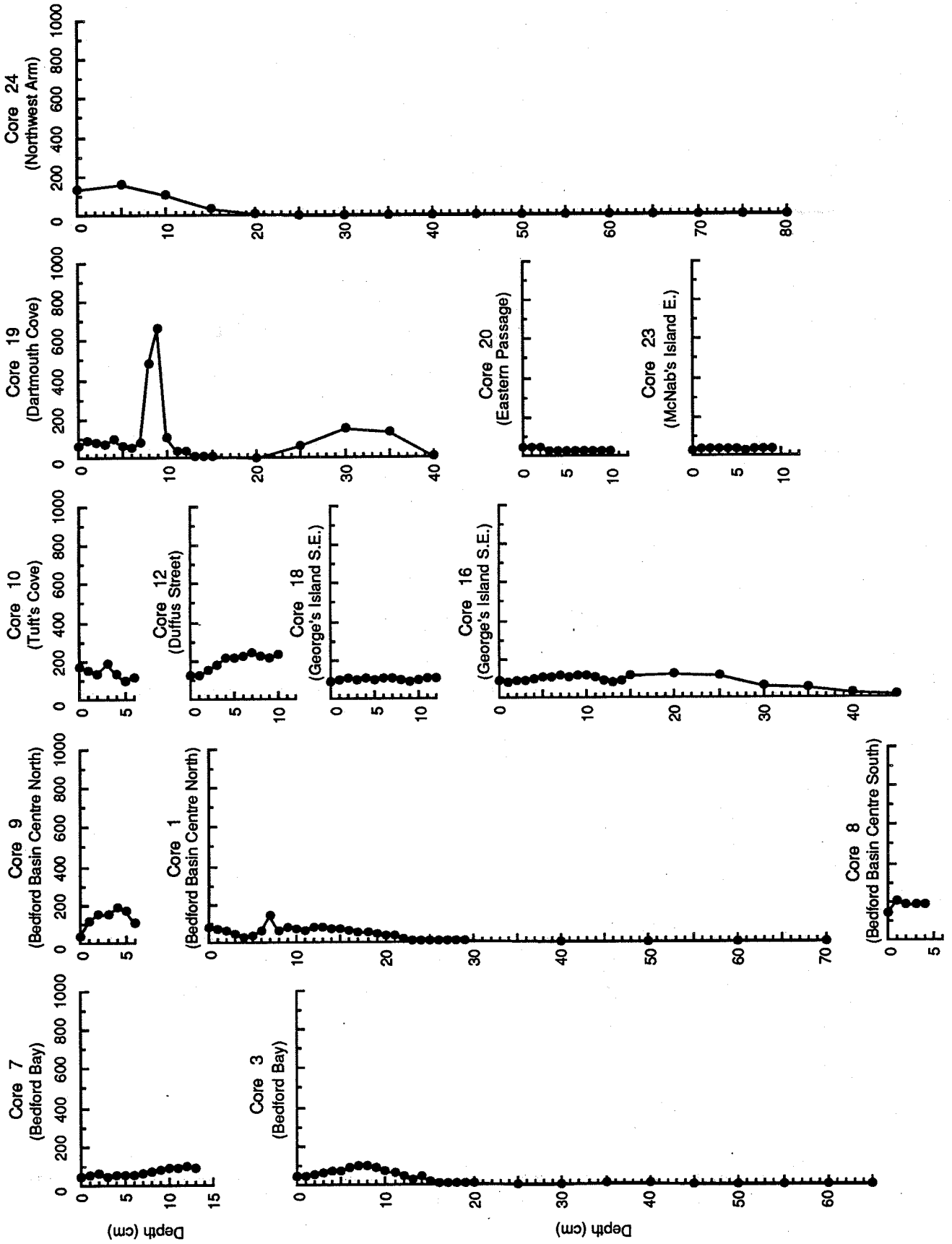

Cruise 89-009
CHROMIUM
leach residual (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
136
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

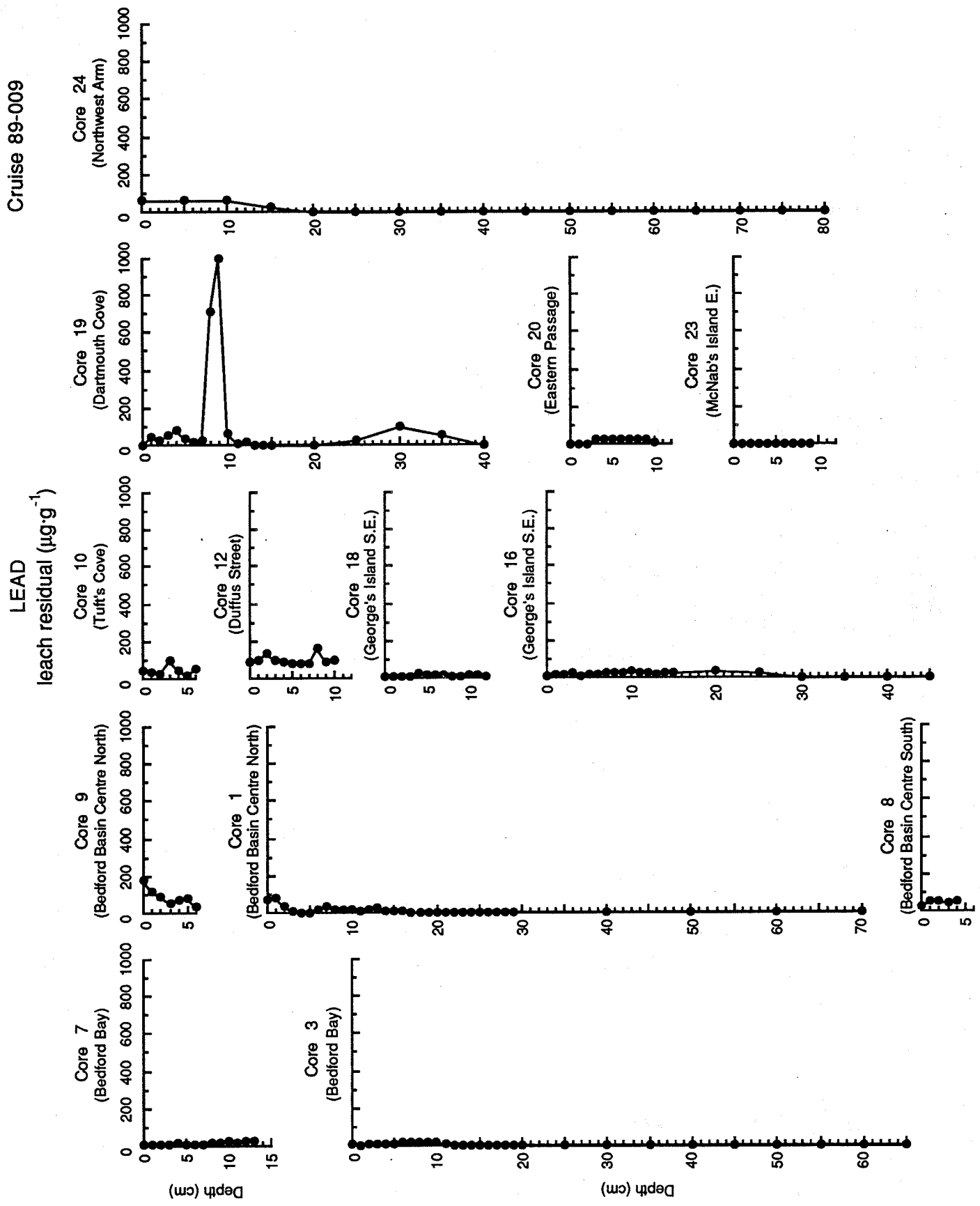

Cruise 89-009
CHROMIUM
total (µg·g⁻¹)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

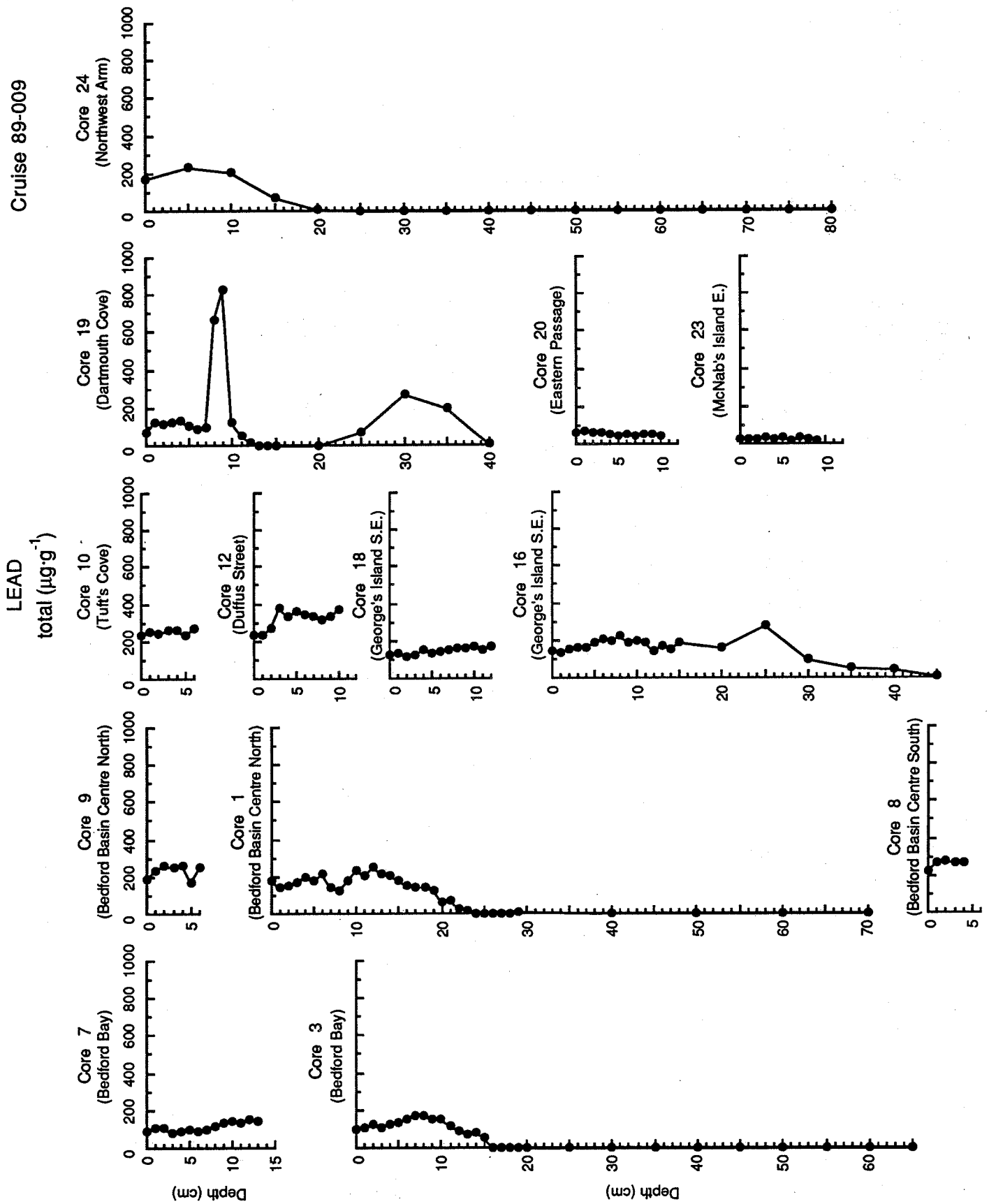

Cruise 89-009
CHROMIUM
peroxide leach (µg·g-1)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

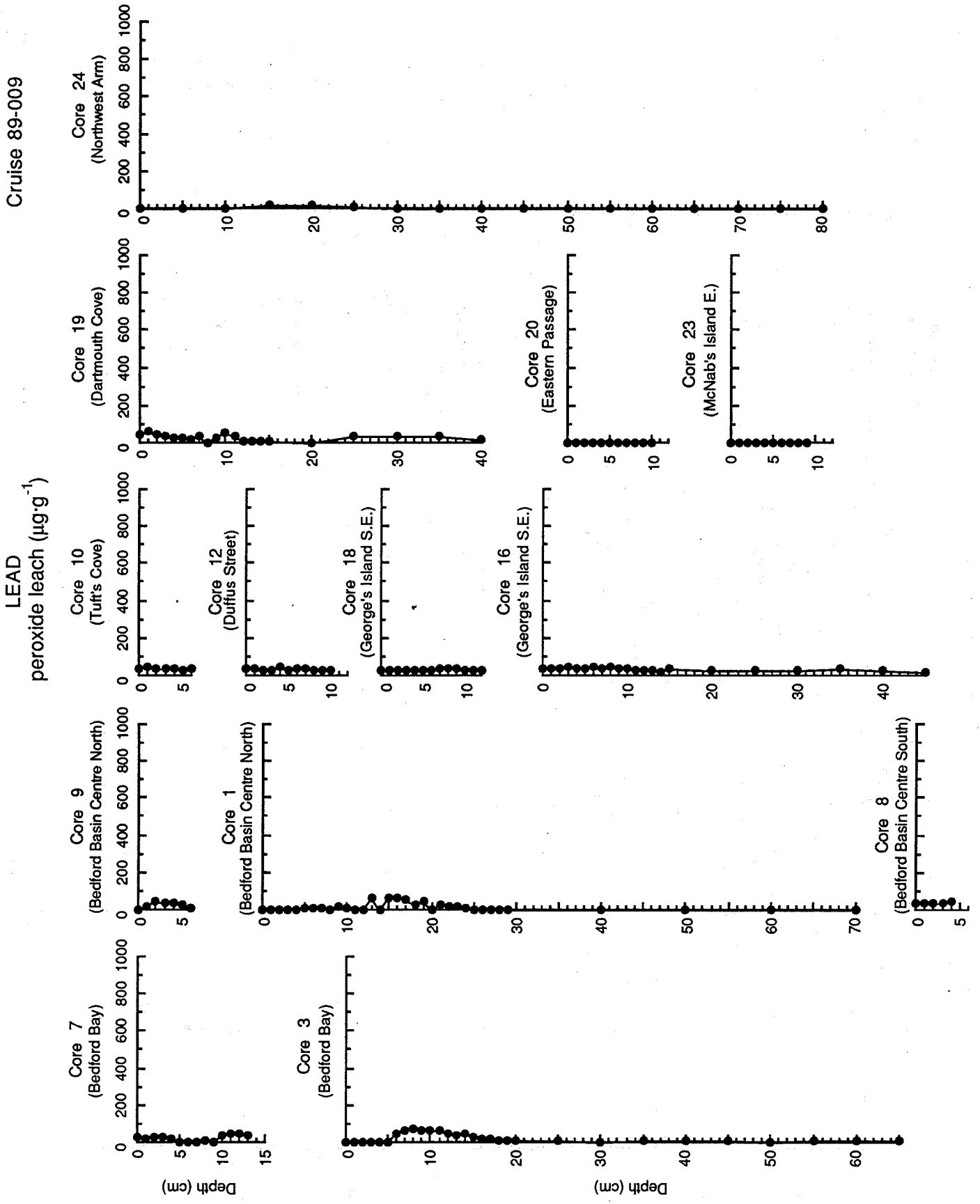

LEAD
weak acid leach (µg·g-1)
Core 7
(Bedford Bay)
Core 9
(Bedford Basin Centre North)
Core 10
(Tuft's Cove)
Core 19
(Dartmouth Cove)
Core 24
(Northwest Arm)
Core 1
(Bedford Basin Centre North)
Core 12
(Duffus Street)
Core 3
(Bedford Bay)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 8
(Bedford Basin Centre South)
Depth (cm)
0 200 400 600 800 1000

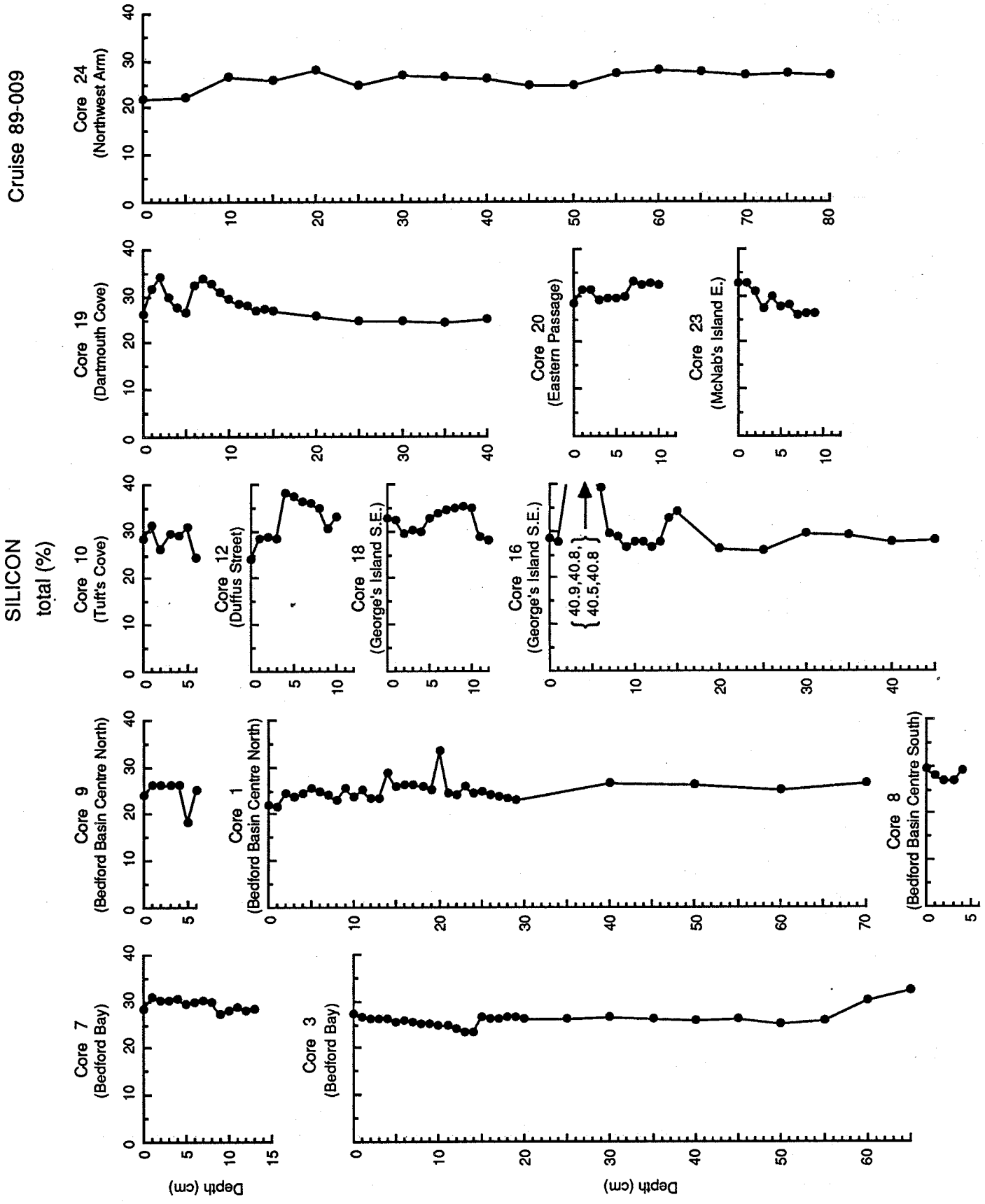

Cruise 89-009
LEAD
hydroxylamine leach (µg·g-1)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

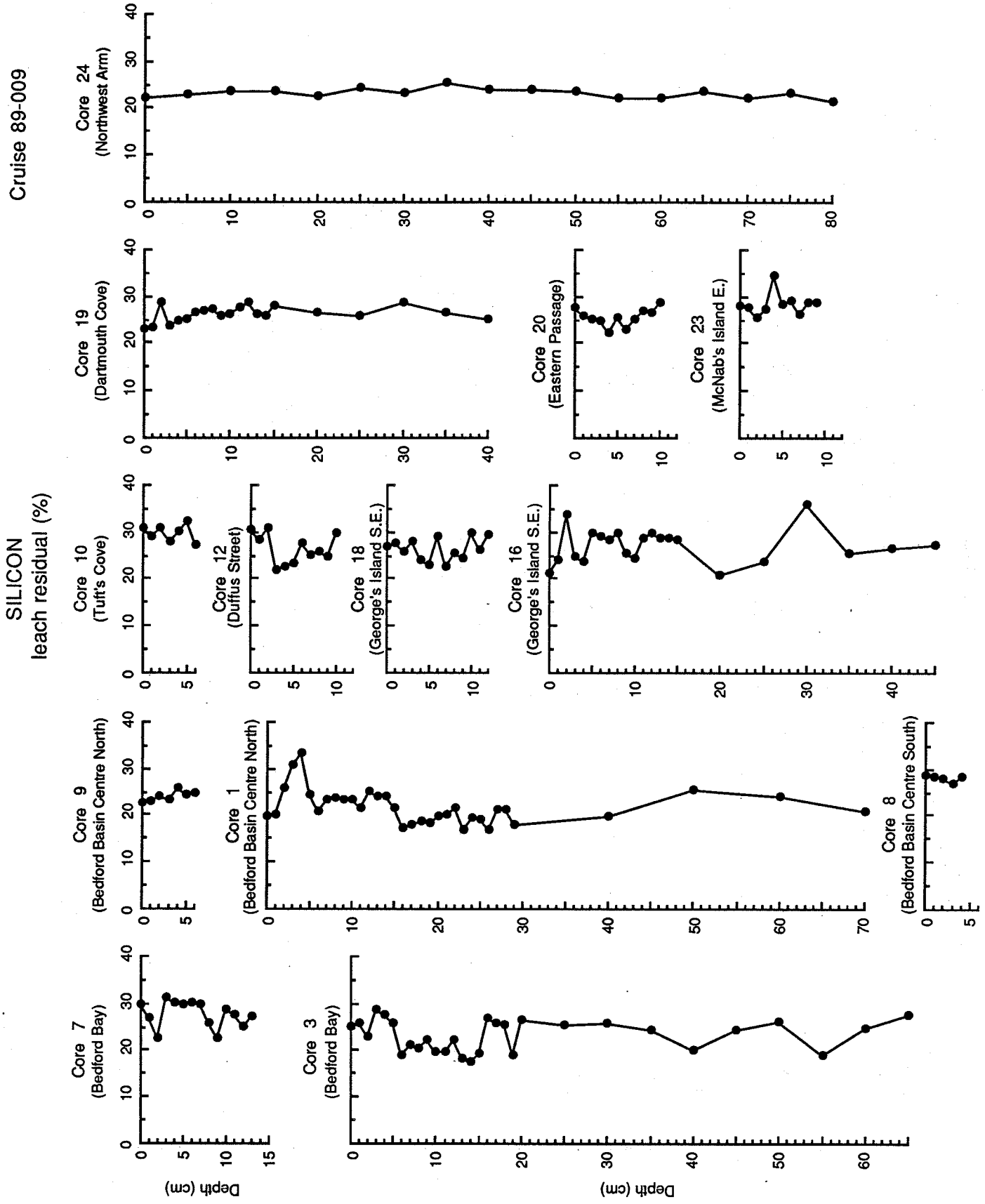

Cruise 89-009
LEAD
heated hydroxylamine leach (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

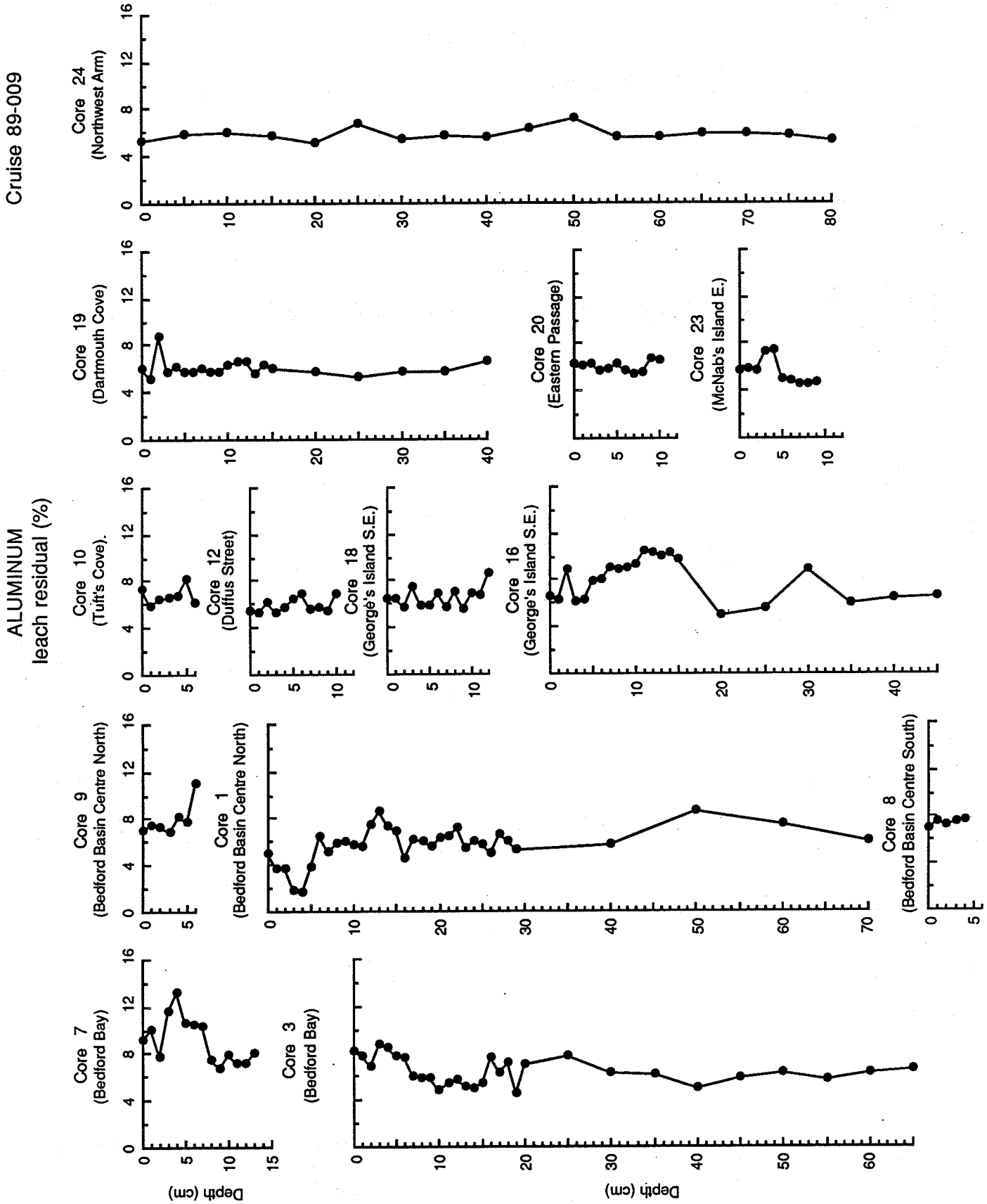

Cruise 89-009
LEAD
leach residual (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

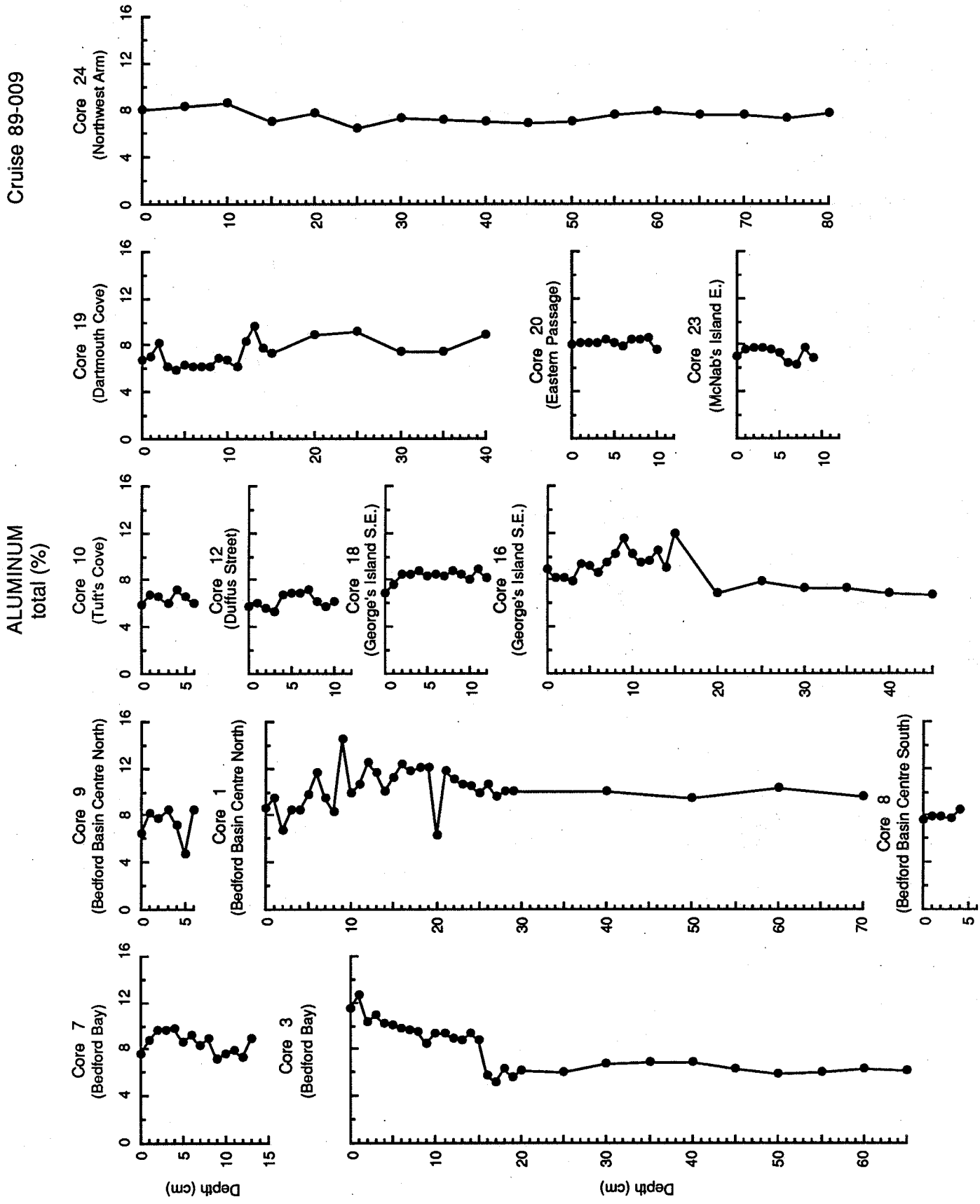

Cruise 89-009
LEAD
total (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

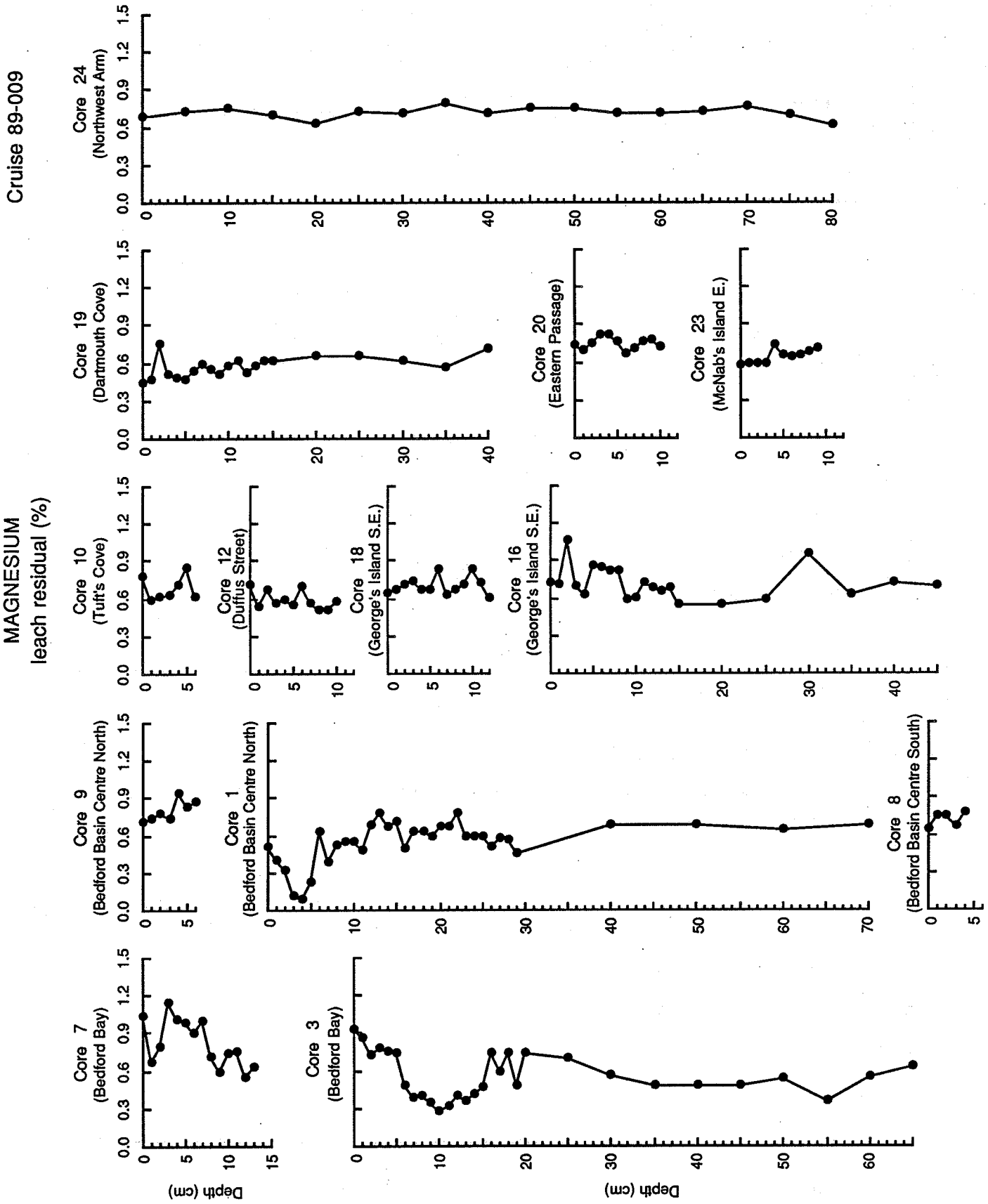

Cruise 89-009
LEAD
peroxide leach (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

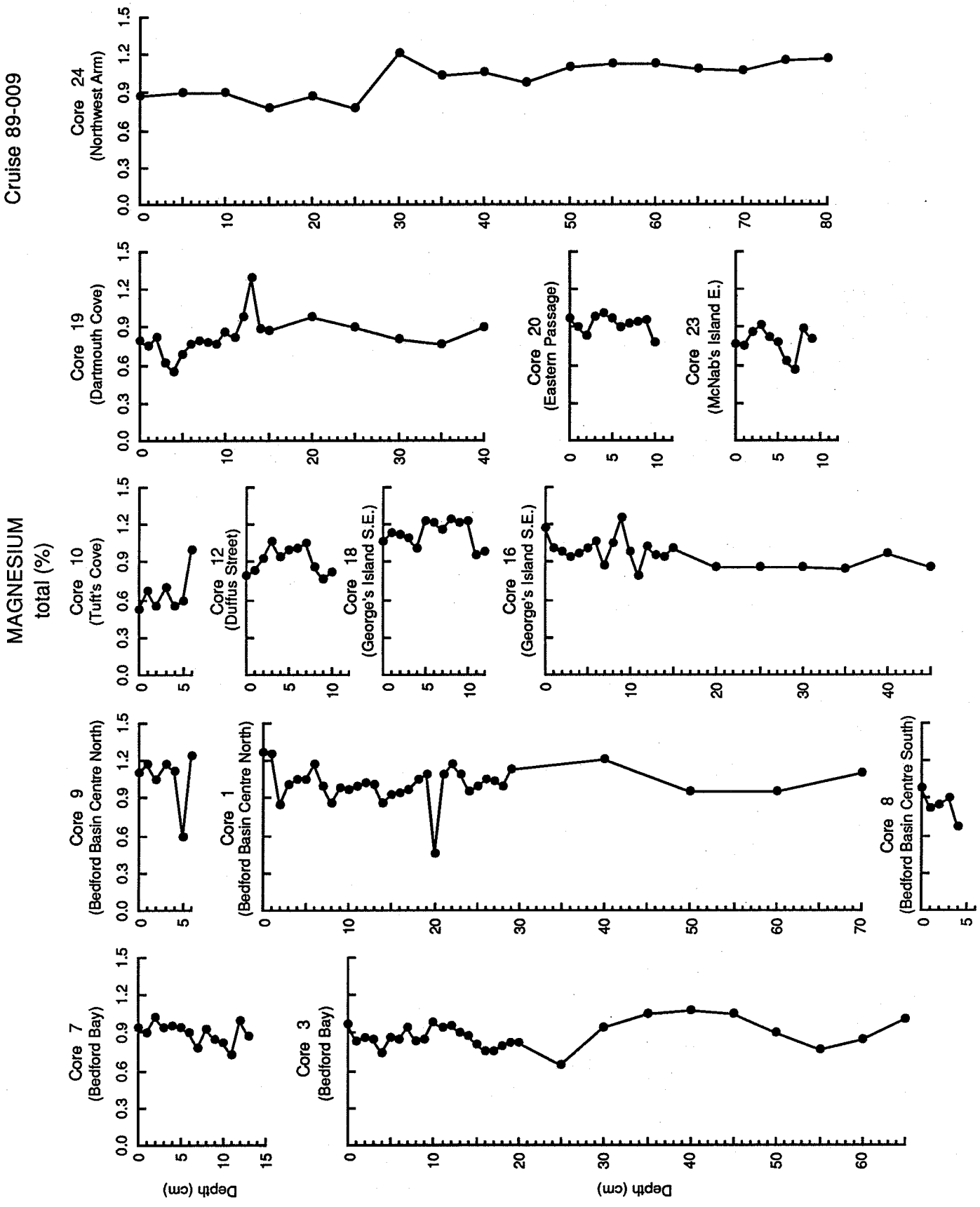

Cruise 89-009
SILICON
total (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
40.9,40.8,
40.5,40.8
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)


Cruise 89-009
SILICON
leach residual (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)


Cruise 89-009
ALUMINUM
leach residual (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove).
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

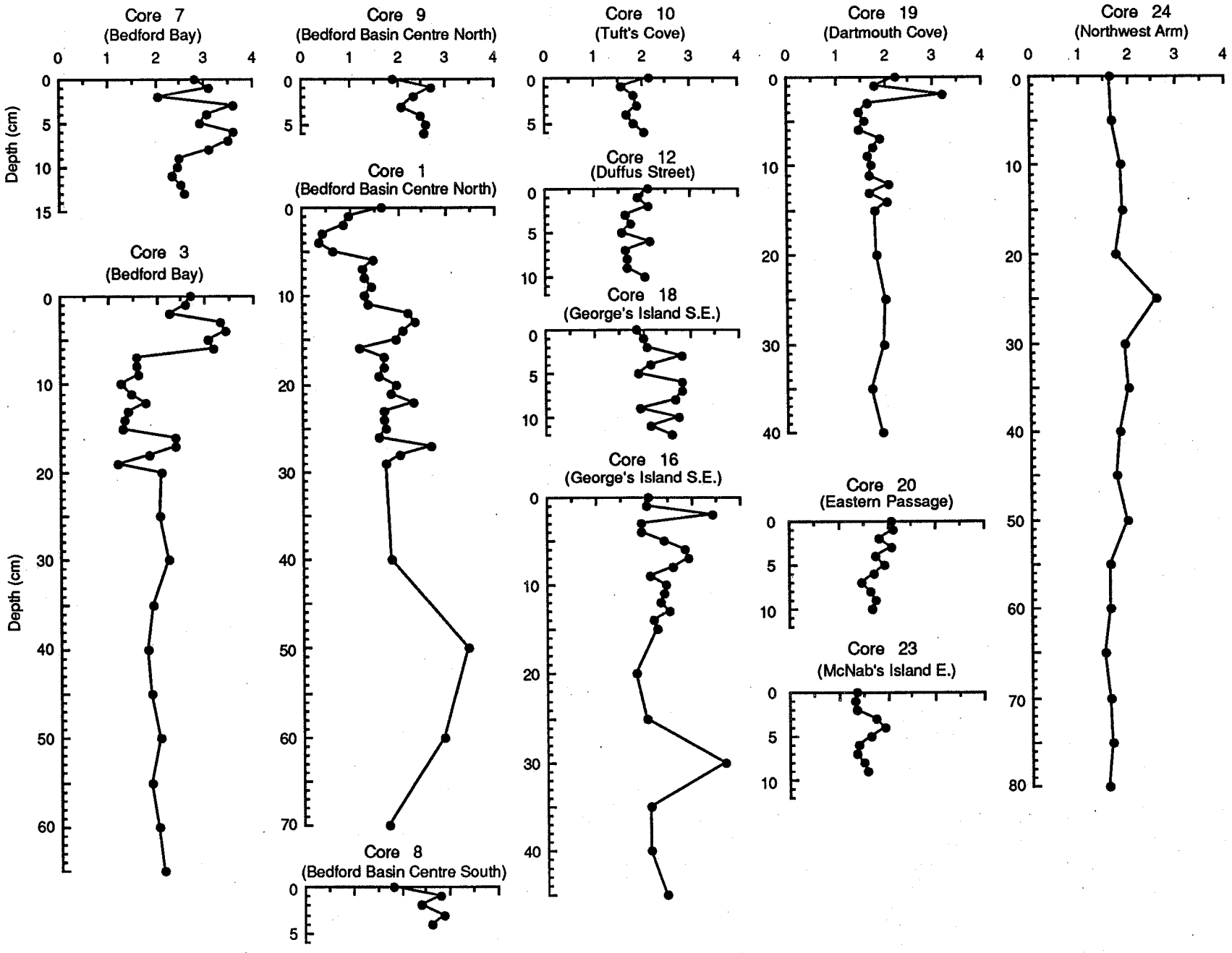

Cruise 89-009
ALUMINUM
total (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

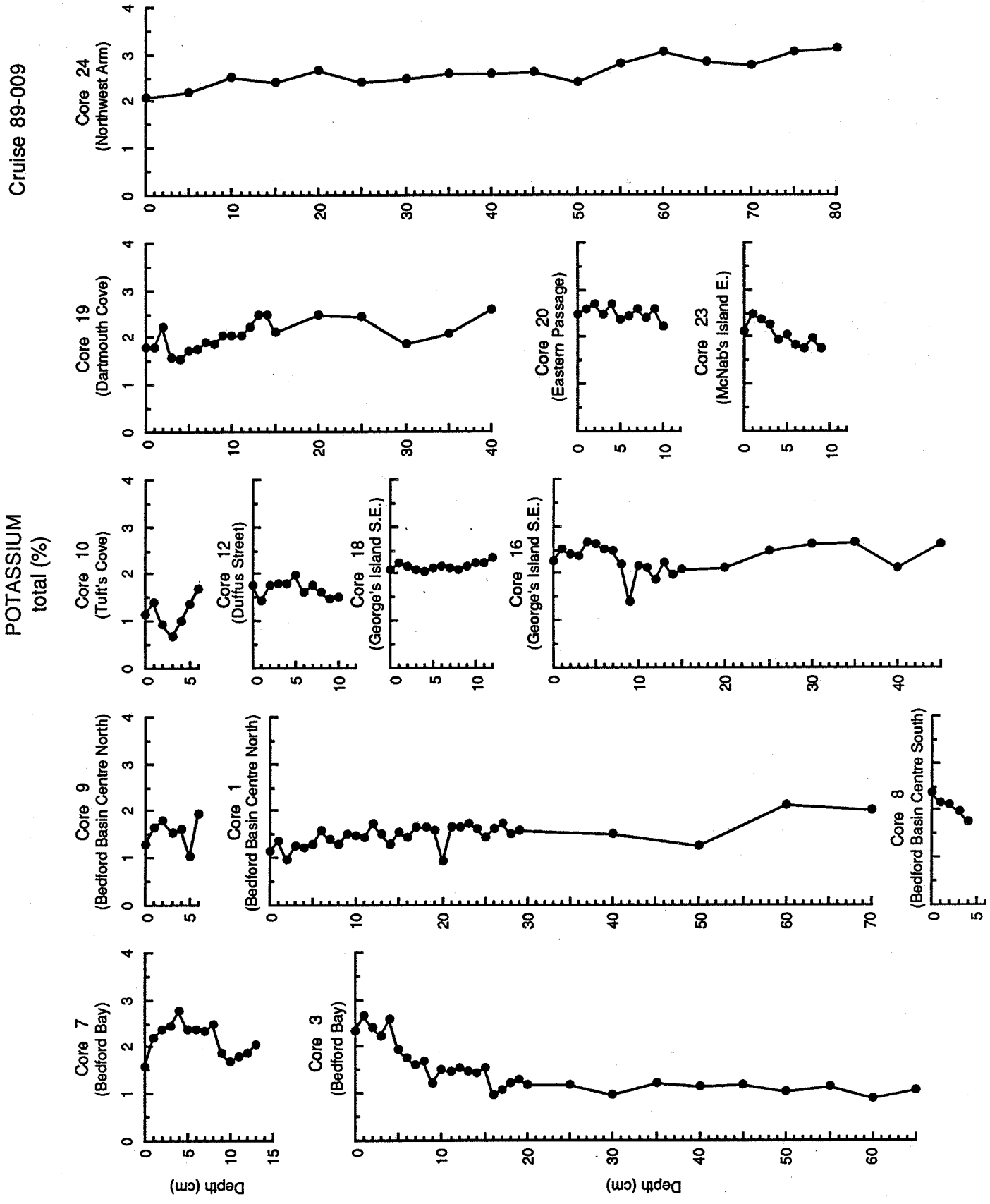

Cruise 89-009
MAGNESIUM
leach residual (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

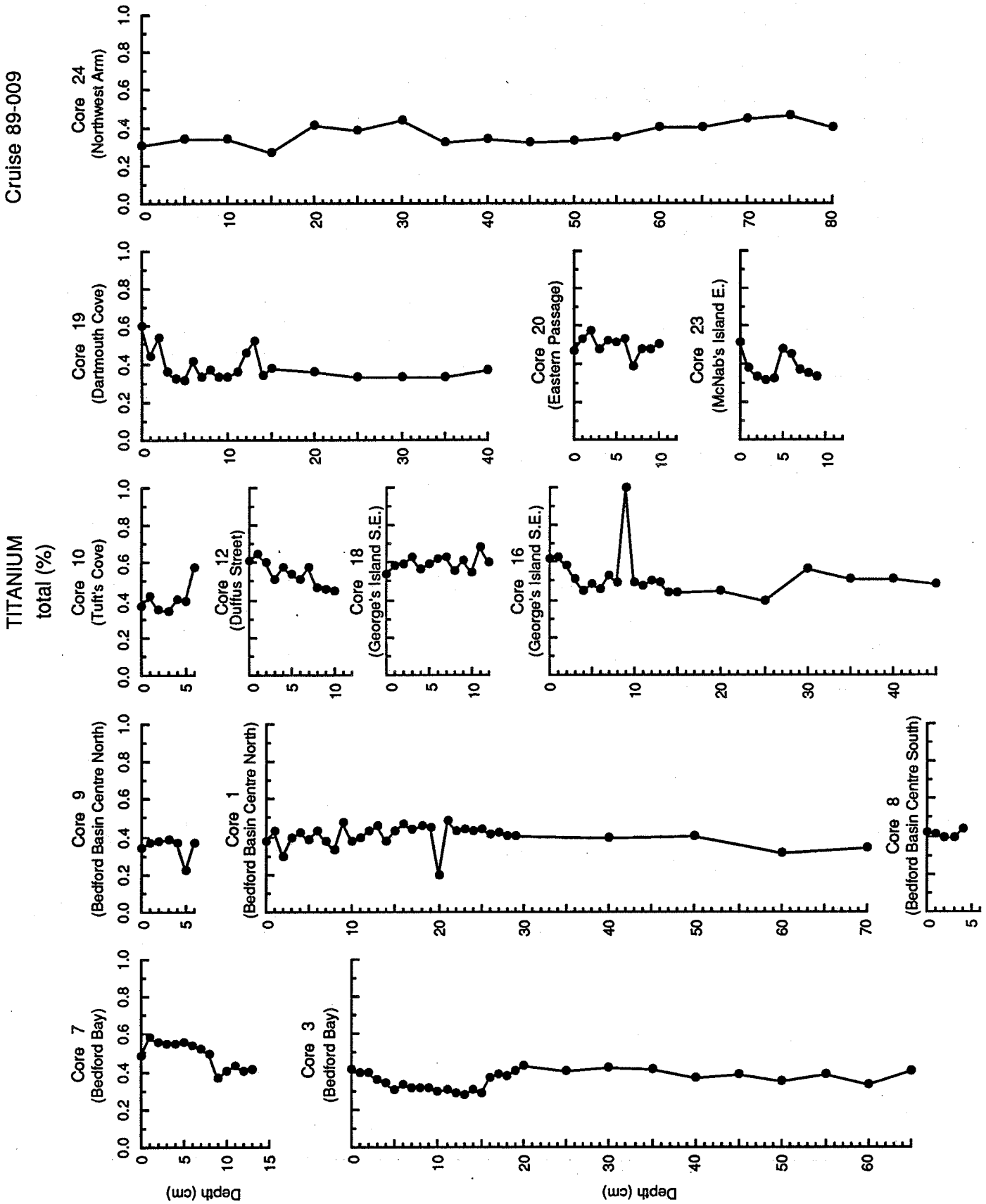

Cruise 89-009
MAGNESIUM
total (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

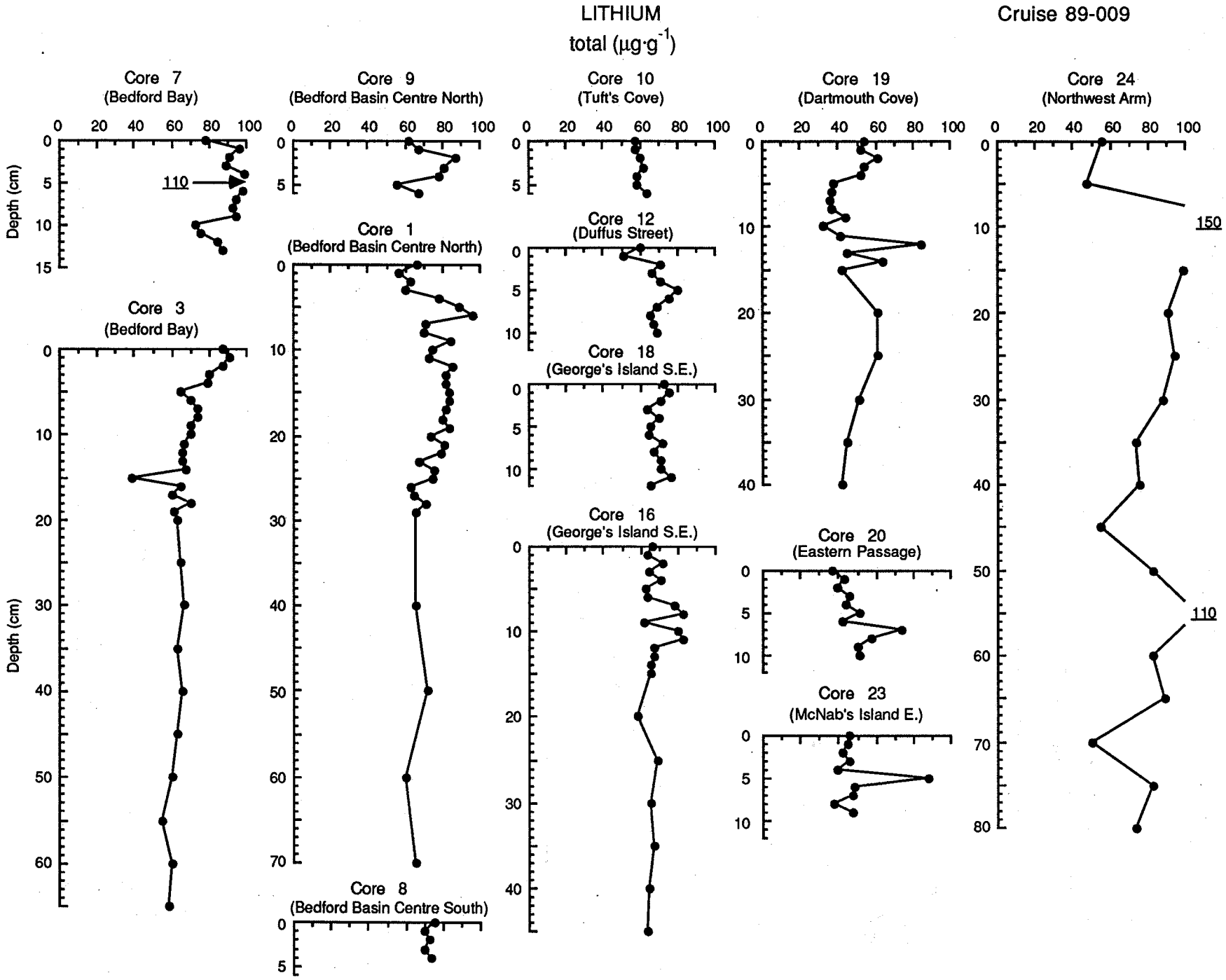
POTASSIUM
leach residual (%)

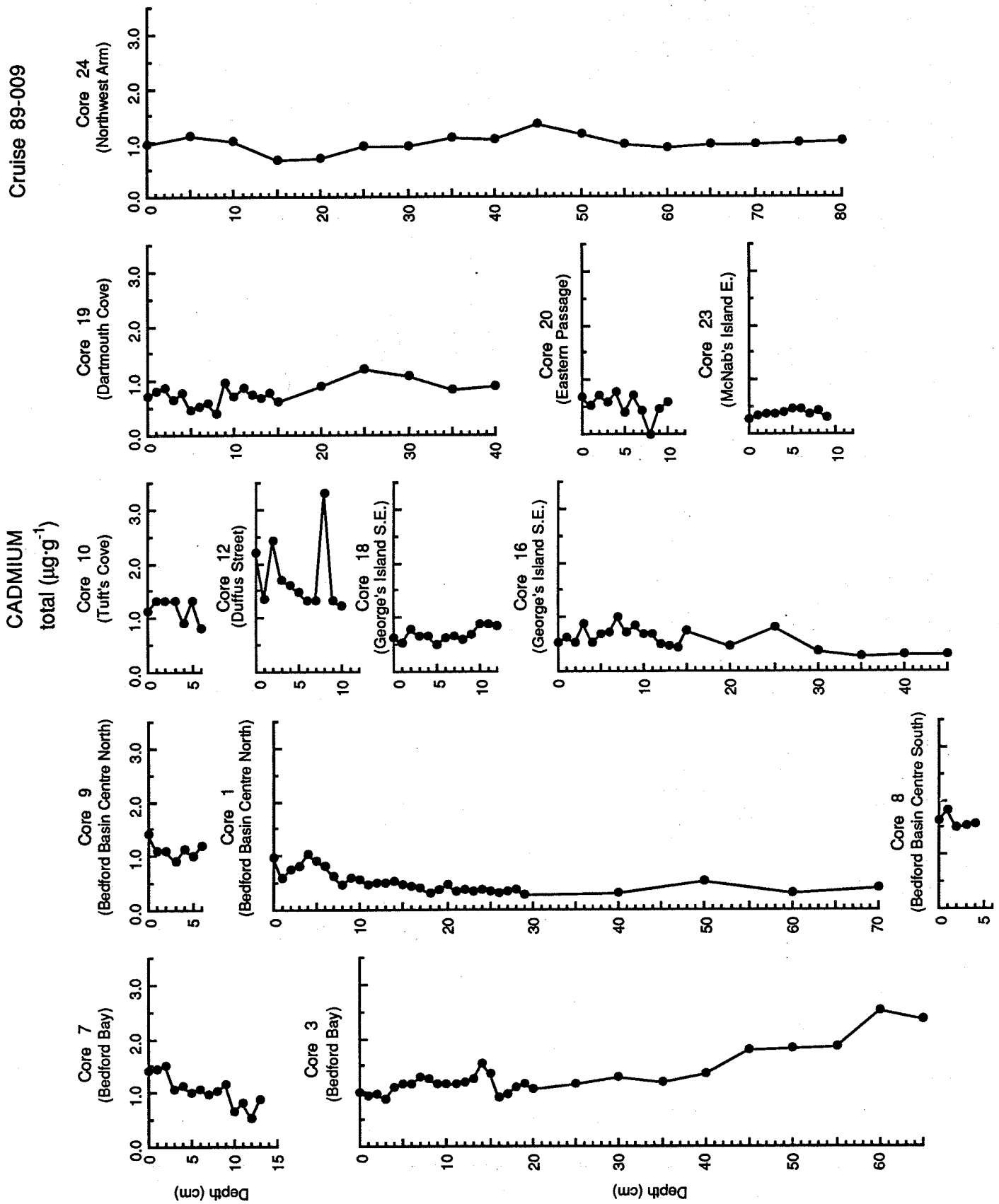
Cruise 89-009

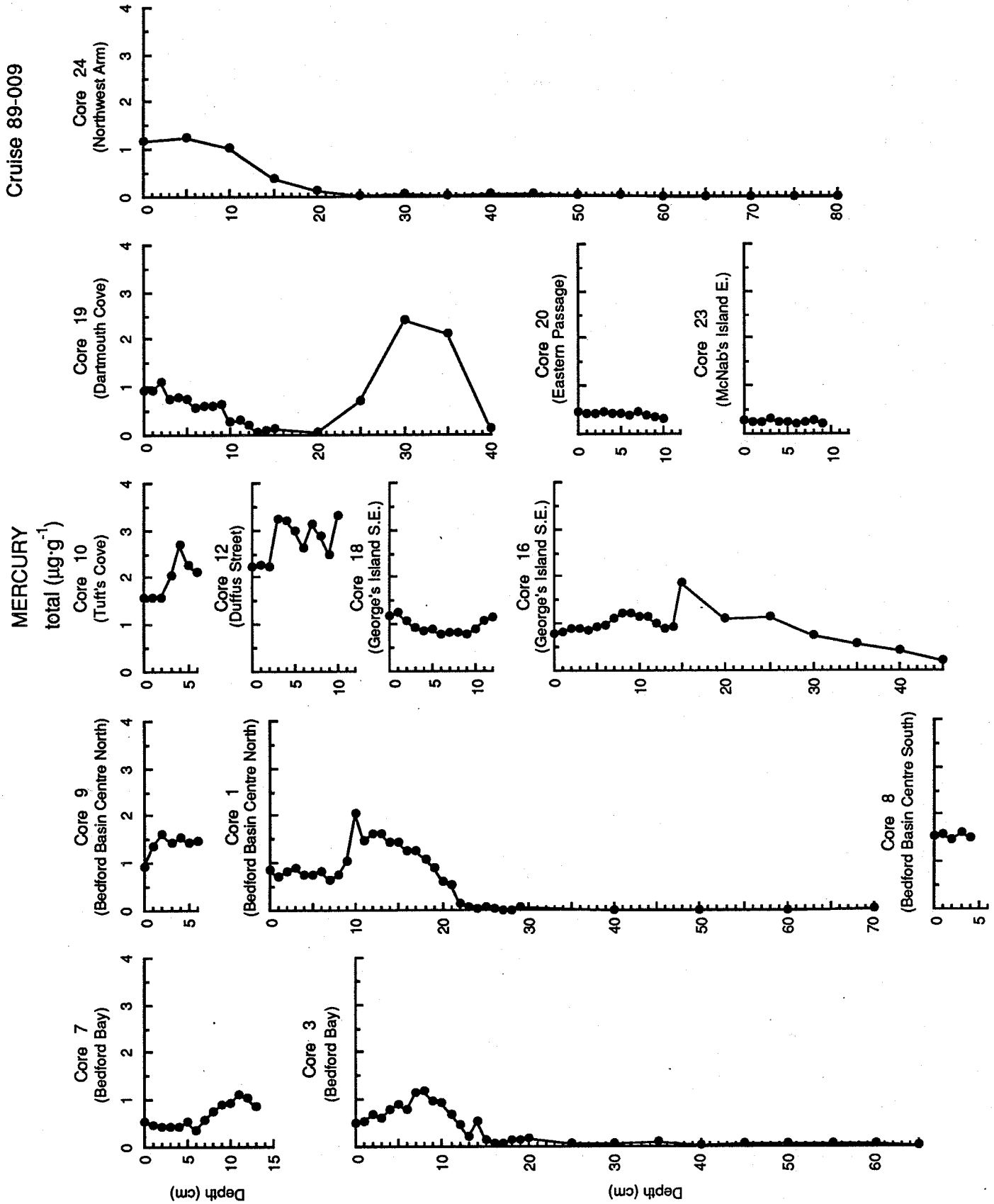


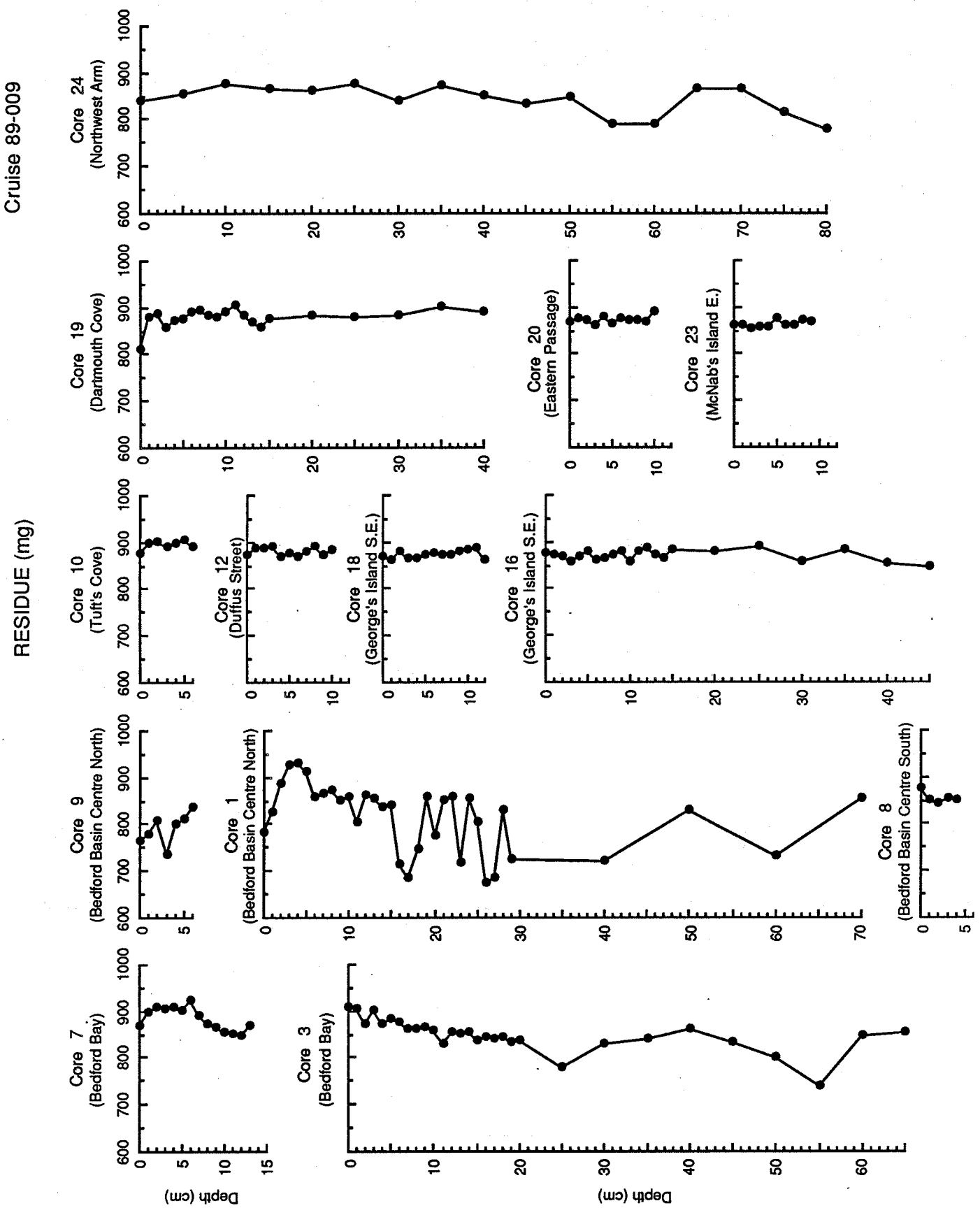

Cruise 89-009
POTASSIUM
total (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

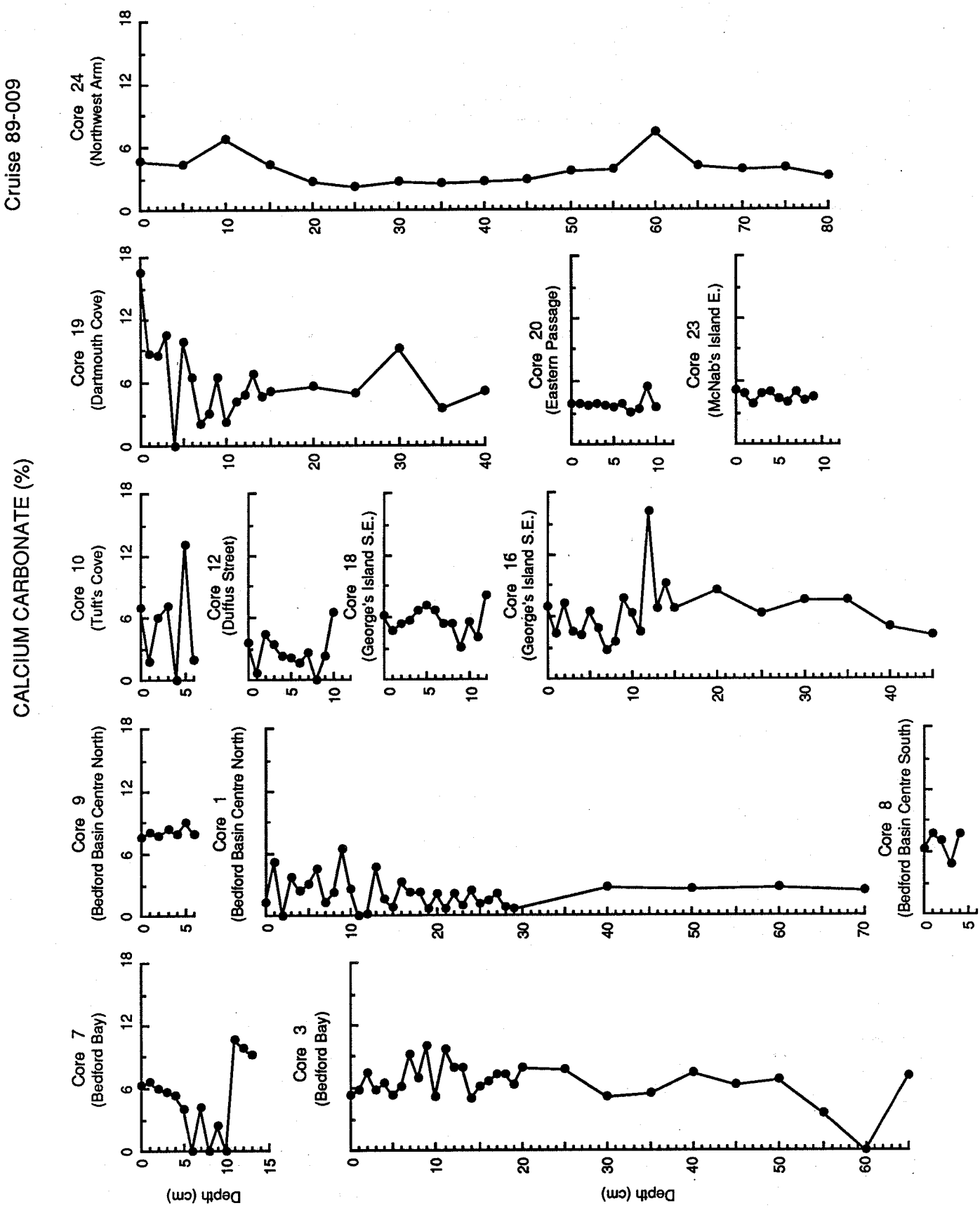

Cruise 89-009
TITANIUM
total (%)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Dufflus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

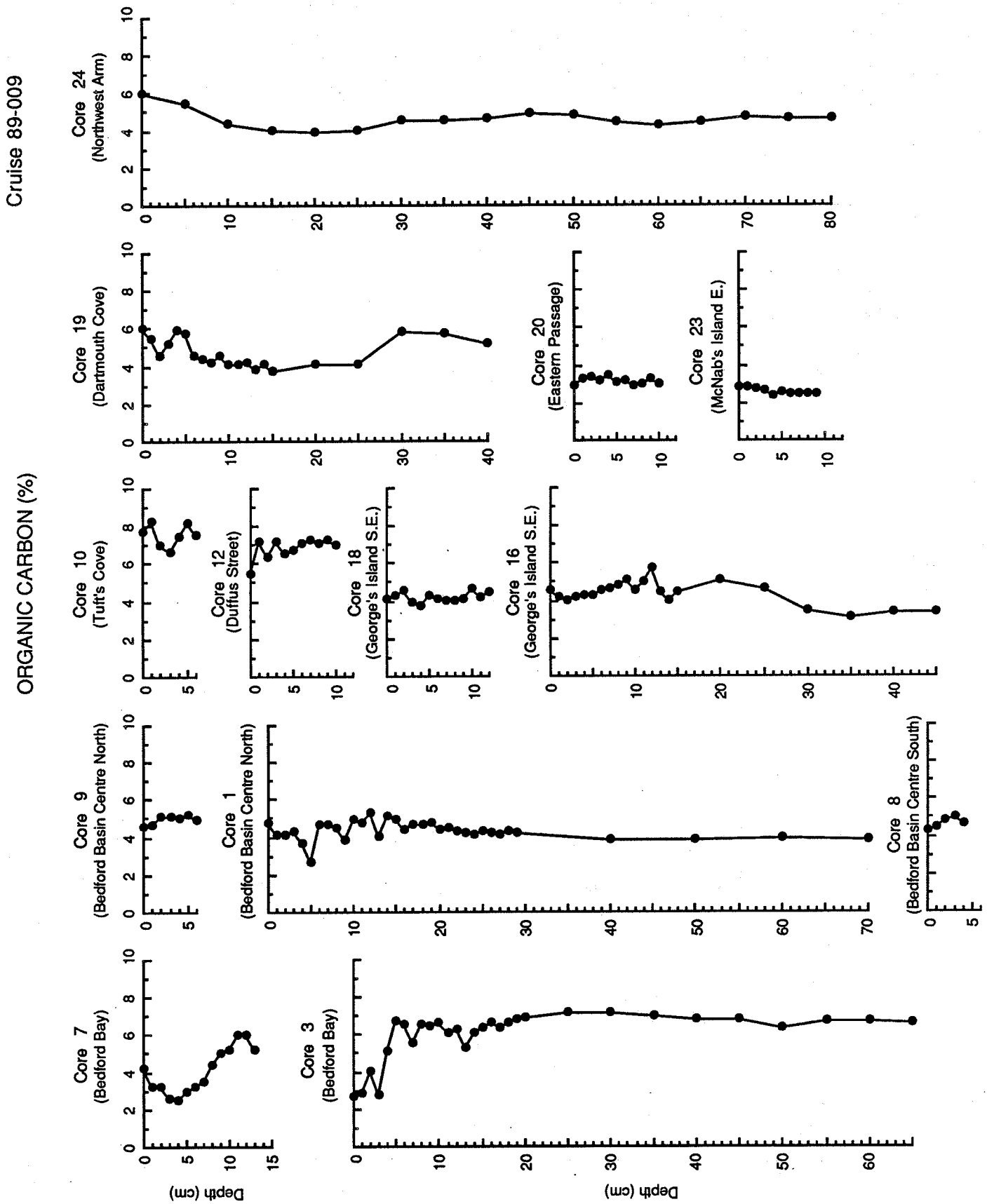

LITHIUM
total (µg·g-1)
Cruise 89-009
Core 7
(Bedford Bay)
110
Core 9
(Bedford Basin Centre North)
Core 10
(Tuft's Cove)
Core 19
(Dartmouth Cove)
Core 24
(Northwest Arm)
150
110
Core 1
(Bedford Basin Centre North)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 3
(Bedford Bay)
Core 16
(George's Island S.E.)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 8
(Bedford Basin Centre South)
Depth (cm)
Depth (cm)

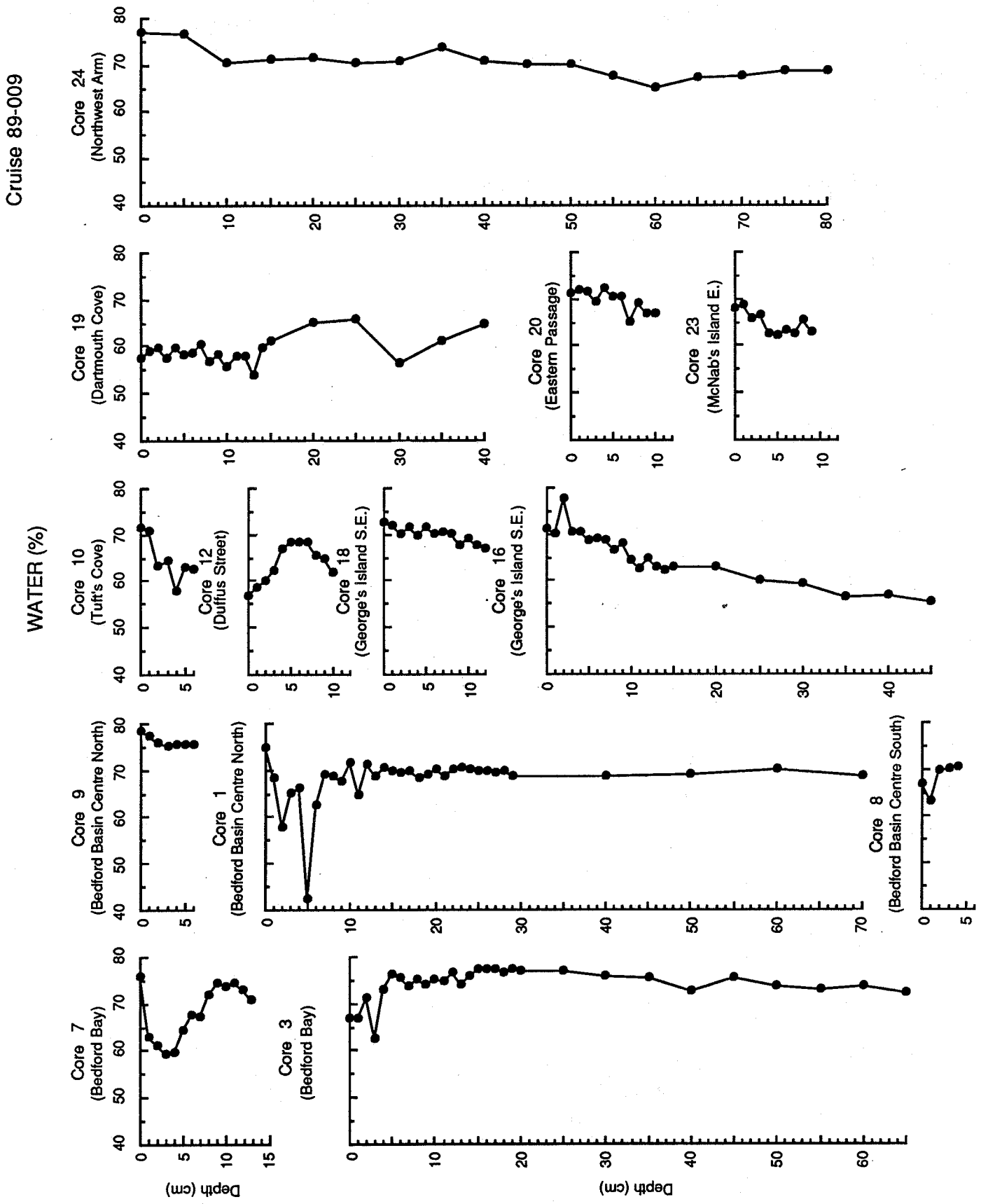

Cruise 89-009
CADMIUM
total (µg·g⁻¹)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)


Cruise 89-009
MERCURY
total (µg·g-1)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)


Cruise 89-009
RESIDUE (mg)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

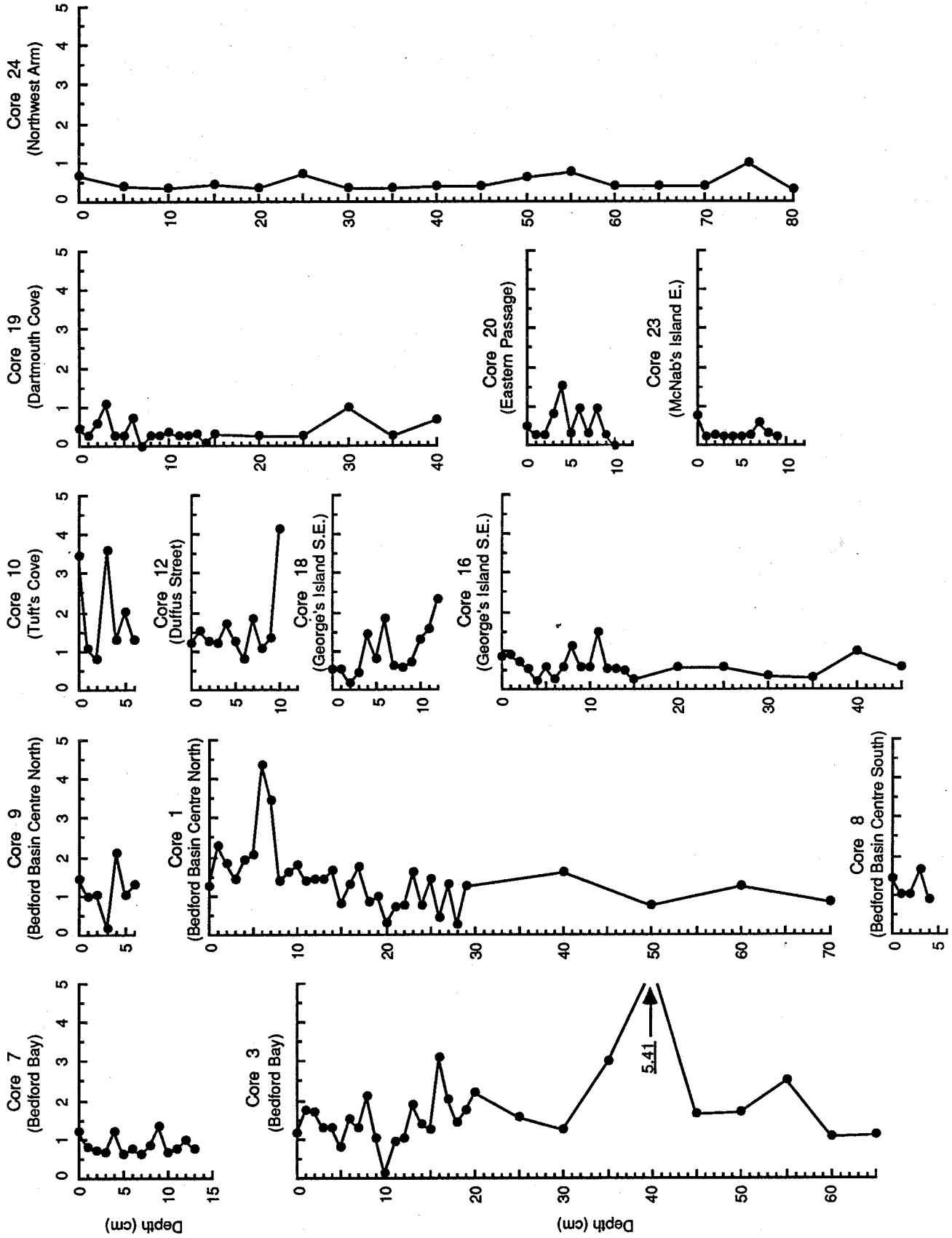

Cruise 89-009
CALCIUM CARBONATE (%)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

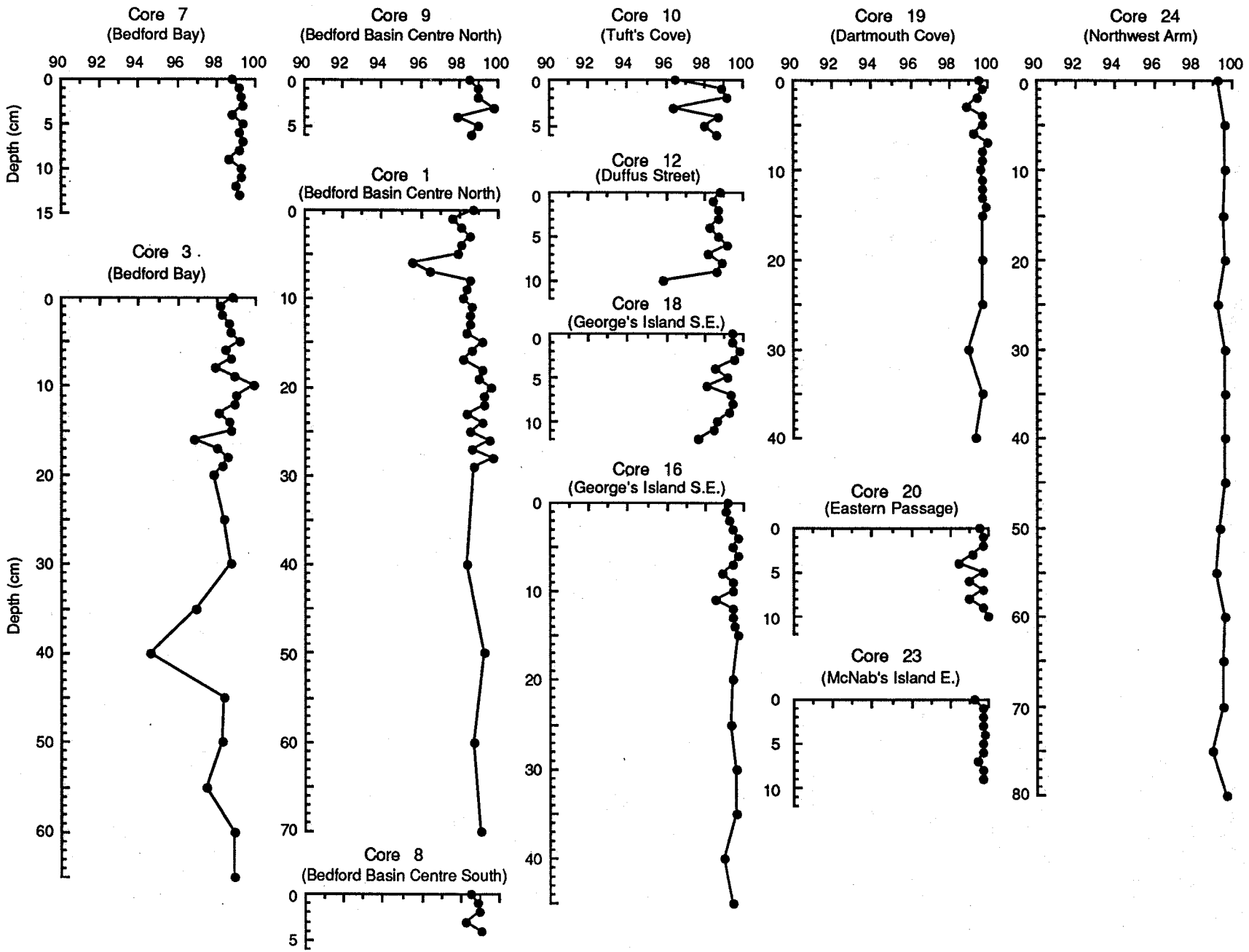

Cruise 89-009
ORGANIC CARBON (%)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)


Cruise 89-009
WATER (%)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

Cruise 89-009

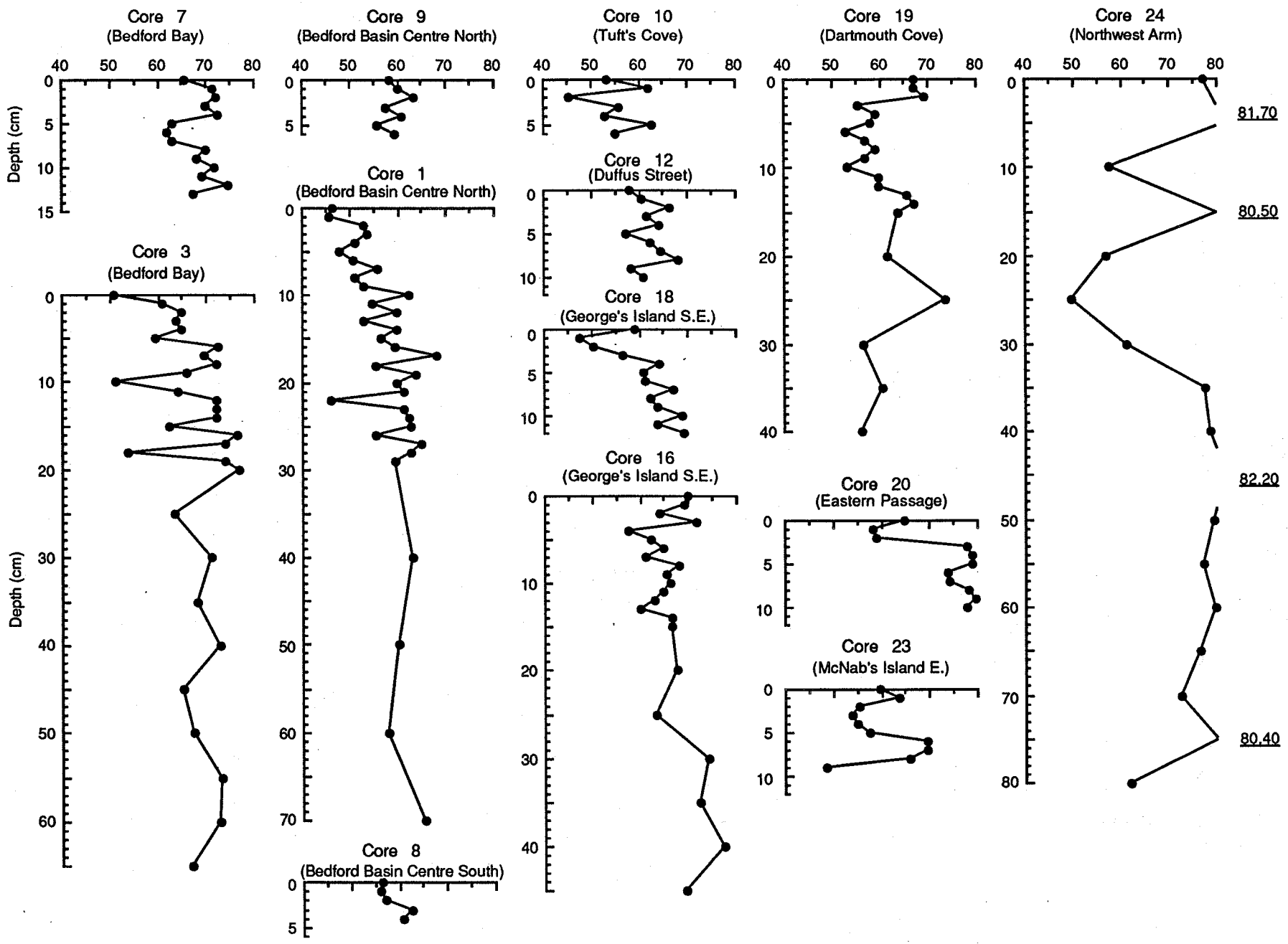
SAND (%)

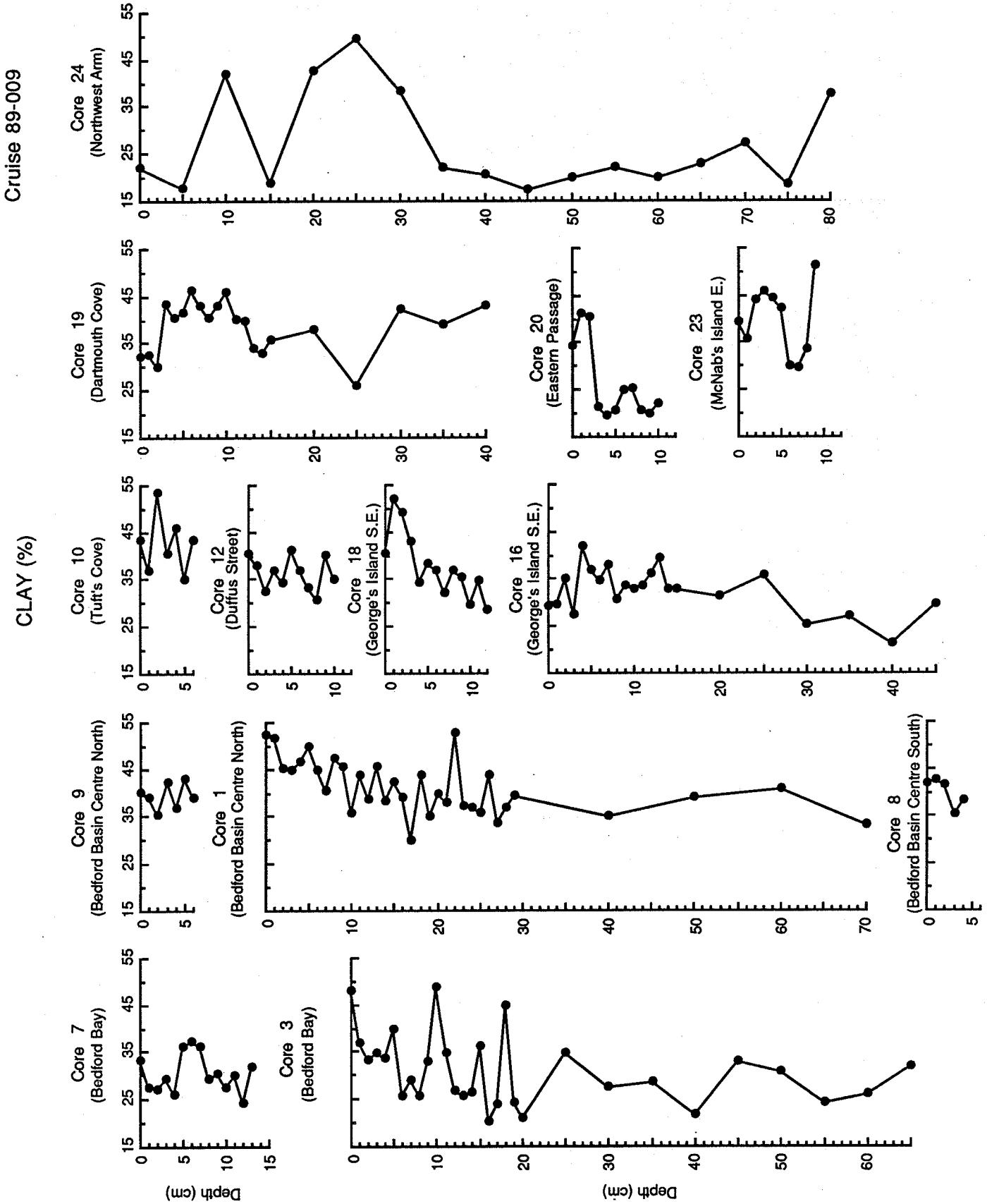


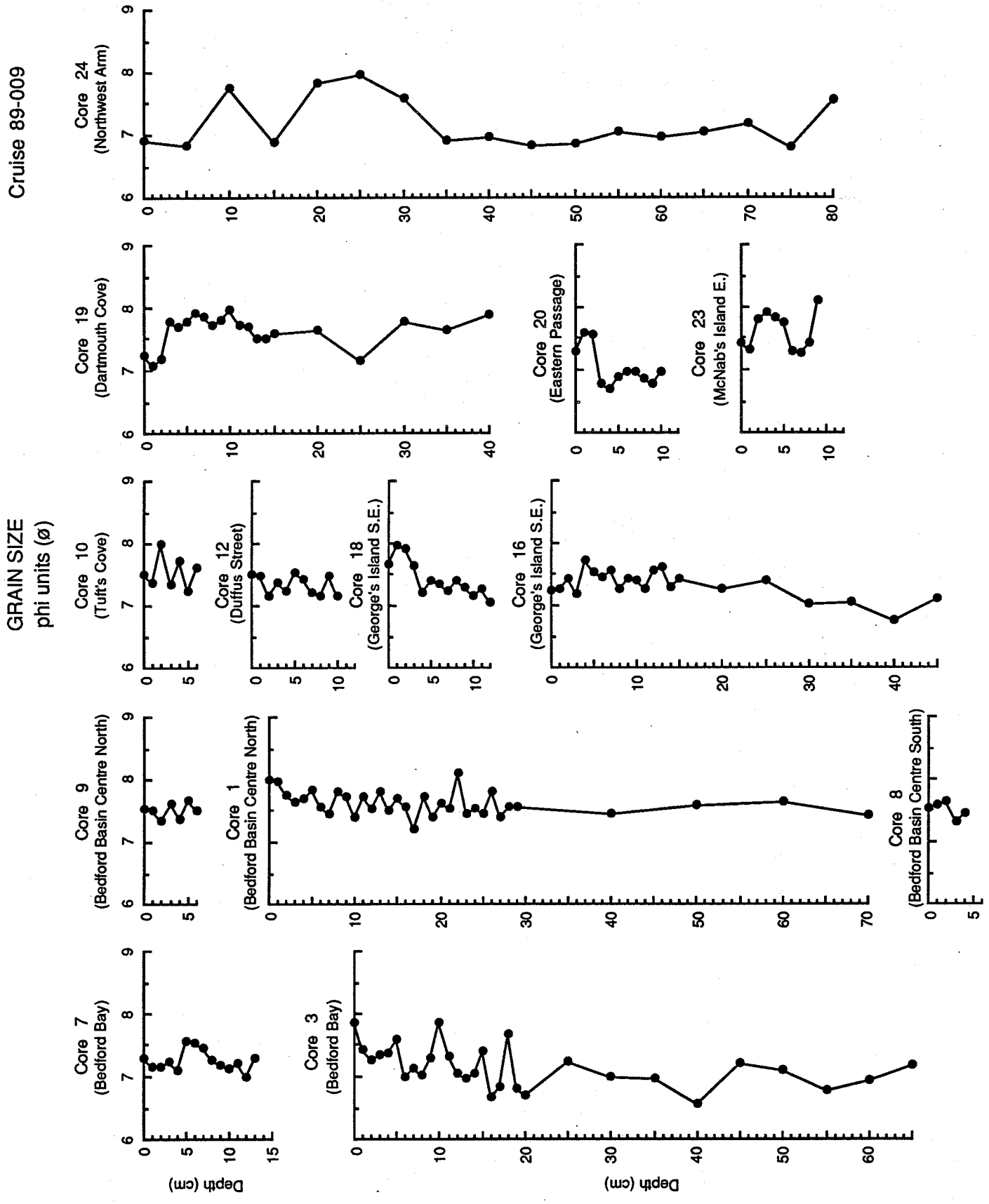

MUD (%)
Core 7
(Bedford Bay)
Core 9
(Bedford Basin Centre North)
Core 10
(Tuft's Cove)
Core 19
(Dartmouth Cove)
Core 24
(Northwest Arm)
Core 12
(Duffus Street)
Core 1
(Bedford Basin Centre North)
Core 18
(George's Island S.E.)
Core 3
(Bedford Bay)
Core 16
(George's Island S.E.)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 8
(Bedford Basin Centre South)
Depth (cm)
90 92 94 96 98 100

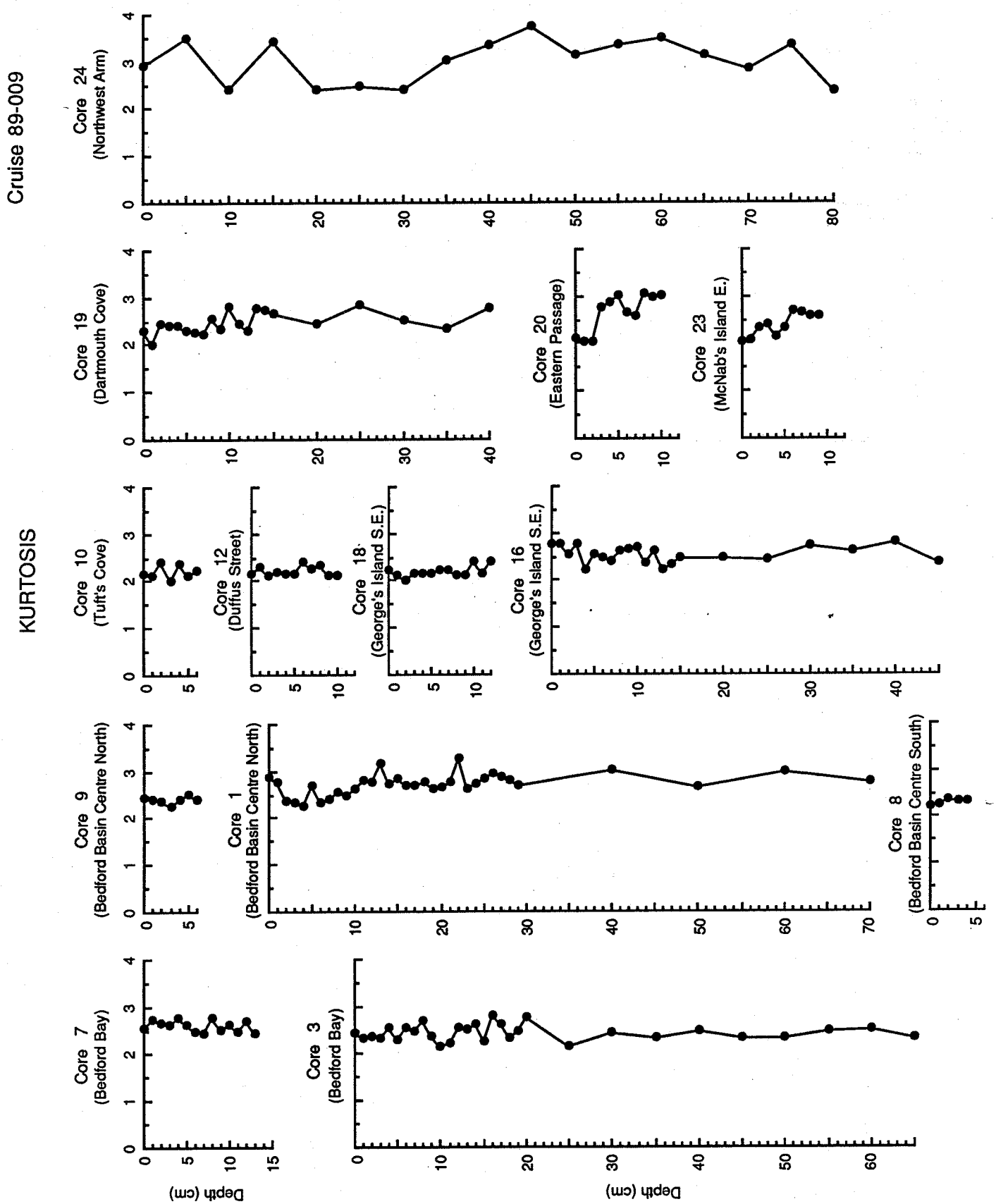
SILT (%)

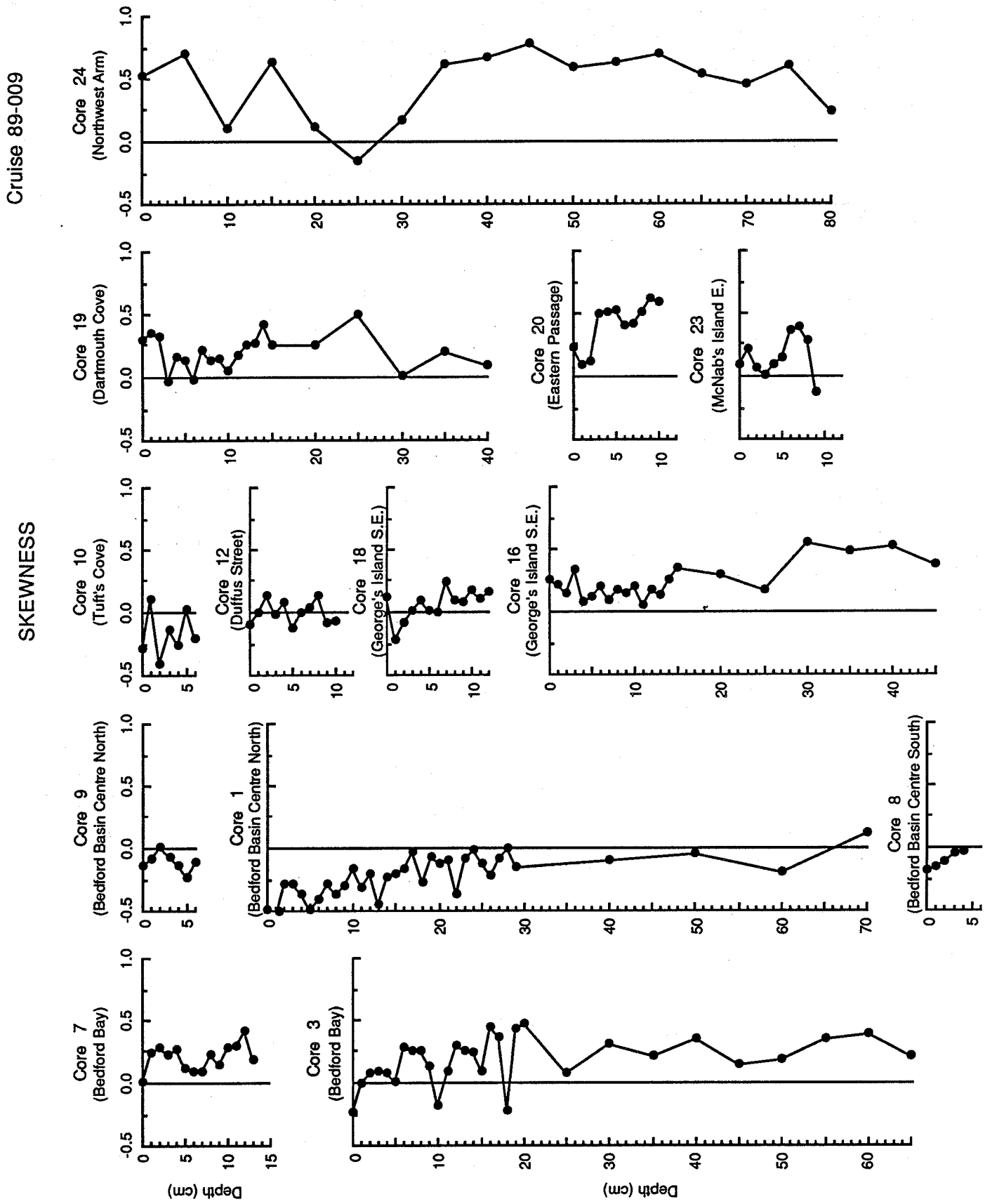
Cruise 89-009

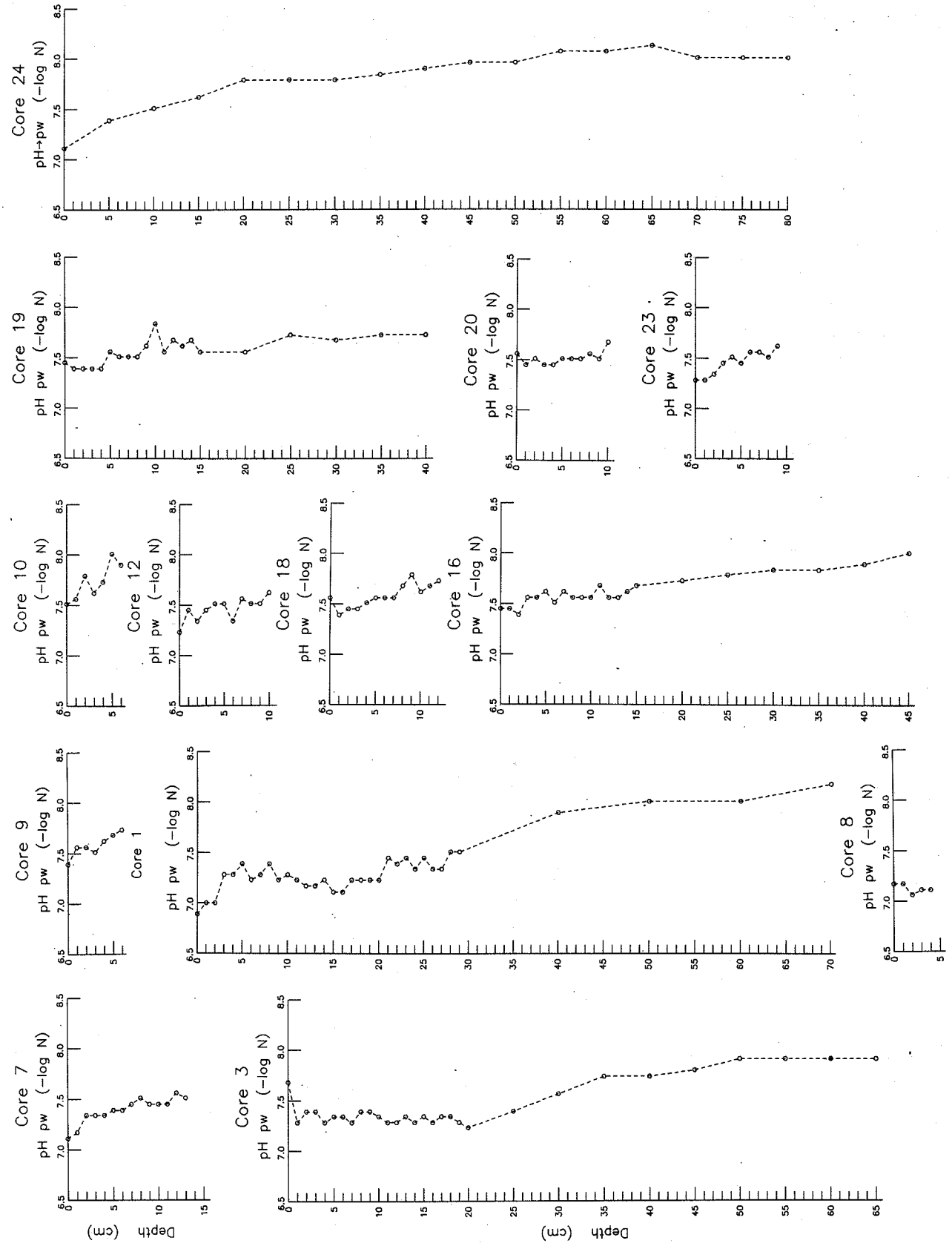


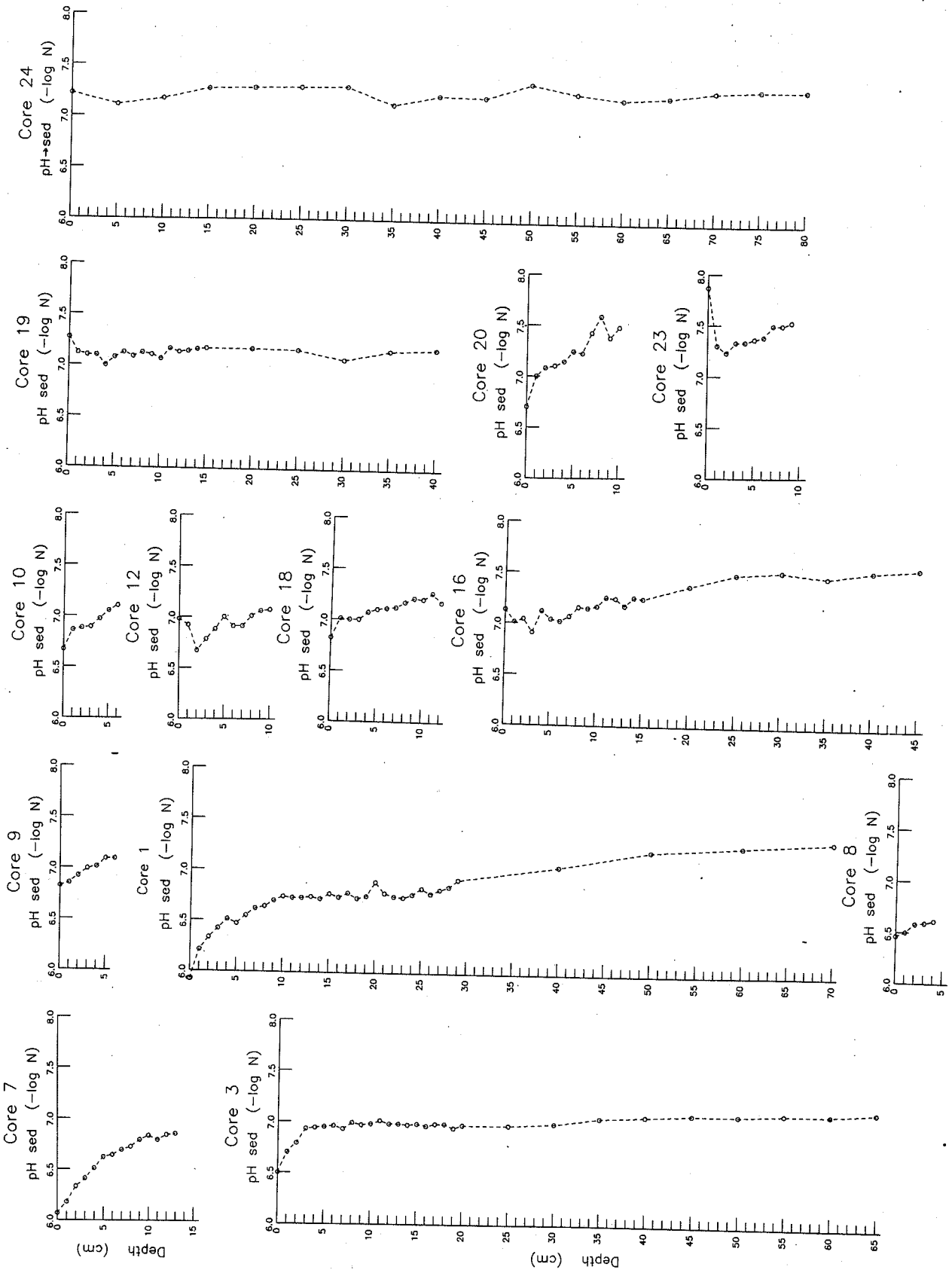

Cruise 89-009
CLAY (%)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

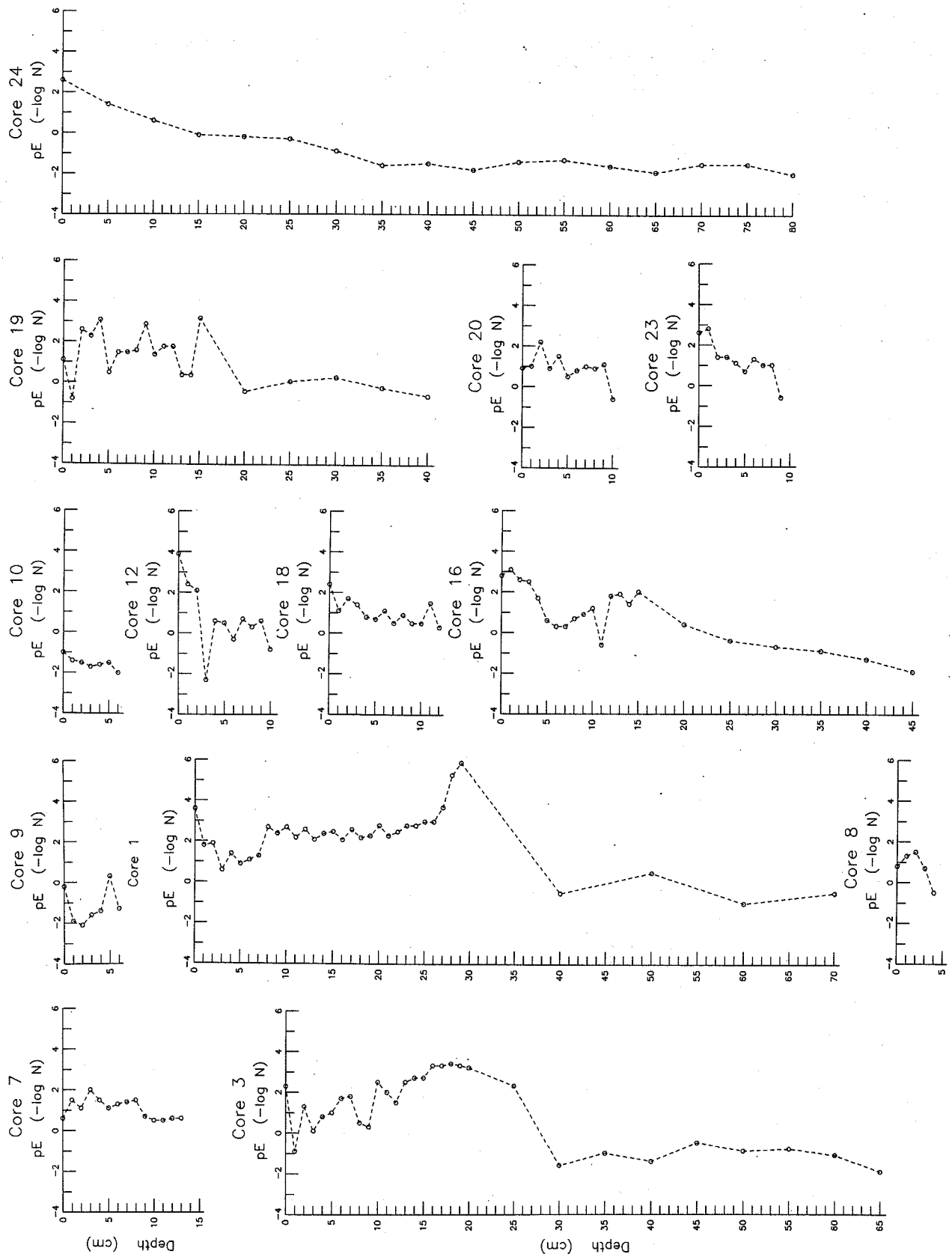

Cruise 89-009
GRAIN SIZE
phi units (ø)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)

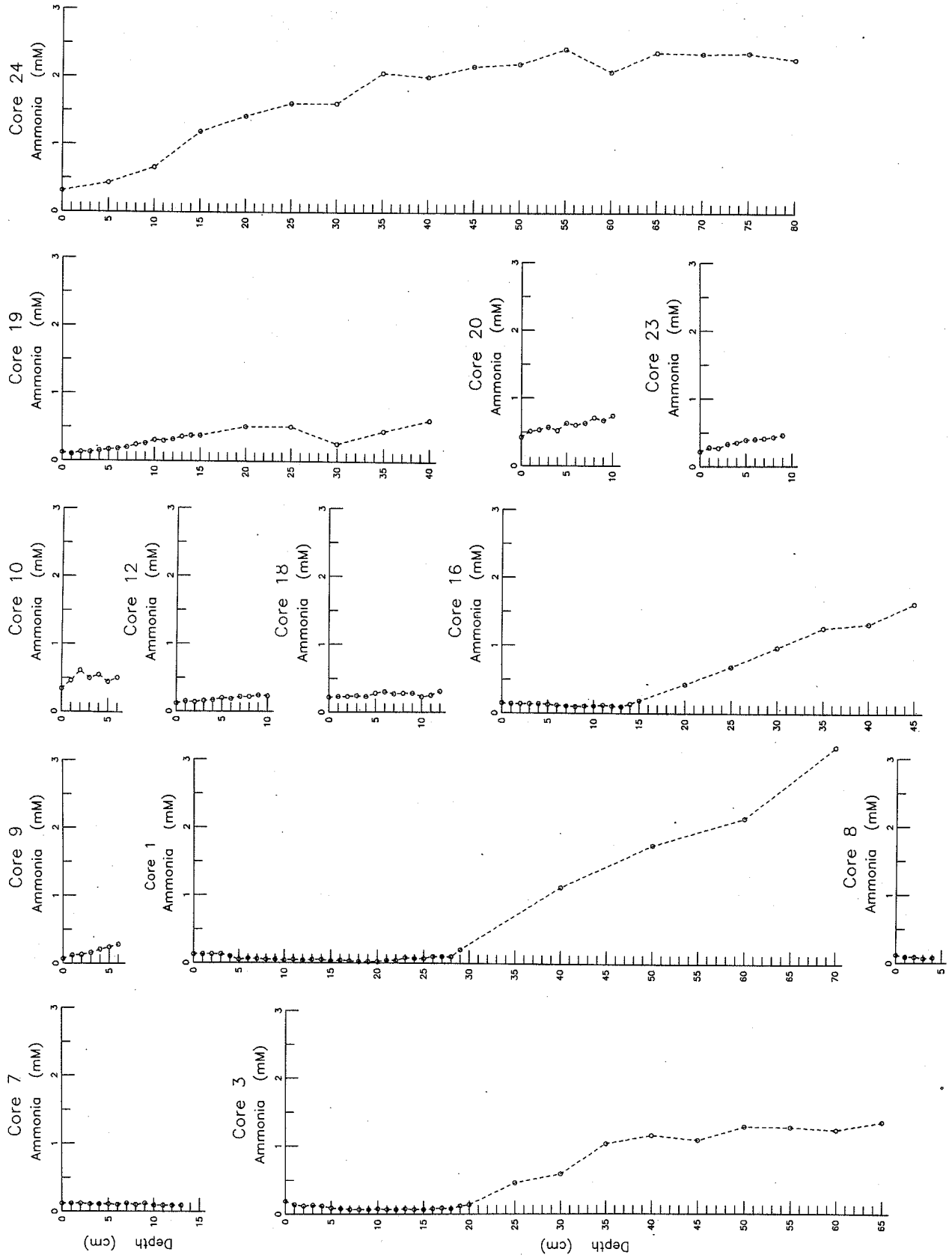

Cruise 89-009
KURTOSIS
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

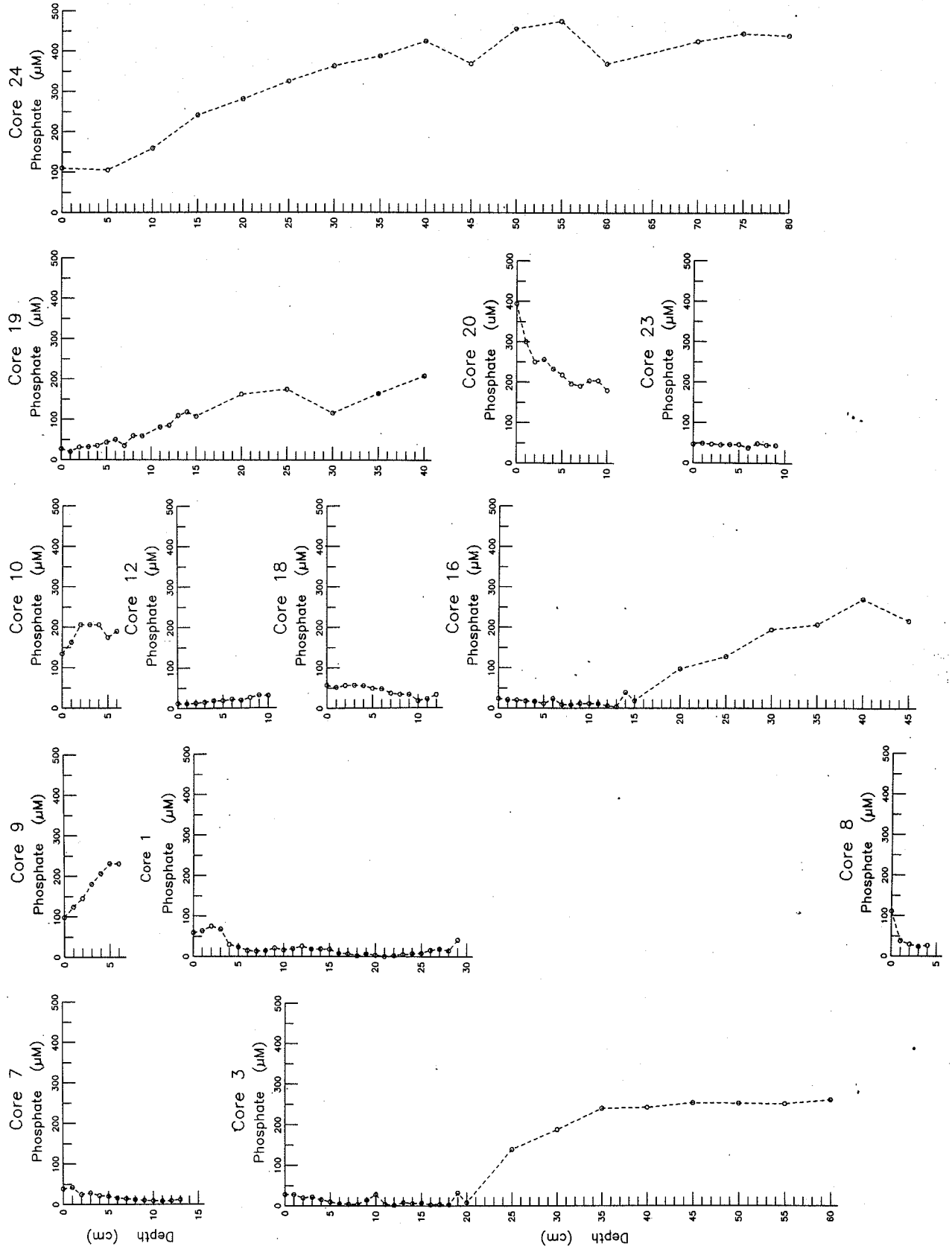

Cruise 89-009
SKEWNESS
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

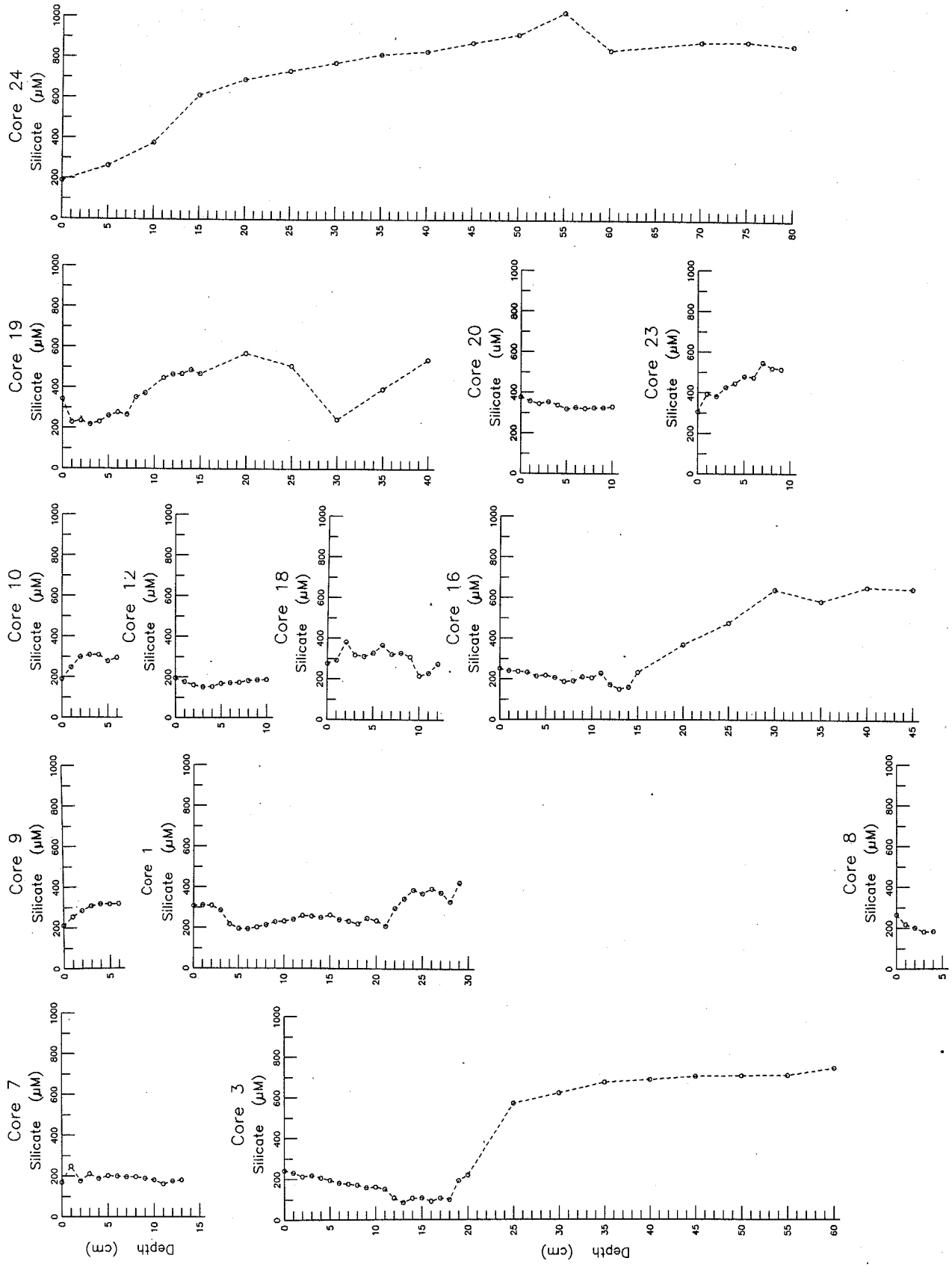

Core 24
pH→pw (−log N)
Core 19
pH pw (−log N)
Core 20
pH pw (−log N)
Core 23
pH pw (−log N)
Core 10
pH pw (−log N)
Core 12
pH pw (−log N)
Core 18
pH pw (−log N)
Core 16
pH pw (−log N)
Core 9
pH pw (−log N)
Core 1
pH pw (−log N)
Core 8
pH pw (−log N)
Core 7
pH pw (−log N)
Core 3
pH pw (−log N)
Depth (cm)
Depth (cm)

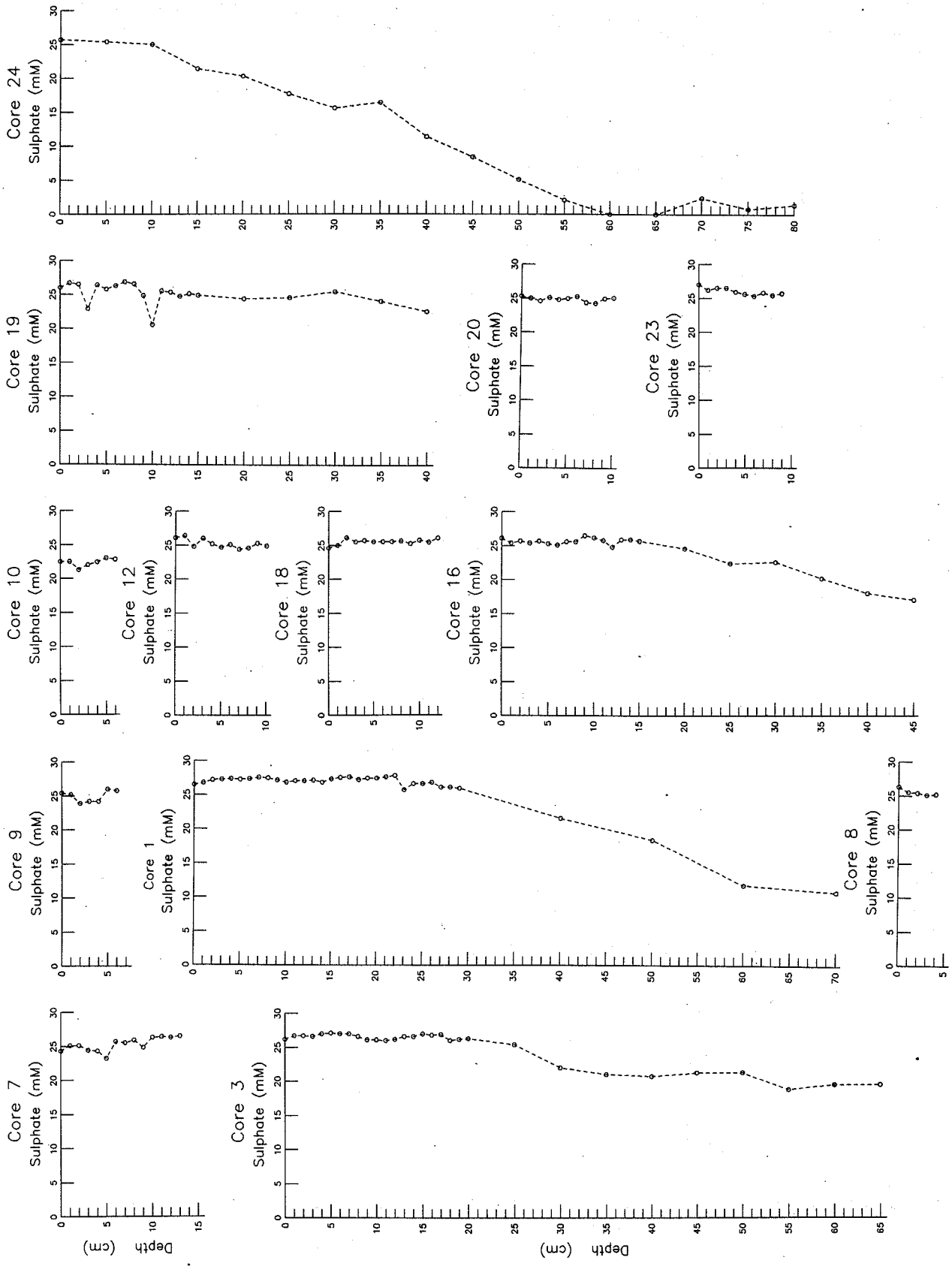

Core 24
pH→sed (−log N)
Core 19
pH sed (−log N)
Core 20
pH sed (−log N)
Core 23
pH sed (−log N)
Core 10
pH sed (−log N)
Core 12
pH sed (−log N)
Core 18
pH sed (−log N)
Core 16
pH sed (−log N)
Core 9
pH sed (−log N)
Core 1
pH sed (−log N)
Core 8
pH sed (−log N)
Core 7
pH sed (−log N)
Depth (cm)
Core 3
pH sed (−log N)
Depth (cm)

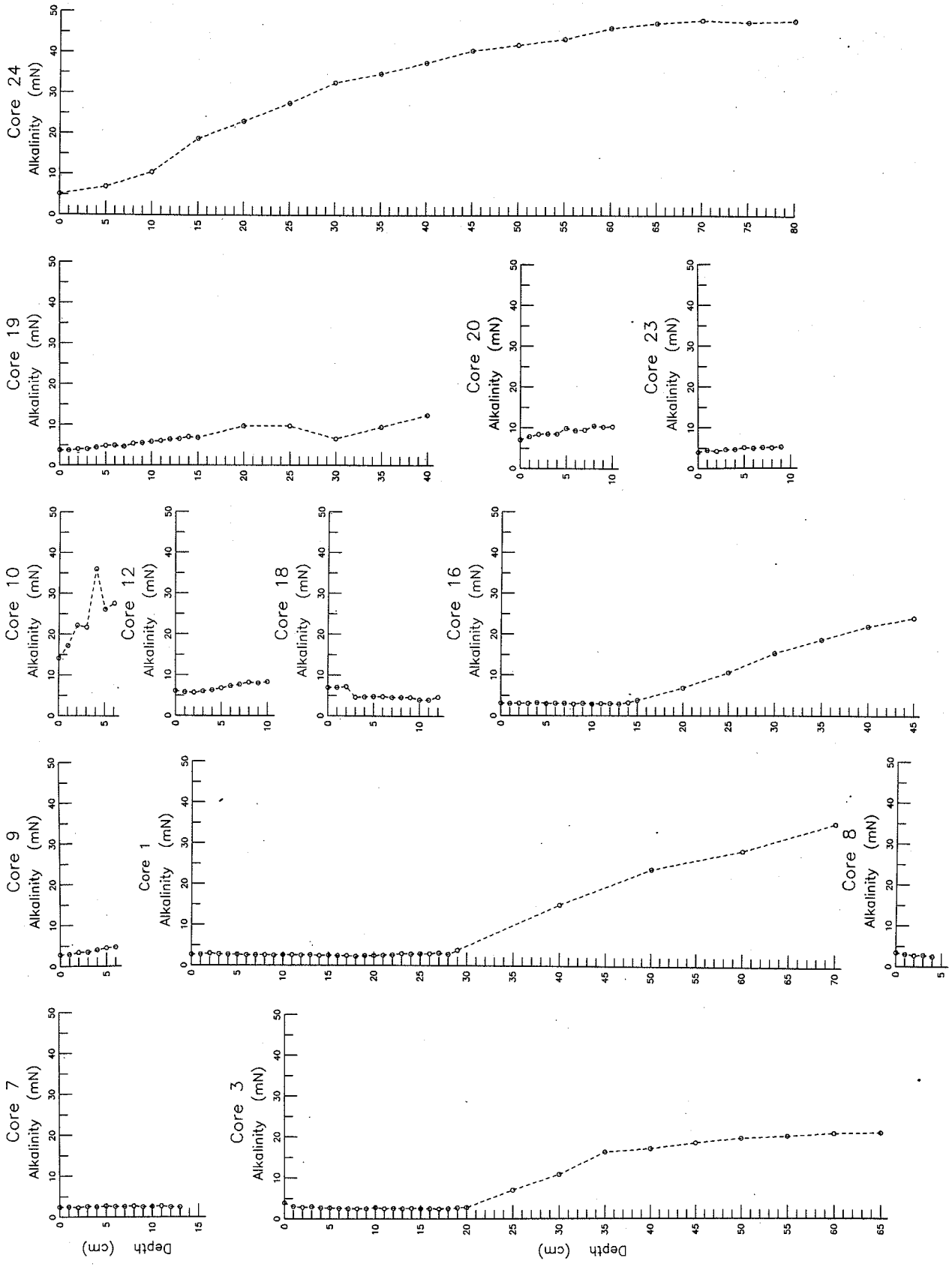

Core 24
pE (-log N)
Core 19
pE (-log N)
Core 20
pE (-log N)
Core 23
pE (-log N)
Core 10
pE (-log N)
Core 12
pE (-log N)
Core 18
pE (-log N)
Core 16
pE (-log N)
Core 9
pE (-log N)
Core 1
pE (-log N)
Core 8
pE (-log N)
Core 7
pE (-log N)
Core 3
pE (-log N)
Depth (cm)
Depth (cm)

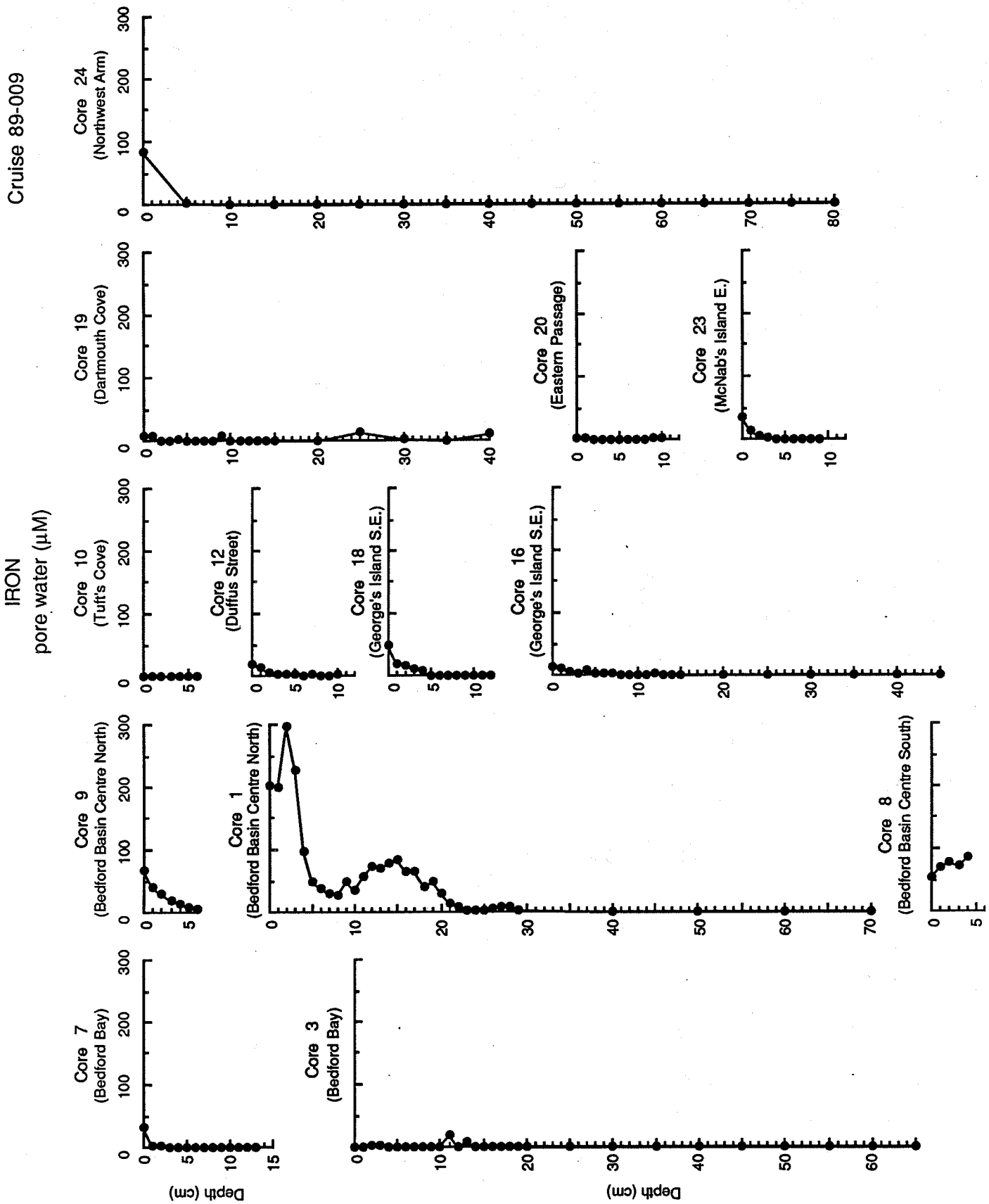

Core 24
Ammonia (mM)
Core 19
Ammonia (mM)
Core 20
Ammonia (mM)
Core 23
Ammonia (mM)
Core 10
Ammonia (mM)
Core 12
Ammonia (mM)
Core 18
Ammonia (mM)
Core 16
Ammonia (mM)
Core 9
Ammonia (mM)
Core 1
Ammonia (mM)
Core 8
Ammonia (mM)
Core 7
Ammonia (mM)
Core 3
Ammonia (mM)
Depth (cm)
Depth (cm)

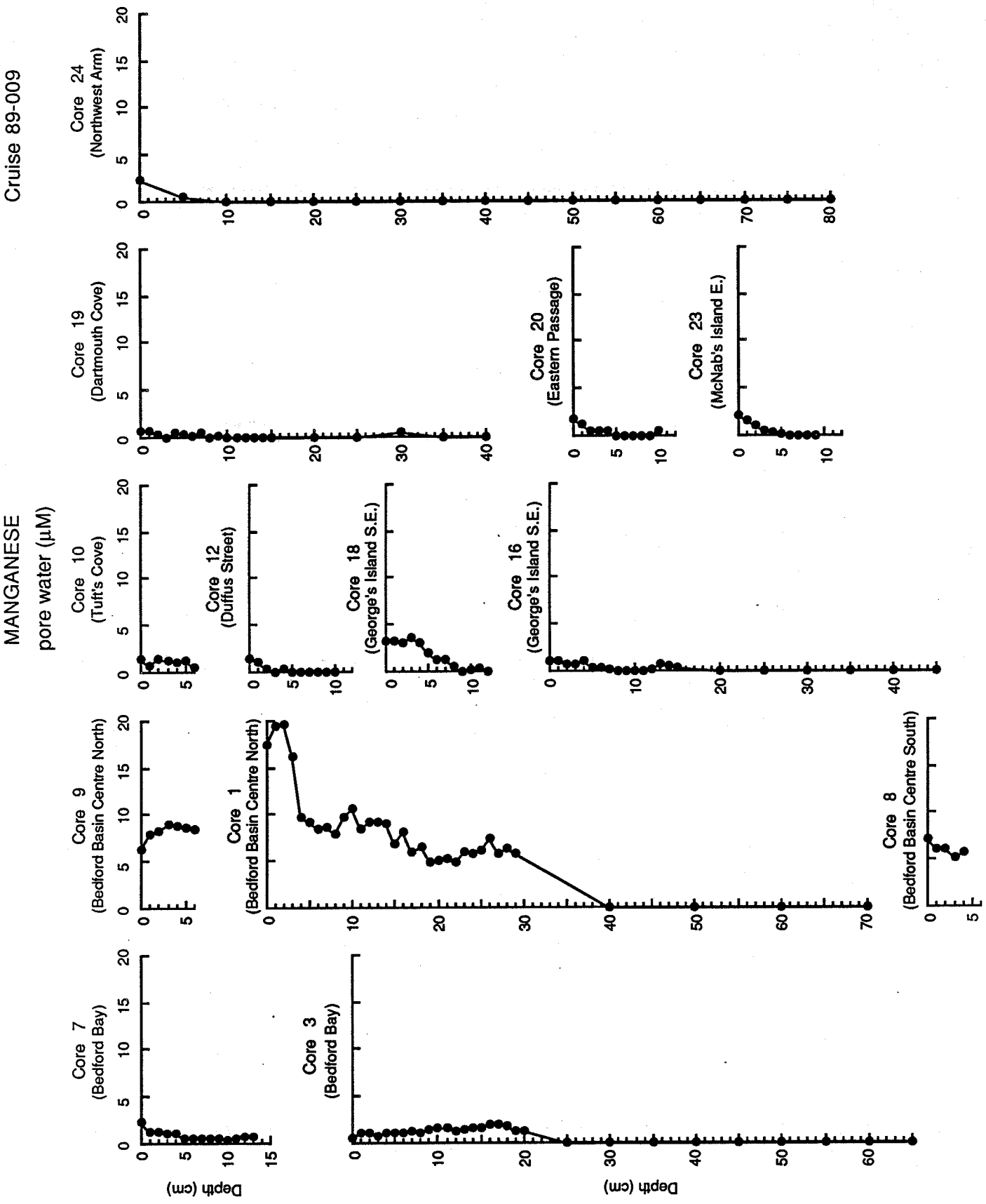

Core 24
Phosphate (µM)
Core 19
Phosphate (µM)
Core 20
Phosphate (uM)
Core 23
Phosphate (µM)
Core 10
Phosphate (µM)
Core 12
Phosphate (µM)
Core 18
Phosphate (µM)
Core 16
Phosphate (µM)
Core 9
Phosphate (µM)
Core 1
Phosphate (µM)
Core 8
Phosphate (µM)
Core 7
Phosphate (µM)
Core 3
Phosphate (µM)
Depth (cm)
Depth (cm)


Core 24
Silicate (µM)
Core 19
Silicate (µM)
Core 20
Silicate (uM)
Core 23
Silicate (µM)
Core 10
Silicate (µM)
Core 12
Silicate (µM)
Core 18
Silicate (µM)
Core 16
Silicate (µM)
Core 9
Silicate (µM)
Core 1
Silicate (µM)
Core 8
Silicate (µM)
Core 7
Silicate (µM)
Core 3
Silicate (µM)
Depth (cm)
Depth (cm)


Core 24
Sulphate (mM)
Core 19
Sulphate (mM)
Core 20
Sulphate (mM)
Core 23
Sulphate (mM)
Core 10
Sulphate (mM)
Core 12
Sulphate (mM)
Core 18
Sulphate (mM)
Core 16
Sulphate (mM)
Core 9
Sulphate (mM)
Core 1
Sulphate (mM)
Core 8
Sulphate (mM)
Core 7
Sulphate (mM)
Core 3
Sulphate (mM)
Depth (cm)
Depth (cm)


Core 24
Alkalinity (mN)
Core 19
Alkalinity (mN)
Core 20
Alkalinity (mN)
Core 23
Alkalinity (mN)
Core 10
Alkalinity (mN)
Core 12
Alkalinity (mN)
Core 18
Alkalinity (mN)
Core 16
Alkalinity (mN)
Core 9
Alkalinity (mN)
Core 1
Alkalinity (mN)
Core 8
Alkalinity (mN)
Core 7
Alkalinity (mN)
Core 3
Alkalinity (mN)
Depth (cm)
Depth (cm)


Cruise 89-009
IRON
pore water (µM)
Core 24
(Northwest Arm)
Core 19
(Dartmouth Cove)
Core 20
(Eastern Passage)
Core 23
(McNab's Island E.)
Core 10
(Tuft's Cove)
Core 12
(Duffus Street)
Core 18
(George's Island S.E.)
Core 16
(George's Island S.E.)
Core 9
(Bedford Basin Centre North)
Core 1
(Bedford Basin Centre North)
Core 8
(Bedford Basin Centre South)
Core 7
(Bedford Bay)
Core 3
(Bedford Bay)
Depth (cm)
Depth (cm)


Cruise 89-009
MANGANESE
pore water (µM)
Core 24 (Northwest Arm)
Core 19 (Dartmouth Cove)
Core 20 (Eastern Passage)
Core 23 (McNab's Island E.)
Core 10 (Tuft's Cove)
Core 12 (Duffus Street)
Core 18 (George's Island S.E.)
Core 16 (George's Island S.E.)
Core 9 (Bedford Basin Centre North)
Core 1 (Bedford Basin Centre North)
Core 8 (Bedford Basin Centre South)
Core 7 (Bedford Bay)
Core 3 (Bedford Bay)
Depth (cm)
Depth (cm)

**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. We are very grateful for the efforts of R. Miller, G. Fader, A. Atkinson, D. Beaver, R. Murphy, M. Gorveatt and Captain J. Bray and the crew of the F.R.V. Navicula. We thank K. Asprey and G. Fader for their critical review of this manuscript.

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