Appendix–A

Table 1A: Major and trace element concentrations† in upper slope sediments

Depth (cm)	Al (%)	Fe (%)	Ca (%)	Mn (ppm)	Ni (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)
L-8								
(0-1)	3.48	2.31	15.4	198.4	89.9	39.4	93.8	55.2
(1-2)	3.16	2.05	17.9	179.6	83.1	59.4	61.7	64.4
(2-3)	2.94	1.88	20.0	163.3	76.8	55.3	56.5	63.6
(3-4)	3.04	1.96	19.2	165.8	83.7	59.1	91.4	58.3
(3-4)R	2.99	1.92	19.7	168.9	79.9	58.6	88.6	50.3
(4-5)	3.07	2.08	18.2	177.5	89.5	63.8	64.6	54.4
(5-6)	3.19	2.18	18.2	182.7	89.7	63.8	67.6	54.4
(6-7)	3.03	2.03	18.8	172.6	87.1	59.9	61.4	44.3
(8-10)	2.70	1.78	18.7	158.9	75.4	53.3	55.5	42.8
(10-14)	2.62	1.72	19.8	162.2	76.7	52.7	54.0	41.7
(18-20)	2.27	1.74	21.9	149.2	75.3	49.2	53.0	40.9
J-7								
(0-2)	1.68	1.22	29.1	107.5	55.8	28.1	34.8	45.8
(2-3)	1.77	1.29	29.2	117.6	54.5	28.6	38.4	44.9
(3-4)	1.59	1.18	26.0	99.2	59.1	28.5	37.6	44.6
(4-5)	1.57	1.09	30.3	103.0	52.1	27.7	35.1	45.0
(5-6)	1.60	1.12	30.5	101.8	52.4	27.1	33.5	44.2
(6-7)	1.79	1.29	29.2	114.3	56.3	30.1	38.4	45.6
(9-10)	1.54	1.13	30.3	101.4	53.7	28.2	34.9	44.3
(9-10)R	1.61	1.17	31.2	102.7	54.4	28.6	34.2	44.9
(10-12)	2.17	1.61	26.8	130.4	65.9	39.5	44.9	41.3
(14-16)	1.95	1.45	26.4	124.3	61.3	37.2	41.1	39.9
(18-20)	1.62	1.17	29.1	107.8	54.5	31.2	33.1	40.4
(20-22)	1.78	1.34	27.6	117.1	58.2	36.8	37.1	43.1
I-5								
(0-2)	1.02	1.84	32.5	71.1	54.2	25.7	39.4	42.0
(2-4)	1.00	1.88	65.8	65.8	55.8	26.6	39.9	40.2
(4-6)	1.42	2.63	29.1	77.4	61.8	31.3	45.7	40.5
(4-6)R	1.37	2.39	30.0	72.6	60.5	30.4	44.1	42.9
(6-8)	1.44	2.29	30.3	82.4	62.7	31.2	52.6	42.5

† concentration expressed on bulk sediment basis

R denotes repeat measurement

Table 2A: Major and trace elements concentrations† in lower slope sediments

Depth (cm)	Al (%)	Fe (%)	Ni (ppm)	Cu (ppm)	Zn (ppm)
K-11					
(0-1)	3.75	2.52	71.3	57.5	70.8
(1-2)	3.74	2.49	74.8	58.9	73.3
(2-3)	3.75	2.88	74.3	56.7	72.3
(3-4)	3.75	2.42	90.4	59.4	74.8
(4-5)	3.65	2.38	79.3	57.8	74.8
(5-6)	3.62	2.33	64.5	58.7	77.9
(6-7)	3.54	2.33	64.1	57.4	70.6
(7-8)	3.35	2.20	49.6	54.0	66.2
(7-8)R	3.32	2.29	57.8	56.9	65.7
(8-9)	3.24	2.19	55.3	55.9	64.7
(9-10)	3.26	2.21	49.7	54.2	62.8
(10-12)	3.33	2.29	47.5	56.1	66.8
(12-14)	3.27	2.25	38.9	55.1	63.8
(12-14)R	3.32	2.34	45.3	53.4	60.9
(14-16)	3.21	2.37	42.7	58.0	60.2
(16-18)	3.48	2.31	44.6	56.3	62.8
(18-20)	3.07	2.26	39.2	47.8	53.6
(20-22)	3.04	2.24	38.9	55.0	52.3
(22-24)	3.00	2.12	46.1	52.4	61.3

Depth (cm)	Al (%)	Fe (%)	Ni (ppm)	Cu (ppm)	Zn (ppm)
M-12					
(0-1)	6.24	4.46	103.4	57.4	108.8
(1-2)	6.15	4.26	87.2	56.5	94.6
(2-3)	6.02	4.00	63.8	51.6	86.9
(3-4)	5.96	3.86	63.2	50.2	87.3
(4-5)	5.44	3.85	64.2	50.0	85.5
(4-5)R	5.64	3.91	65.5	56.2	88.5
(5-6)	5.07	3.81	63.3	58.7	91.0
(6-7)	4.94	3.49	59.1	57.8	89.8
(7-8)	4.77	3.53	70.2	65.6	90.6
(8-9)	4.59	3.52	70.7	59.6	86.9
(9-10)	4.49	3.59	78.1	62.8	86.8
(10-12)	4.52	3.53	73.5	59.2	89.8
(12-14)	4.55	3.44	80.5	63.2	89.5
(14-16)	4.62	3.29	78.9	59.2	90.7
(16-18)	4.44	3.09	72.3	58.2	86.6
(18-20)	4.29	3.06	73.4	57.3	83.0
(20-25)	4.37	3.03	71.9	56.9	82.9

† concentration expressed on bulk sediment basis
R denotes repeat measurement

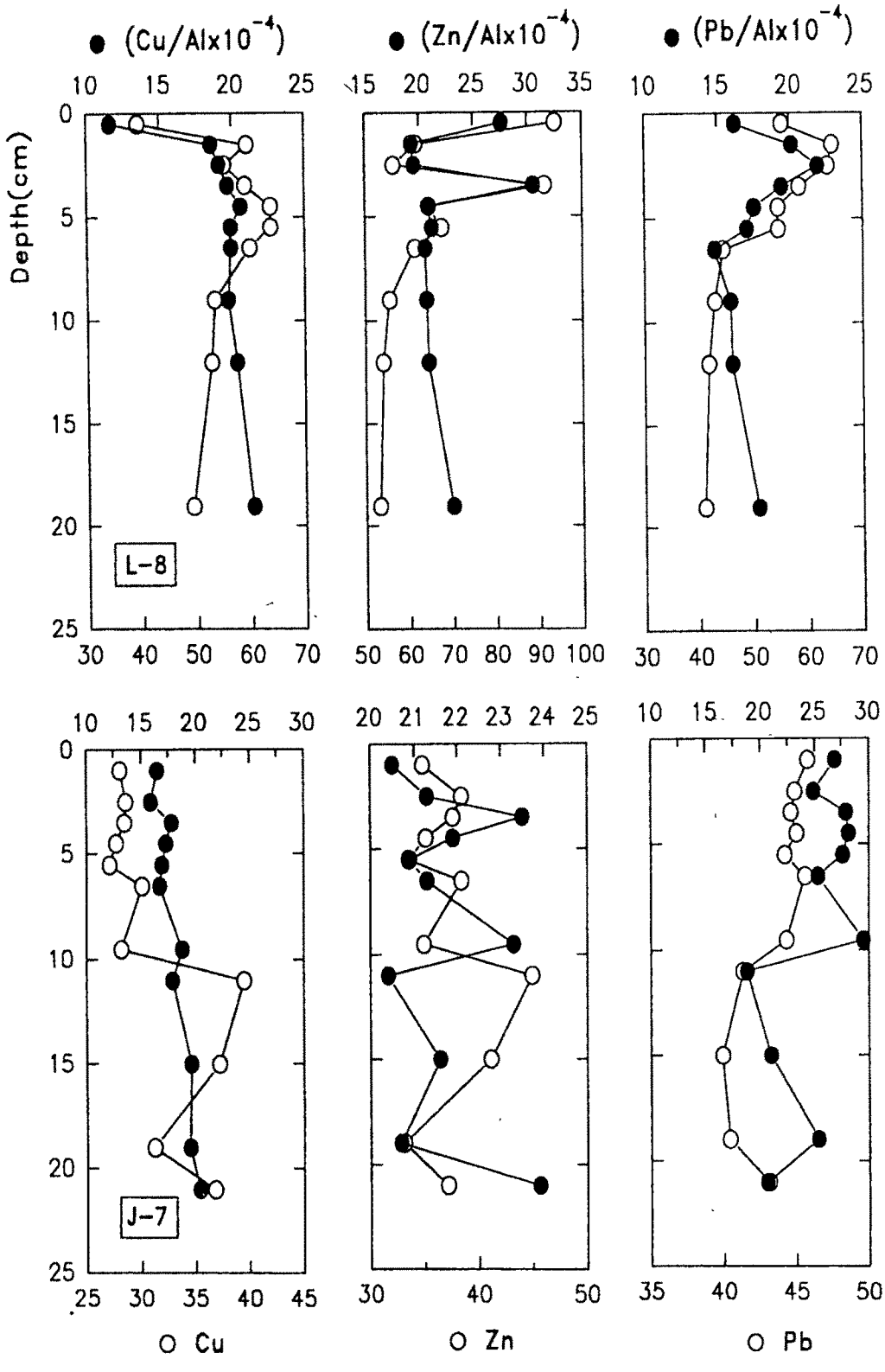

Fig. 1A: The depth profile of metal and metal/Al weight ratios in upper slope sediment cores L-8 and J-7. As there is no uniform increase in either metal or metal/Al ratios for Cu, Zn and Pb from bottom section of the cores, the influence of anthropogenic inputs is not clearly discernible in these sediments.

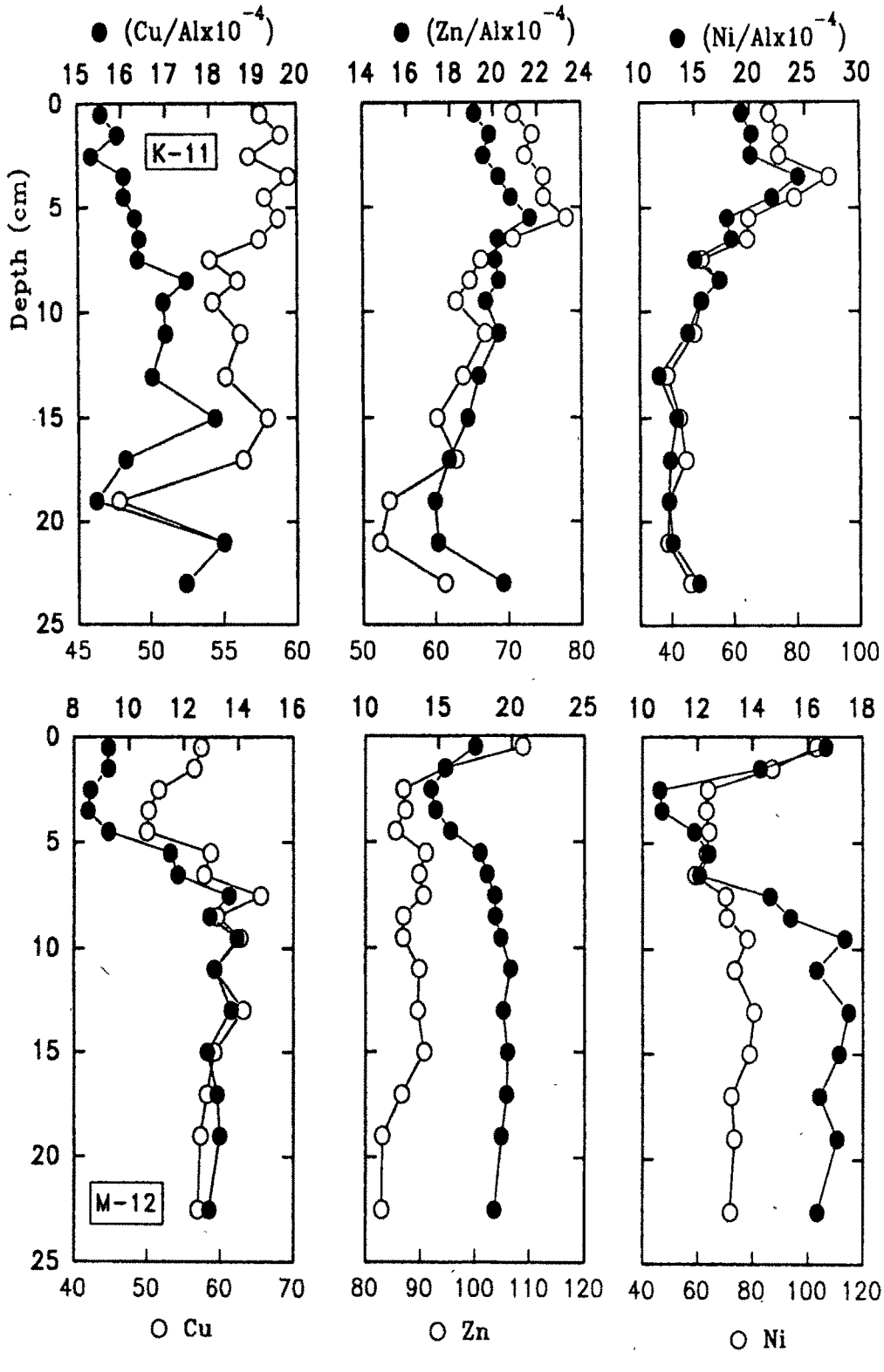

Fig. 2A: The depth profile of metal and metal/Al weight ratios for K-11 and M-12 sediment cores from the lower slope region. The sedimentary record does not illustrate unequivocal indication of recent anthropogenic inputs of these metals.