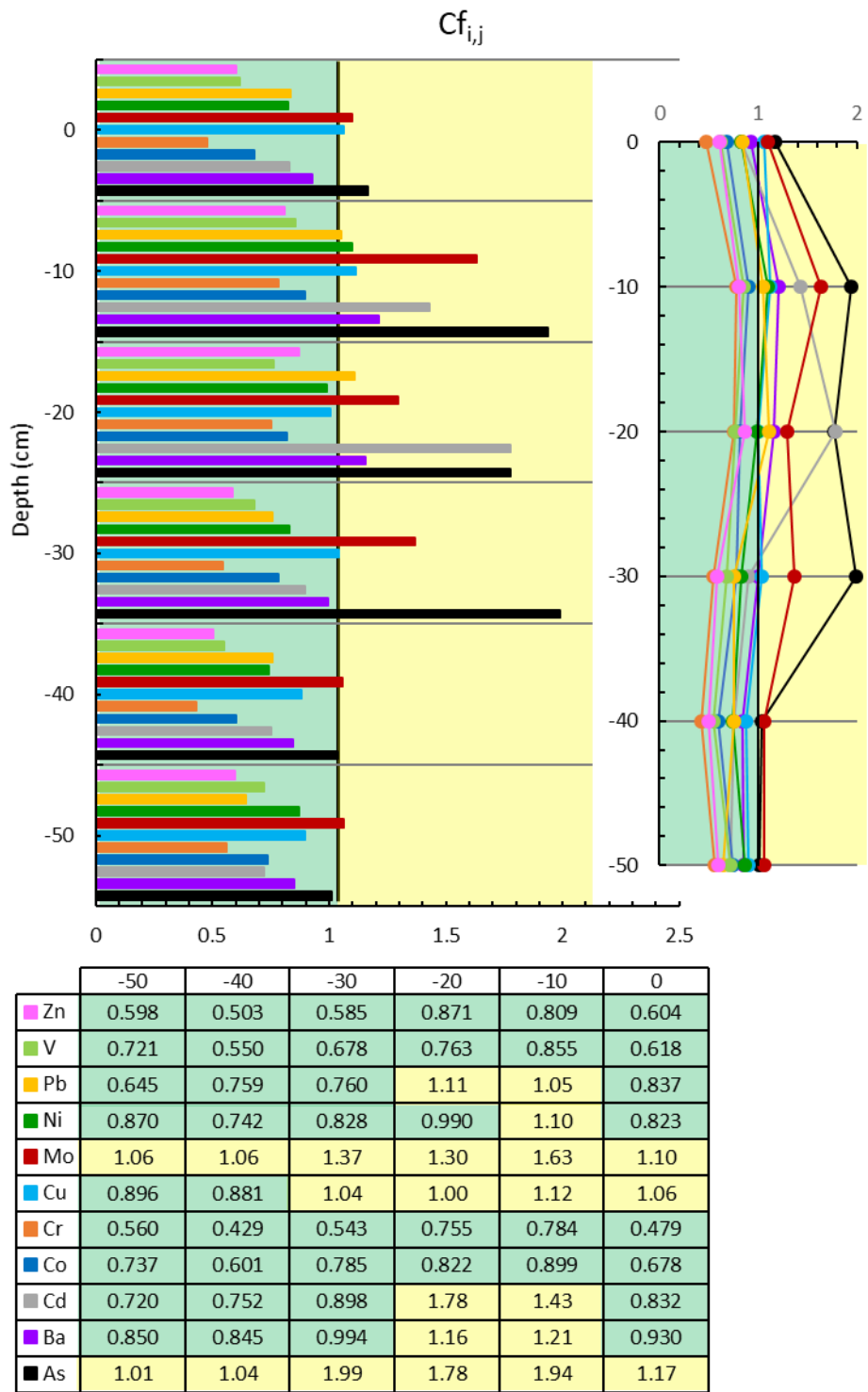
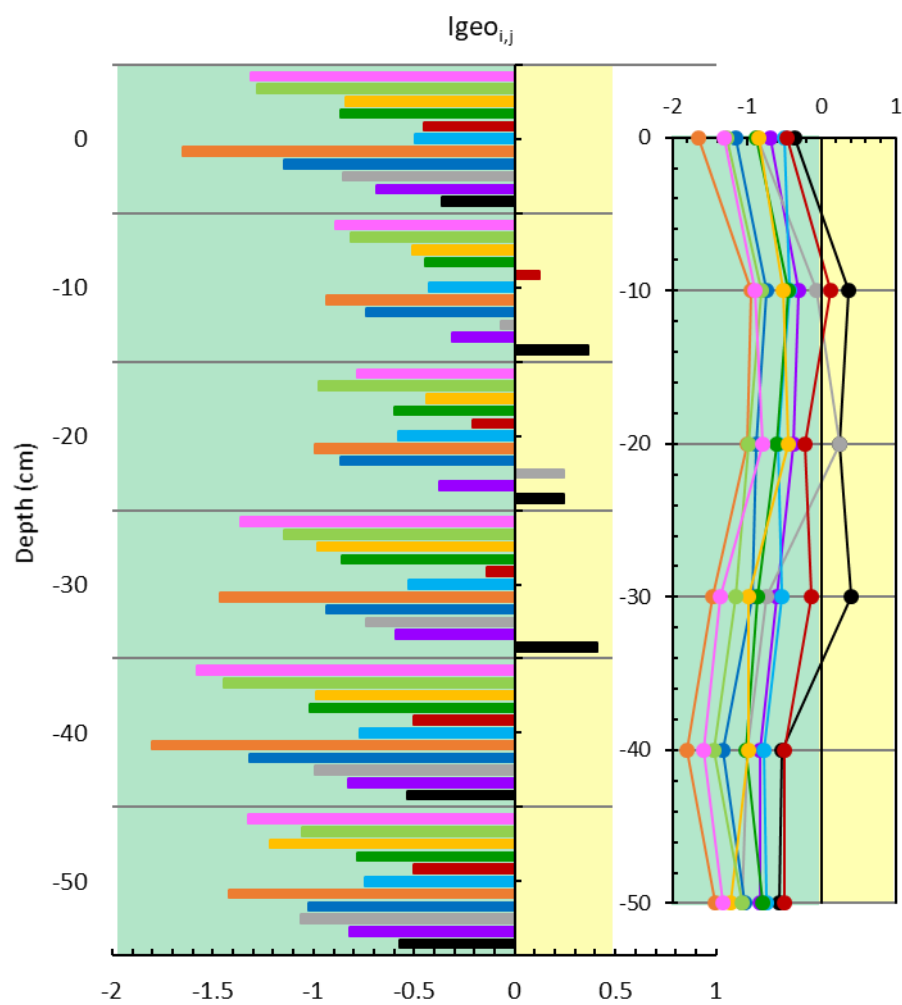


Supplementary Information: Figure S1. Profile of individual contamination indices and their classification. Embedded table show the index values at different depths

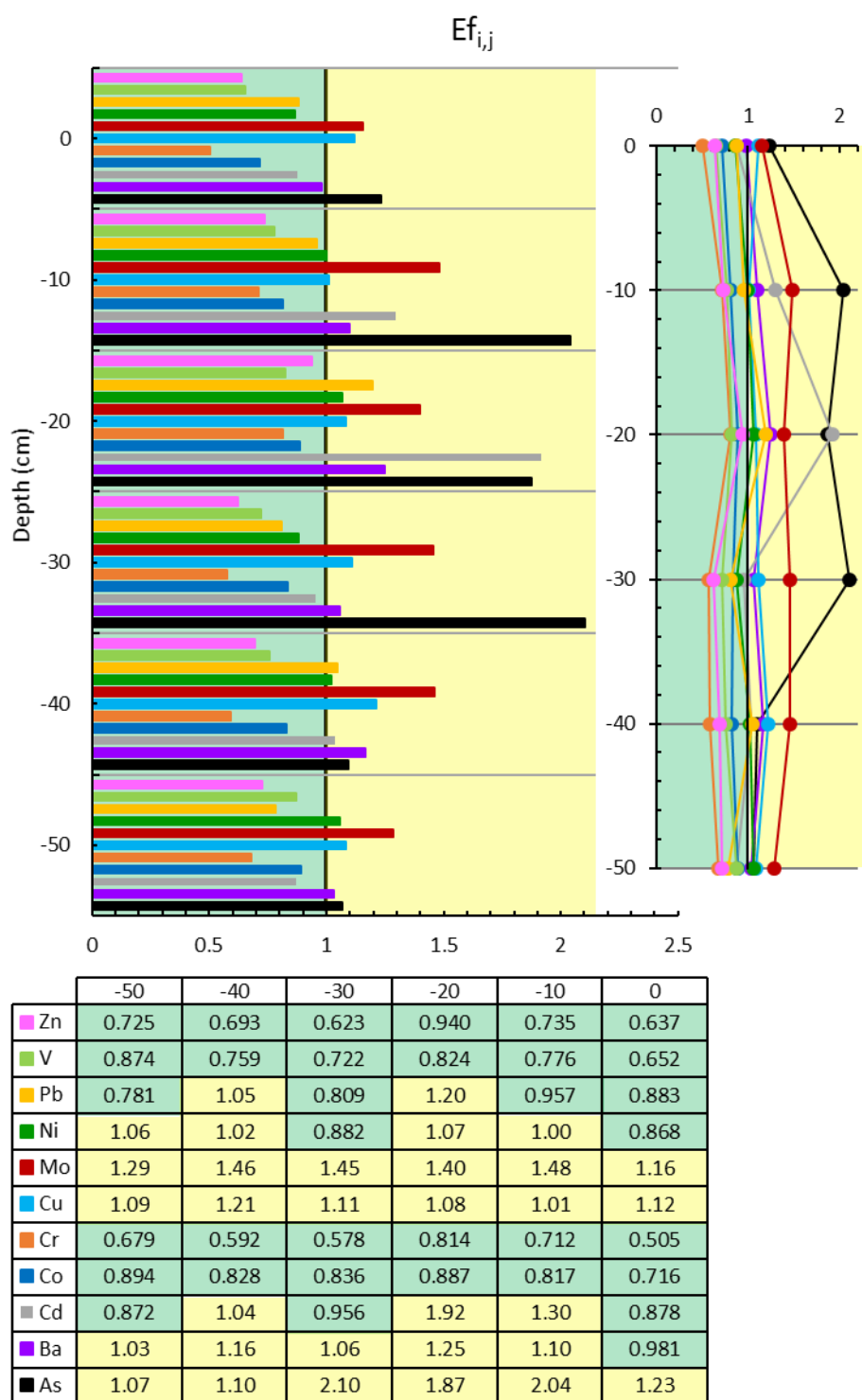


(a)



	-50	-40	-30	-20	-10	0
Zn	-1.33	-1.58	-1.36	-0.784	-0.890	-1.31
V	-1.06	-1.45	-1.15	-0.975	-0.812	-1.28
Pb	-1.22	-0.983	-0.981	-0.435	-0.509	-0.842
Ni	-0.785	-1.02	-0.857	-0.600	-0.448	-0.867
Mo	-0.501	-0.501	-0.135	-0.212	0.121	-0.452
Cu	-0.744	-0.768	-0.528	-0.578	-0.427	-0.498
Cr	-1.42	-1.80	-1.47	-0.99	-0.94	-1.65
Co	-1.02	-1.32	-0.934	-0.867	-0.738	-1.14
Cd	-1.06	-1.00	-0.740	0.244	-0.070	-0.850
Ba	-0.819	-0.828	-0.594	-0.376	-0.308	-0.690
As	-0.569	-0.531	0.409	0.243	0.368	-0.362

(b)



(c)

Figure S1. Profile of individual contamination indices and their classification. Cf: $Cf < 1$ low pollution, $1 < Cf < 3$ moderate contamination; Ef: $Ef < 1$ no enrichment, $1 < Ef < 3$ minor enrichment; Igeo: $Igeo < 0$ uncontaminated, $0 < Igeo < 1$ uncontaminated-moderately contaminated. Representation of pollutants: —●— As, —●— Ba, —●— Cd, —●— Co, —●— Cr, —●— Cu, —●— Mo, —●— Ni, —●— Pb, —●— V, —●— Zn.

Table of index values at different depths