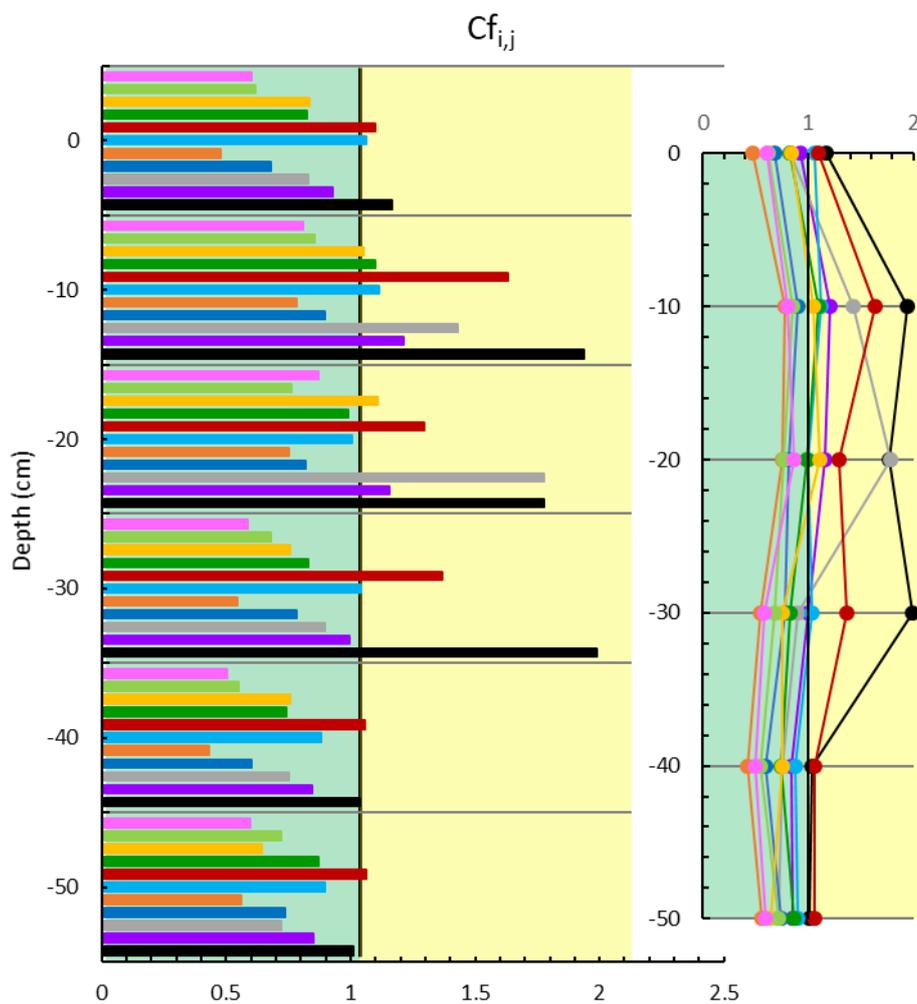
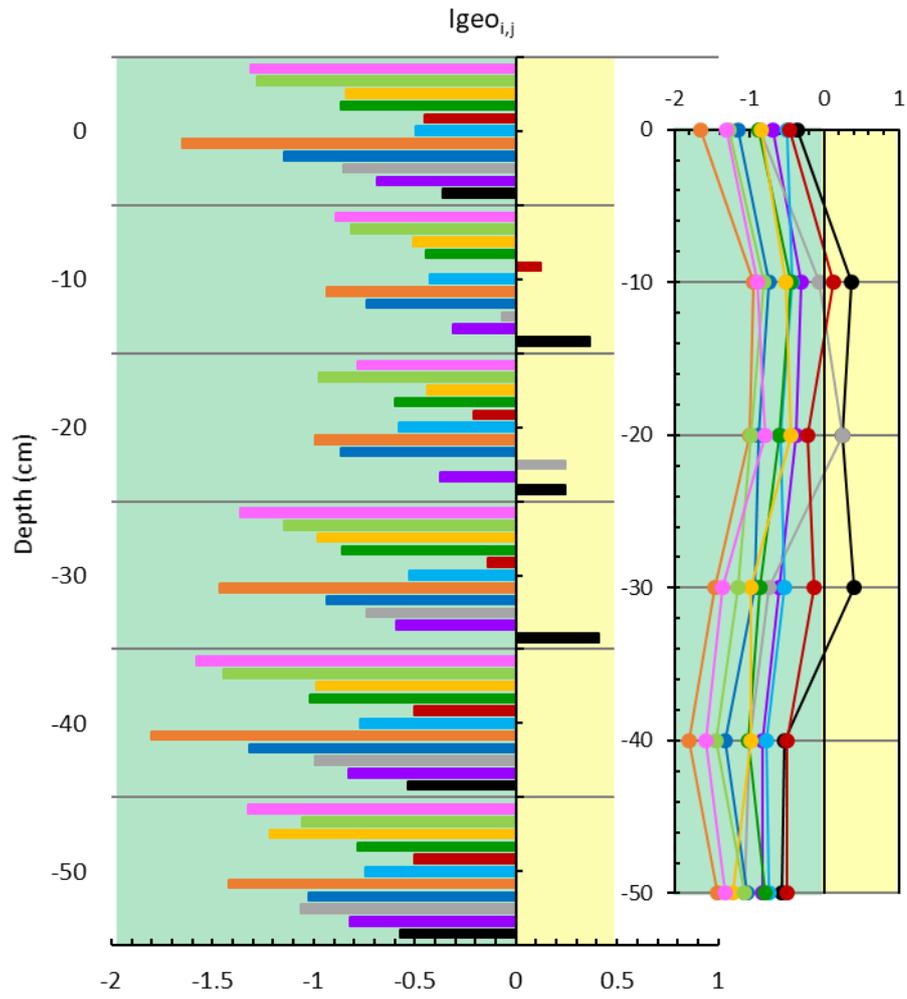


Supplementary Information: Figure S1. Profile of individual contamination indices and their classification. Embedded table show the index values at different depths



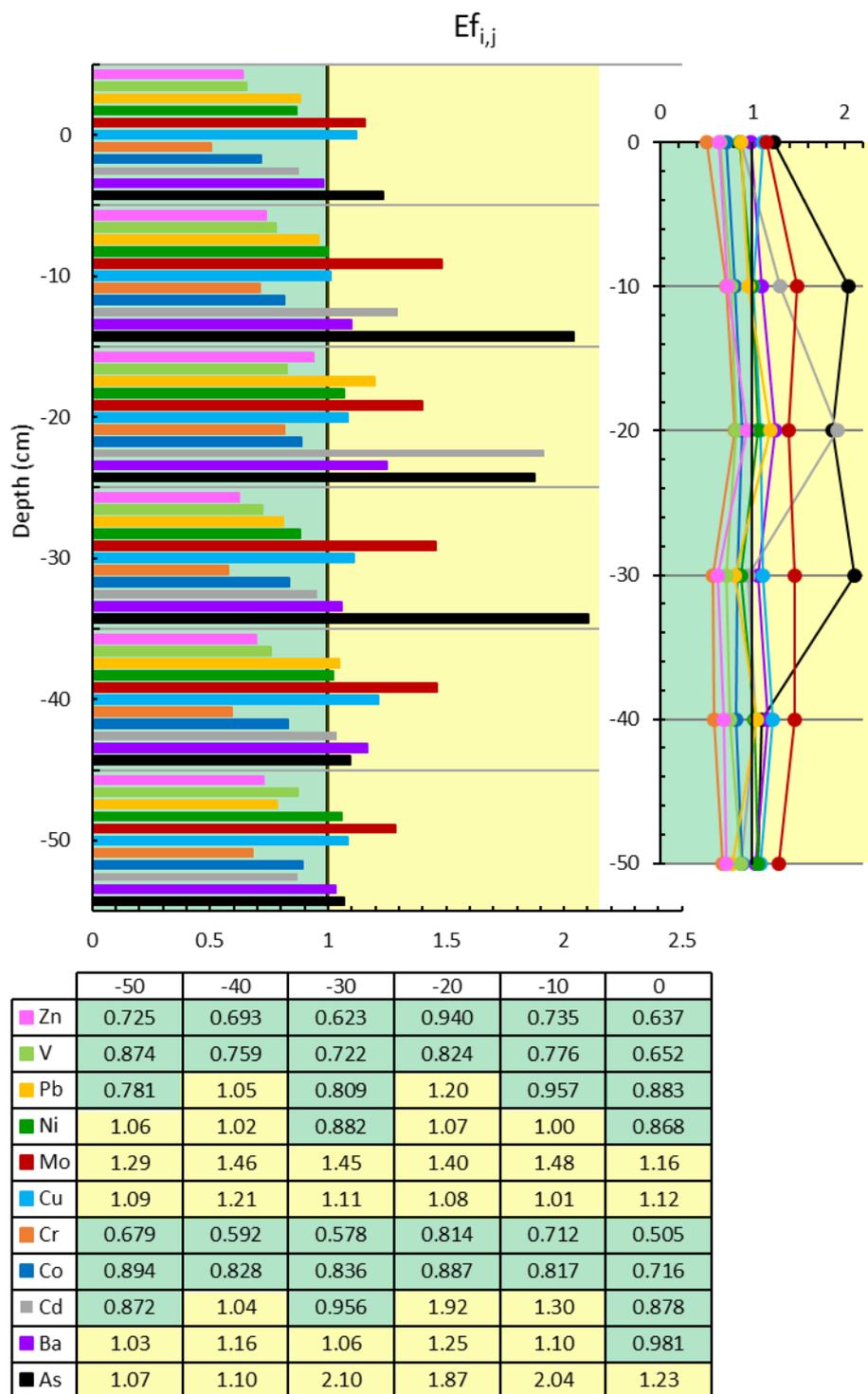
	-50	-40	-30	-20	-10	0
Zn	0.598	0.503	0.585	0.871	0.809	0.604
V	0.721	0.550	0.678	0.763	0.855	0.618
Pb	0.645	0.759	0.760	1.11	1.05	0.837
Ni	0.870	0.742	0.828	0.990	1.10	0.823
Mo	1.06	1.06	1.37	1.30	1.63	1.10
Cu	0.896	0.881	1.04	1.00	1.12	1.06
Cr	0.560	0.429	0.543	0.755	0.784	0.479
Co	0.737	0.601	0.785	0.822	0.899	0.678
Cd	0.720	0.752	0.898	1.78	1.43	0.832
Ba	0.850	0.845	0.994	1.16	1.21	0.930
As	1.01	1.04	1.99	1.78	1.94	1.17

(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