

Table 3 Mean concentrations (ppm) of metals in sediments of Inner Harbor of Sinop Peninsula in the Black Sea

Depths (cm)	Metals															
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe(%)	As	U	Au	Th	Sr	Cd	Hg
0-2	0.27	14.44	14.45	34.9	58	16.5	9.0	460	2.37	7.8	0.8	<0.1	2.6	525	0.05	<0.01
2-4	1.00	12.54	13.61	31.6	51	15.9	8.2	449	1.99	5.5	0.6	<0.1	2.0	595	0.05	0.02
4-6	0.21	16.31	13.12	31.6	65	14.1	7.5	421	1.74	4.9	0.7	<0.1	2.1	737	0.06	0.02
6-8	0.22	17.13	15.70	29.2	60	14.7	5.3	328	1.43	5.9	0.7	<0.1	2.3	906	0.09	0.01
8-10	0.24	12.78	13.50	26.4	88	13.1	5.3	790	1.43	7.2	1.0	<0.1	4.3	823	0.07	0.02
Depths (cm)	Metals															
	Sb	Bi	V	Ca(%)	P(%)	La	Cr	Mg(%)	Ba	Ti(%)	Al(%)	Na (%)	K(%)	W	Zr	
0-2	0.39	0.05	111	14.05	0.039	10.3	148	1.17	107	0.251	2.13	0.745	0.52	0.5	36.5	
2-4	0.30	0.04	90	15.79	0.039	9.6	141	1.21	128	0.208	2.15	0.796	0.58	0.3	29.0	
4-6	0.33	0.04	74	21.43	0.039	9.3	81	1.04	123	0.176	1.96	0.794	0.51	0.4	27.2	
6-8	0.38	0.09	51	23.87	0.042	9.2	52	0.88	142	0.137	1.78	0.761	0.57	0.4	24.9	
8-10	0.64	0.04	45	23.72	0.037	11.0	43	0.96	136	0.124	2.21	0.765	0.71	0.6	33.6	
Depths (cm)	Metals															
	Sn	Be	Sc	S (%)	Y	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	
0-2	3.2	<1	17.8	<0.04	9.2	20.43	2.7	11.5	3.0	0.7	2.3	0.3	1.8	0.3	0.8	
2-4	2.5	<1	17.2	<0.04	9.3	20.44	2.7	11.5	2.6	0.6	2.3	0.3	1.7	0.3	0.8	
4-6	2.7	<1	14.9	0.05	8.8	18.82	2.3	10.4	2.2	0.5	1.9	0.3	1.8	0.3	0.9	
6-8	1.5	<1	11.0	0.05	7.1	18.37	2.2	8.5	2.0	0.4	1.5	0.2	1.6	0.3	0.9	
8-10	1.2	<1	11.7	0.07	10.7	20.61	2.8	10.3	2.9	0.5	2.1	0.4	1.9	0.3	1.1	
Depths (cm)	Metals															
	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga	In	Re	Se	Te	Tl	
0-2	0.2	0.8	0.1	1.14	9.3	16.5	0.2	2.84	0.6	4.98	0.02	<0.002	<0.3	0.55	0.09	
2-4	0.1	1.0	0.1	0.81	7.5	17.1	0.1	2.20	0.5	4.51	0.03	<0.002	<0.3	1.82	0.07	
4-6	<0.1	0.9	0.1	0.91	10.0	18.3	0.1	2.11	0.5	4.40	<0.01	<0.002	<0.3	0.41	0.09	
6-8	<0.1	0.6	<0.1	0.76	11.2	21.0	0.2	2.42	0.8	4.01	0.02	<0.002	<0.3	1.95	0.12	
8-10	0.1	1.2	0.2	1.08	11.2	29.3	0.2	2.93	0.8	4.03	0.02	<0.002	<0.3	2.97	0.11	