

Table 1 Mean concentrations (ppm) of metals in sediments of Karakum 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	0.48	50.66	16.42	62.6	76	34.1	26.7	790	5.02	16.5	1.9	<0.1	8.1	358	0.09	0.15
2-4	0.34	45.55	27.61	66.7	124	44.4	30.9	1031	5.53	14.3	1.5	<0.1	6.1	291	0.17	0.13
4-6	0.47	52.42	16.23	65.5	90	36.3	26.1	827	5.21	16.7	1.9	<0.1	8.1	359	0.10	0.13
6-8	0.44	52.33	14.95	65.8	110	41.9	28.4	842	5.39	17.5	1.8	<0.1	7.6	322	0.11	0.15
8-10	0.44	46.95	14.19	65.5	76	39.2	30.3	897	5.40	15.0	1.8	<0.1	7.1	315	0.09	0.10
Depths (cm)	Metals															
	Sb	Bi	V	Ca(%)	P(%)	La	Cr	Mg(%)	Ba	Ti(%)	Al(%)	Na (%)	K(%)	W	Zr	
0-2	0.92	0.27	251	7.47	0.079	26.8	161	3.21	335	0.480	7.76	1.522	2.53	1.6	111.2	
2-4	1.17	0.22	320	9.66	0.068	22.3	254	4.56	250	0.526	6.51	1.244	1.78	1.1	101.2	
4-6	0.98	0.26	259	7.77	0.084	26.4	178	3.45	331	0.502	8.11	1.596	2.58	1.5	117.3	
6-8	0.96	0.24	279	7.87	0.077	25.6	186	3.73	309	0.499	7.59	1.469	2.38	1.3	111.5	
8-10	0.89	0.23	288	8.55	0.069	24.5	210	4.06	297	0.490	7.21	1.406	2.28	1.4	112.9	
Depths (cm)	Metals															
	Sn	Be	Sc	S (%)	Y	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	
0-2	1.7	1	37.6	0.08	21.1	56.93	7.2	28.2	6.2	1.5	5.5	0.7	4.0	0.8	2.3	
2-4	1.9	<1	54.9	0.06	21.9	49.29	6.2	25.9	6.1	1.7	5.4	0.8	4.9	0.9	2.2	
4-6	1.9	2	42.4	0.08	21.7	54.23	6.7	27.3	5.2	1.7	5.2	0.7	4.2	0.8	2.1	
6-8	1.6	2	44.4	0.07	21.4	53.44	6.7	26.9	6.0	1.4	5.4	0.8	4.4	0.8	2.2	
8-10	1.8	2	48.3	0.07	21.9	52.57	7.0	27.7	5.8	1.5	5.2	0.8	4.2	0.8	2.3	
Depths (cm)	Metals															
	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga	In	Re	Se	Te	Tl	
0-2	0.3	1.9	0.3	3.11	21.9	73.2	0.4	6.27	1.7	14.41	0.08	0.004	<0.3	0.86	0.46	
2-4	0.4	2.0	0.3	3.08	16.4	57.6	0.3	4.80	1.4	12.77	0.07	<0.002	<0.3	0.56	0.31	
4-6	0.3	1.9	0.3	3.23	21.7	73.6	0.4	6.26	1.8	15.00	0.04	<0.002	<0.3	0.50	0.48	
6-8	0.3	2.0	0.3	3.13	20.4	69.1	0.4	5.81	1.7	14.60	0.07	<0.002	<0.3	0.64	0.43	
8-10	0.3	1.8	0.3	3.30	17.8	68.9	0.4	5.45	1.6	14.93	0.09	<0.002	<0.3	0.28	0.42	