

Петромагнитные и геохимические характеристики склоновых отложений

TiO₂, wt%

sample	1	2	3	4	9	13
2500	0.29	0.17	0.23	0.39	0.17	
500	0.28	0.14	0.19	0.32	0.13	0.12
250	0.29	0.18	0.22	0.3	0.16	0.13
140	0.29	0.23	0.25	0.33	0.21	0.17
100	0.32	0.3	0.31	0.38	0.28	0.28
63	0.36	0.41	0.4	0.46	0.33	0.36
40	0.45	0.51	0.5	0.6	0.47	0.51
20	0.61	0.54	0.59	0.66	0.65	0.58
1	0.72	0.49	0.59	0.64	0.58	0.49

Fe₂O₃, wt%

sample	1	2	3	4	9	13
2500	3.32	1.72	2.25	3.91	2.25	
500	3.21	1.5	2.05	3.21	2.02	1.92
250	3.76	1.93	2.51	2.91	2.02	1.9
140	3.6	2.1	2.69	2.8	2.08	2.02
100	3.18	2.28	2.95	2.69	2.22	2.26
63	2.95	2.4	3.12	2.61	2.33	2.46
40	2.95	2.53	3.24	2.69	2.73	2.71
20	4.26	4.78	4.4	3.61	3.77	4.42
1	8.91	6.03	6.75	7.74	5.89	5.28

MgO, wt%

sample	1	2	3	4	9	13
2500	0.51	0.18	0.24	1.09	0.25	
500	0.42	0.16	0.23	0.61	0.21	0.17
250	0.43	0.21	0.28	0.5	0.23	0.22
140	0.45	0.27	0.31	0.5	0.24	0.29
100	0.46	0.32	0.37	0.5	0.27	0.38
63	0.46	0.38	0.42	0.52	0.34	0.48
40	0.49	0.42	0.48	0.55	0.42	0.57
20	0.71	0.75		0.66	0.57	0.8
1	1.33	0.95	0.93	1.16	0.79	1.11

Al₂O₃, wt%

sample	1	2	3	4	9	13
2500	13.65	12.13	13.39	14.49	13.84	
500	13.61	10.96	12.8	13.61	12.71	13.83
250	14.39	13.36	14.58	14.11	13.65	14.06
140	14.88	13.89	15.05	14.26	14	14.28
100	14.48	14.14	15.35	14.24	14.25	14.64
63	14.46	14.24	15.39	14.14	14.49	14.94
40	14.44	14.34	15.48	14.25	14.9	15.05

20	16.52	19.05	17.8	16.04	16.8	19.95
1	27.4	22.29	22.73	25.46	22.59	21.24

SiO₂, wt%

sample	1	2	3	4	9	13
2500	75.42	78.94	76.91	72.99	75.66	
500	75.86	80.97	78.24	75.51	77.6	75.74
250	74.33	76.99	75.36	75.34	76.23	75.49
140	73.86	76	74.54	75.22	75.63	75.04
100	74.7	75.47	73.99	75.38	75.27	74.21
63	74.83	75.15	73.72	75.44	74.9	73.51
40	74.66	74.8	73.43	75.05	73.9	72.91
20	71.82	67.79	70.12	72.62	71.36	68.07
1	56.71	63.17	62.91	59.77	64.4	61.17

Na₂O, wt%

sample	1	2	3	4	9	13
2500	3.12	2.8	3.06	3.28	3.61	3.49
500	2.73	2.72	2.71	2.9	3.39	3.49
250	2.93	3.32	3.16	3.19	3.69	3.54
140	3.07	3.38	3.26	3.28	3.77	3.62
100	3.14	3.37	3.16	3.37	3.7	3.63
63	3.31	3.41	3.16	3.44	3.73	3.66
40	3.36	3.44	3.15	3.47	3.75	3.7
20	2.82	2.57	2.75	3.13	3.34	2.5
1	1.06	2.1	1.97	1.51	2.47	3.01

K₂O, wt%

sample	1	2	3	4	9	13
2500	3.26	3.74	3.6	3.02	3.73	
500	3.52	3.26	3.51	3.31	3.49	3.93
250	3.49	3.63	3.59	3.17	3.53	3.84
140	3.44	3.67	3.57	3.11	3.53	3.67
100	3.21	3.53	3.42	2.83	3.39	3.43
63	2.96	3.23	3.25	2.68	3.19	3.27
40	2.88	3.08	3.06	2.57	3.03	3
20	2.66	3.27	3.03	2.5	2.68	2.22
1	3.4	3.54	3.42	3.1	2.51	2.79

CaO, wt%

sample	1	2	3	4	9	13
2500	0.25	0.17	0.16	0.58	0.33	
500	0.19	0.16	0.13	0.33	0.28	0.59
250	0.19	0.23	0.15	0.3	0.34	0.63
140	0.21	0.3	0.18	0.35	0.38	0.73
100	0.37	0.45	0.28	0.48	0.47	0.95
63	0.53	0.62	0.37	0.58	0.55	1.11
40	0.62	0.7	0.48	0.69	0.64	1.3

20	0.44	0.91	0.4	0.61	0.615	1.29
1	0.22	1.04	0.29	0.36	0.49	
						3.96
LOI, %						
sample	1	2	3	4	9	13
2500	1.9	1.24	1.63	1.8	1.4	
500	2.27	1	2.03	2.29	1.15	2.27
250	2.61	1.69	2.8	2.81	1.49	2.28
140	2.92	1.96	2.56	2.37	1.7	2.27
100	2.75	2.3	3.42	2.8	2.06	2.87
63	2.75	2.47	3.38	2.66	2.33	3.18
40	2.5	2.63	3.57	2.67	2.44	3.4
20	5.29	11.35	6.9	6.35	6.04	8.82
1	12.76	14.46	11.1	14.67	15.98	8.82
Rb, ppm						
sample	1	2	3	4	9	13
2500	105	115	118	98	121	
500	108	102	114	109	113	122
250	106	118	117	104	114	119
140	111	118	116	104	116	111
100	106	118	119	102	116	108
63	95	112	115	96	112	102
40	97	111	114	96	106	99
20	101	146	124	98	98	80
1	152	174	155	150	88	85
Sr, ppm						
sample	1	2	3	4	9	13
2500	106	73	85	148	99	
500	86	70	73	111	84	97
250	92	95	81	112	95	104
140	99	100	84	122	95	106
100	112	113	97	136	111	123
63	124	126	109	145	125	133
40	131	140	119	155	133	150
20	108	102	103	133	125	125
1	60	88	73	76	72	124
Zr, ppm						
sample	1	2	3	4	9	13
2500	150	141	176	158	136	
500	155	115	145	158	116	126
250	139	139	143	144	131	123
140	146	162	155	143	154	111
100	146	218	211	195	328	153
63	171	361	353	265	409	204
40	272	796	504	486	498	371

20	218	211	369	280	355	201
1	199	167	181	197	148	153

Nb, ppm

sample	1	2	3	4	9	13
2500	11	15	12	10	12	
500	10	12	12	12	11	11
250	10	16	10	10	11	13
140	11	13	10	11	12	10
100	11	13	13	13	15	14
63	13	13	13	13	16	12
40	14	17	15	16	16	17
20	14	13	16	15	18	16
1	14	13	14	13	12	11

Y, ppm

sample	1	2	3	4	9	13
2500	24	28	32	24	29	
500	24	21	26	27	25	27
250	22	29	26	26	27	27
140	23	25	24	25	26	25
100	22	28	27	28	32	30
63	24	26	30	24	32	29
40	25	32	30	30	33	34
20	27	36	33	32	40	40
1	32	39	39	52	53	53

Cr, wt%

sample	1	2	3	4	9	13
2500	0.001	0.004	0.001	0.003	0.003	
500	0.004	0.002	0.001	0.002	0.007	0.002
250	0.002	0.003	0.002	0.002	0.005	0.002
140	0.007	0.002	0.002	0.001	0.004	0.001
100	0.002	0.001	0.002	0.003	0.003	0.002
63	0.003	0.001	0.003	0.003	0.004	0.001
40	0.006	0.003	0.004	0.002	0.005	0.002
20	0.01	0.001	0.005	0.002	0.006	0.002
1	0.019	0.002	0.001	0.004	0.004	0.002

Ni, wt%

sample	1	2	3	4	9	13
2500	0.001	0.002	0.001	0.002	0.002	
500	0.004	0.001	0.002	0.001	0.002	0.001
250	0.002	0.001	0.001	0.001	0.002	0.001
140	0.002	0.001	0.002	0.002	0.001	0.001
100	0.002	0.001	0.002	0.002	0.002	0.001
63	0.002	0.001	0.001	0.002	0.001	0.002
40	0.002	0.001	0.002	0.002	0.002	0.002
20	0.002	0.002	0.002	0.002	0.003	0.003

1	0.004	0.003	0.003	0.003	0.004	0.003
---	-------	-------	-------	-------	-------	-------

MB/MB1

sample	1	2	3	4	9	13
2500	100	100	100	100	100	100
500	106.521	76.73863	62.40828	114.4595	99.69823	100
250	103.708	89.99061	80.92222	109.3144	82.43629	79.0694
140	101.011	107.0569	99.42072	119.0343	90.85037	75.6201
100	101.156	130.9412	129.1728	129.6794	108.8879	86.3349
63	106.338	211.7501	186.8	146.0525	111.8137	101.336
40	134.203	297.2353	263.4355	211.2913	156.7768	151.901
20	140.18	189.8114	256.73	214.09	202.05	147.732
1	118.022	137.068	152.3442	134.9005	85.2677	50.3244

MSp, m3/kg

sample	1	2	3	4	9	13
2500	0.00688	0.004129	0.005714	0.006601	0.008141	
500	0.00656	0.003896	0.004481	0.007345	0.006845	0.00686
250	0.00699	0.004489	0.005466	0.006247	0.006645	0.00655
140	0.00647	0.004453	0.005851	0.0062	0.006751	0.00543
100	0.00594	0.004957	0.005776	0.00621	0.006218	0.00583
63	0.00607	0.00554	0.006979	0.005893	0.006281	0.00692
40	0.00587	0.006046	0.0069	0.006397	0.007401	0.00695
20	0.00935	0.009696	0.009502	0.009584	0.008504	0.01085
1	0.01523	0.011943	0.011806	0.014525	0.011158	0.01094

Bc, mT

sample	1	2	3	4	9	13
2500	18.1326	16.24654	11.66796	27.47907	19.16765	
500	17.2359	25.92178	13.93096	24.90301	17.60302	13.8137
250	16.6305	16.63259	12.23636	18.29708	18.12555	13.21
140	14.5088	15.13703	11.20742	15.75474	16.62481	12.6081
100	15.7921	13.16646	11.54589	13.92121	13.44628	10.124
63	12.6886	12.14455	10.14628	12.18822	11.64387	7.74003
40	11.1258	8.708138	8.793882	9.437035	9.281936	5.46118
20	11.21	11.71816	9.19	10.34	9.12	7.10642
1	13.6516	14.42186	12.5415	13.98745	17.8218	9.1419

Bcr, mT

sample	1	2	3	4	9	13
2500	59.1106	41.77705	49.39741	53.96164	56.45803	
500	63.6971	59.52344	47.44781	70.15098	52.34604	40.5757
250	53.2683	49.82995	45.78253	63.7779	57.00268	40.0516
140	51.8464	49.47818	43.30102	60.33724	55.46677	39.8333
100	49.1614	47.53774	45.19672	54.36211	52.49055	36.6935
63	46.7431	44.64733	41.6467	49.53912	49.08449	32.8823

40	41.0218	38.48413	38.51772	42.66128	43.74388	27.1169
20	39.28	40.63308	37.43	40.71	39.18	30.8469
1	36.6406	41.99277	39.28192	43.83459	49.34608	35.4009

Is, Am2/kg

sample	1	2	3	4	9	13
2500	0.03069	0.05906	0.008427	0.004978	0.130988	0.15449
500	0.01452	0.01061	0.010897	0.014871	0.11136	0.15449
250	0.01472	0.019108	0.016694	0.013587	0.087971	0.11337
140	0.017	0.022091	0.021625	0.0159	0.098306	0.11155
100	0.01684	0.029454	0.031976	0.017162	0.110882	0.11798
63	0.01628	0.035633	0.044065	0.021102	0.112045	0.13172
40	0.02286	0.073838	0.067782	0.029149	0.142786	0.19369
20	0.0187	0.034687	0.0599	0.0263	0.1784	0.18476
1	0.00798	0.018296	0.025253	0.007359	0.075057	0.05522

Jrs, Am2/kg

sample	1	2	3	4	9	13
2500	0.00612	0.010248	0.001146	0.001789	0.023532	
500	0.00295	0.003089	0.002055	0.004057	0.018566	0.02396
250	0.00284	0.003673	0.002771	0.002718	0.016111	0.01808
140	0.00277	0.003906	0.003169	0.00279	0.016111	0.01681
100	0.00284	0.004659	0.00461	0.002875	0.01546	0.01521
63	0.00284	0.00532	0.005944	0.003033	0.014769	0.01436
40	0.00322	0.008349	0.007835	0.00371	0.016407	0.01637
20	0.00295	0.005418	0.00716	0.003412	0.02006	0.01732
1	0.0017	0.004055	0.004816	0.001925	0.016271	0.00738