

SUPPLEMENTARY TABLE 10. COMPOSITIONS OF BASE-METAL SULFIDES
IN THE PERCHATKA COMPLEX, KOLA PENINSULA

#	Sample	Ni	Cu	Fe	Co	S	Total
1	PRCH-1 Pn	27.09		0.06	38.27	1.02	33.55
2	PRCH-1 Pn	27.37		0.13	37.77	1.04	33.57
3	PRCH-1 Pn	26.76		0.03	38.50	0.79	33.57
4	PRCH-1 Pn	26.45		0.00	39.02	0.79	33.53
5	PRCH-1 Pn	27.03		0.12	38.07	1.02	33.57
6	PRCH-1 Mixture	12.13		3.54	48.52	0.39	35.44
7	PRCH-2 Ccp	0.00		34.30	30.56	0.00	34.40
8	PRCH-2 Ccp	0.03		33.97	30.62	0.01	35.08
9	PRCH-2 Pn	35.45		0.00	28.99	1.97	33.49
10	PRCH-2 Pyh	0.89		0.05	58.49	0.00	40.14
11	PRCH-2 Ccp	0.00		33.96	30.72	0.00	35.11
12	PRCH-3 Ccp	0.00		34.30	30.56	0.00	34.40
13	PRCH-3 Ccp	0.03		33.97	30.62	0.01	35.08
14	PRCH-3 Ccp	0.00		33.96	30.72	0.00	35.11
15	PRCH-3 Pn	35.45		0.00	28.99	1.97	33.49
16	PRCH-3 Pyh	0.89		0.05	58.49	0.00	40.14
17	PRCH-6 Pn	37.69		0.02	26.46	0.56	32.92
18	PRCH-6 Pn	37.67		0.06	26.42	0.59	33.00
19	PRCH-7 Mixture	0.39		48.46	21.08	0.06	29.43
20	PRCH-7 Mixture	0.30		48.43	21.08	0.06	29.46
21	PRCH-11 Pn	27.89		0.03	36.55	0.99	33.58
22	PRCH-11 Pn	27.56		0.22	36.37	1.23	33.49
23	PRCH-11 Pn	26.88		0.01	36.57	1.21	33.39
24	PRCH-11 Pn	27.00		0.02	36.53	1.21	33.68

Results of WDS EMP analyses are expressed in weight %. The base-metal sulfides are: pentlandite (Pn: #1 – 5, 9, 15, 17, 18, and 21 – 24), chalcopyrite (Ccp: #7, 8, 11 – 14), and pyrrhotite (Pyh: #10, 16). Numbers 6, 19, and 20 represent mixtures of different species present in tiny and composite grains.