Table A1. Modal compositions of samples.

Outcrop	1	1	1	1	1	2	2	2	2	2
Sample	NK11	NK12	NK13	NK14	NK15	NK21	NK22	NK23	NK24	NK25
Lithology	UPS	UPS	UPS	BPS	CAS	UPS	UPS	UPS	BPS	CAS
CM (vol%)	8.5	7.1	5.8			9.3	8.4	4.5		
Chl	14.9	10.5	6.5	7.4	11.6	10.6	9.9	10.1	17.5	6.4
Ms	13.8	30.9	26.0	17.6		26.3	30.1	32.6	4.3	
Ab	36.6	15.9	21.6	42.6	2.6	15.3	16.5	18.0	68.4	0.4
Qtz	18.4	32.7	38.0	28.7		36.5	31.3	33.4	7.5	
Cal	6.0									
Ttn	1.5	1.1	1.3	2.0	1.0	1.6	2.0	1.2	2.3	0.8
Grt		1.2				0.4	0.4	0.2		
Ep	0.3	0.6	0.8	1.7			1.4			
Act					84.8					92.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

UPS = unaltered pelitic schist, BPS = bleached pelitic schist, CAS = chlorite–actinolite schist, Ab = albite, Act = actinolite, Cal = calcite, Chl = chlorite, CM = carbonaceous material, Ep = epidote, Grt = garnet, Ms = muscovite, Qtz = quartz, Ttn = titanite.

Table A2. Whole-rock compositions of samples.

Outcrop	1	1	1	1	1	2	2	2	2	2
Sample	NK11	NK12	NK13	NK14	NK15	NK21	NK22	NK23	NK24	NK25
Lithology	UPS	UPS	UPS	BPS	CAS	UPS	UPS	UPS	BPS	CAS
SiO_2 (wt%)	75.34	72.25	75.39	70.23	51.54	66.76	69.09	70.42	61.76	51.98
TiO_2	0.39	0.51	0.39	0.53	0.24	0.61	0.56	0.53	0.66	0.33
Al_2O_3	12.71	13.71	12.84	14.31	4.99	14.95	14.59	13.92	17.29	5.33
Fe_2O_3*	2.61	3.48	2.26	3.56	8.66	5.24	4.51	4.22	3.26	8.83
MnO	0.03	0.06	0.03	0.04	0.16	0.08	0.11	0.09	0.04	0.16
MgO	1.12	1.50	1.06	1.81	19.68	3.15	2.02	2.10	4.41	19.00
CaO	0.45	0.62	0.50	0.88	9.36	0.55	0.66	0.48	0.67	8.58
Na_2O	2.95	2.25	3.19	4.18	0.97	1.76	2.76	2.16	7.89	0.93
K_2O	2.40	3.02	2.39	2.23	0.06	3.52	2.99	3.27	0.25	0.09
P_2O_5	0.07	0.10	0.09	0.11	0.25	0.07	0.09	0.10	0.11	0.11
H_2O	1.85	2.17	1.52	1.88	3.46	3.35	2.37	2.47	2.39	3.78
C	0.12	0.25	0.14	0.01	0.01	0.42	0.46	0.46	0.02	0.01
Total	100.04	99.92	99.80	99.77	99.38	100.46	100.21	100.22	98.75	99.13
Sc (ppm)	8	9	8	12	16	12	12	10	12	11
V	69	90	62	94	121	101	95	91	90	119
Cr	52	62	61	96	1216	125	68	68	84	1309
Ni	23	22	12	44	1153	69	11	14	72	1211
Cu	15	27	11	52	8	27	20	12	37	15
Zn	46	67	43	61	71	90	73	69	35	75
Rb	89	115	84	57	<1	115	97	98	6	<1
Sr	59	82	69	114	12	48	67	41	58	9
Y	18	22	18	24	13	24	22	21	25	10
Zr	132	146	124	149	45	153	147	131	158	62
Nb	7	9	7	9	<2	11	10	9	11	<2
Ba	400	506	413	387	12	539	459	487	49	18
La	21	24	20	22	<6	25	21	20	27	<6
Ce	49	50	47	50	8	63	52	56	60	<5
Nd	18	21	19	22	<5	22	17	18	25	<5
Pb	12	18	15	9	5	17	18	14	9	7

UPS = unaltered pelitic schist, BPS = bleached pelitic schist, CAS = chlorite–actinolite schist, Fe_2O_3* = total iron as Fe_2O_3.