

## APPENDIX 1

### Average modal composition of the deposits from the Rača and Krynica units (in %)

Rača Unit																			
Flysch facies																			
	Qm	Qp	Sil	Plg	Kfs	Ls	Lc	Lm	Lv	Ms	Bt	Zrn	Rt	Tur	Chl	Fos	Gl	Mx	Cm
BZK-171a (1)	32.2	13.9	4.1	2.4	2.8	3.3	4.9	3.9	2.8	4.1	0.6	0.8	0.4	0.4	1.2	2.4	1.2	5.9	12.8
BZK-171b (1)	46.1	7.2	1.6	2.5	2.3	0.8	4.7	1.0	0.8	7.2	0.6	0.8	0.6	0.2	3.9	2.3	1.9	6.8	8.6
BZK-171c (1)	27.6	12.7	3.4	2.7	2.0	1.2	5.4	2.9	0.7	3.4	1.0	1.2	0.2	0.0	0.7	2.4	0.7	17.1	14.4
BZK-208d (2)	36.1	7.4	4.0	2.6	1.8	1.2	12.4	2.4	1.2	0.8	2.0	0.6	0.4	0.0	1.6	3.6	1.6	1.2	19.0
BZK-321a (3)	41.4	11.2	2.3	4.6	3.4	2.3	7.2	2.7	1.3	2.9	2.9	0.4	0.2	0.4	1.3	2.1	0.4	9.5	3.6
BZK-321b (3)	41.6	5.7	1.0	1.2	0.4	0.4	7.1	0.8	0.4	6.3	3.0	0.8	0.2	0.2	1.6	2.2	0.6	4.9	21.7
BZK-321c (3)	45.3	8.7	3.5	3.8	3.3	1.4	7.7	3.3	1.6	1.6	2.1	0.7	0.0	0.2	1.9	4.5	0.9	6.1	3.3
BZK-321d (3)	32.2	4.6	4.1	2.5	1.7	1.7	5.6	1.7	0.6	6.2	6.8	0.0	0.2	0.2	1.2	4.1	1.9	4.1	20.5
BZK-1399a (4)	36.8	4.7	4.2	0.9	0.6	0.2	2.1	0.9	0.6	5.7	6.3	1.1	0.6	0.9	1.5	3.8	1.3	4.2	23.5
BZK-1441a (5)	12.6	41.6	4.5	4.1	3.3	1.9	7.8	4.8	2.6	1.1	0.0	0.0	0.0	0.0	0.0	2.2	0.0	1.9	11.5
BZK-1979c (6)	43.1	11.5	3.1	2.5	1.4	0.6	7.2	2.3	0.6	5.2	4.1	0.6	0.2	0.6	0.8	4.1	0.8	4.1	7.0
BZKo-6 (7)	40.4	5.4	7.0	2.8	1.6	1.2	4.0	2.3	0.9	5.2	2.3	0.9	0.0	0.7	0.7	1.2	0.5	3.5	19.2
BZB-92 (8)	44.4	8.0	5.3	2.0	1.8	0.9	6.2	2.7	0.7	2.7	1.8	0.9	0.2	0.7	1.3	3.1	1.3	4.4	11.6
BZB-266 (9)	51.4	3.8	1.3	2.6	2.0	1.0	1.8	0.8	0.5	4.1	1.3	0.3	0.3	0.5	0.7	2.3	9.7	13.5	2.1
BZB-277B (10)	47.5	5.5	2.3	1.3	0.3	0.8	4.5	2.0	0.8	7.3	1.5	0.3	0.3	1.8	1.3	1.8	1.3	7.5	12.3
Menilite facies																			
BZK-364d (11)	40.9	11.5	2.6	4.3	3.8	3.0	4.9	3.2	1.1	1.7	5.1	0.6	0.4	0.2	0.9	0.9	0.4	4.1	10.4
BZK-744b (12)	47.9	8.8	4.3	4.1	3.0	0.9	5.2	1.1	0.9	3.7	2.1	0.7	0.2	0.6	1.3	1.1	0.7	8.2	4.9
Sandstone-conglomerate facies																			
BZK-323a (13)	16.4	20.6	2.6	3.7	3.2	2.6	6.3	2.6	2.1	3.7	1.1	0.5	0.0	0.0	1.1	2.1	0.5	21.2	9.5
BZK-323b (13)	21.5	35.1	2.1	3.3	3.3	6.2	0.8	3.3	1.7	1.7	0.4	0.0	0.0	0.0	0.8	0.0	0.0	18.6	1.2
BZB-594 (15)	23.5	25.6	5.9	1.8	0.6	5.9	4.1	1.8	0.9	1.5	0.3	0.3	0.0	0.0	0.0	7.4	0.0	13.2	7.4
Krynica Unit																			
Flysch facies																			
BZG-118 (16)	55.8	3.2	2.5	2.9	2.0	0.5	4.7	0.7	0.5	2.9	3.7	0.5	0.0	0.0	0.7	0.5	0.0	4.9	14.0
BZG-404 (17)	36.8	4.5	4.8	2.3	0.6	0.6	3.2	1.3	0.6	3.9	3.2	0.3	0.3	0.0	0.6	6.5	1.0	1.6	27.7
BZG-407 (18)	52.1	14.2	1.3	5.9	3.5	2.0	5.4	2.4	1.7	2.2	0.7	0.4	0.0	0.2	0.9	0.0	0.0	4.8	2.4
BZG-1024 (19)	43.2	1.4	2.7	2.1	1.1	0.4	3.0	0.7	0.5	6.8	9.8	0.4	0.2	0.0	8.0	0.0	0.5	6.2	13.0
Menilite facies																			
BZG-232 (20)	26.7	4.2	13.6	0.5	0.2	1.5	5.9	1.0	0.7	3.7	1.5	0.7	0.2	0.2	0.2	2.0	0.0	7.4	29.5
Sandstone-conglomerate facies																			
BZKo-765 (14)	45.4	8.2	1.7	9.0	4.5	2.7	6.0	5.2	1.7	3.0	3.2	0.5	0.0	0.5	0.5	0.0	0.0	5.7	2.0
BZKo-765a (14)	29.9	7.3	2.1	6.1	3.8	1.2	4.5	1.6	1.4	4.7	3.3	1.9	0.2	0.7	1.2	0.0	12.9	1.2	16.0
BZKo-765d (14)	36.0	10.1	2.6	7.3	4.9	1.3	3.4	3.4	1.8	5.2	7.8	1.0	0.0	0.8	1.3	0.0	0.8	6.5	6.0
BZKo-765e (14)	29.4	8.8	2.1	7.2	5.3	0.5	5.8	3.4	1.9	5.6	5.0	0.5	0.5	0.3	1.3	0.5	0.8	0.0	21.0
BZKo-765g (14)	43.5	4.1	1.7	4.4	2.4	0.7	4.8	1.7	1.4	6.1	9.5	0.7	0.3	0.0	1.0	0.0	0.7	6.8	10.2
BZKo-765h (14)	48.5	4.6	2.0	3.3	2.2	0.4	0.9	0.2	0.0	8.8	11.7	0.7	0.0	0.0	2.6	0.0	0.9	5.9	7.3
BZKo-765i (14)	32.6	37.0	1.5	1.5	2.2	2.6	4.4	1.9	1.1	2.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	9.3	1.9

Qm – monocristalline quartz, Qp – polycristalline quartz, Sil – silicic rock fragments, Plg – plagioclase, Kfs – potassium feldspars, Ls – debris of sedimentary rocks, Lc – debris of carbonate rocks, Lm – debris of metamorphic rocks, Lv - debris of volcanic and magmatic rocks, Ms – muscovite, Bt – biotite, Zrn – zircon, Rt – rutile, Tur – tourmaline, Chl – chlorite, Fos – fossils, Gl – glauconite, Mx – matrix, Cm – cement