

APPENDIX 3

Overview of the bulk-rock chemical composition of the potential source localities

Method	Locality	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	P ₂ O ₅	TiO ₂	Cr ₂ O ₃	MnO	LOI	Sum	Ni	Zr	Sr
		%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
ICP	Tapadla 1	41.24	1.20	8.16	36.30	0.03	0.00	0.01	0.02	0.00	0.46	0.07	11.60	99.40	1883	5	2
	Tapadla 2	42.67	0.65	6.26	37.24	0.03	0.00	0.00	0.01	0.00	0.34	0.08	11.90	99.40	2020	1	1
	Tapadla 3	41.94	0.76	8.40	36.11	0.04	0.00	0.00	0.00	0.00	0.35	0.06	11.50	99.40	2048	1	1
	Jańska Góra	40.99	0.67	10.10	35.43	0.05	0.00	0.02	0.02	0.00	0.40	0.06	11.40	99.40	2279	3	2
	Gogołów	40.43	1.07	8.30	37.08	0.02	0.00	0.00	0.00	0.00	0.21	0.08	11.90	99.40	2201	1	1
	Wiry	38.48	0.60	7.16	36.93	0.49	0.00	0.00	0.00	0.00	0.27	0.13	15.00	99.40	2144	1	2
	Braszowice	41.41	1.40	7.78	42.12	0.13	0.00	0.00	0.01	0.01	0.52	0.11	5.50	99.30	2324	1	3
	Brzeznica	40.91	1.36	9.28	35.61	0.17	0.00	0.00	0.01	0.02	0.42	0.11	11.30	99.40	1853	1	2
	Szklary	45.18	0.92	8.65	37.48	1.48	0.01	0.01	0.00	0.00	0.39	0.11	4.80	99.40	2192	1	8
	Louznice	37.65	5.04	16.14	25.04	3.67	0.06	0.04	0.14	1.12	0.21	0.18	10.10	99.50	1278	54	129
	Bernstein 1	40.28	1.34	9.35	34.37	0.07	0.00	0.00	0.02	0.04	0.34	0.09	13.20	99.40	2380	5	3
	Bernstein 2	32.96	6.71	17.14	26.83	1.03	0.03	0.03	0.05	3.85	0.19	0.48	10.00	99.50	815	68	5
	Černín	39.24	0.76	7.77	34.97	0.77	0.01	0.01	0.03	0.02	0.35	0.08	15.10	99.40	2255	3	14
	XRF	Tapadla 3	42.54	1.49	5.19	39.42	0.00	0.00	0.00	0.00	0.00	0.26	0.00		88.9	1976	0
Jańska Góra		40.09	0.88	5.95	33.53	0.03	0.00	0.00	0.00	0.00	0.00	0.00		80.5	2135	0	0
Gogołów-Jordanów		37.88	2.44	8.12	36.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00		84.6	2361	0	0
Jordanów		32.23	1.19	7.36	34.10	0.00	0.00	0.00	0.00	0.00	0.15	0.00		75.0	1746	0	0
Wiry		34.88	1.06	6.92	44.25	0.30	0.00	0.00	0.00	0.00	0.16	0.09		87.6	1954	0	0
Śleza		40.58	0.00	4.15	8.05	1.49	0.00	0.00	0.00	0.00	0.00	0.00		54.3	1832	0	0
Brzeznica		31.82	2.32	8.03	30.56	0.00	0.00	0.00	0.00	0.00	0.09	0.00		72.8	3181	0	0
Braszowice		40.39	0.98	6.91	38.67	1.55	0.00	0.00	0.00	0.00	0.27	0.00		88.8	1882	0	0
Sklary		41.57	2.00	6.32	38.31	1.54	0.00	0.00	0.00	0.00	0.00	0.00		89.7	1608	0	0
Loužnice		28.45	5.37	14.03	20.23	9.04	0.00	0.00	0.00	0.00	0.00	0.00		77.1	0	47	257
Loužnice-Radčice		41.40	7.84	15.19	28.08	2.77	0.00	0.00	0.18	0.00	0.00	0.00		95.5	420	29	55
Alšovice 1		36.45	8.13	15.05	26.31	2.69	0.00	0.06	0.00	0.00	0.00	0.00		88.7	732	7	41
Alšovice 2		37.42	5.82	14.37	21.79	3.09	0.00	0.00	0.46	0.00	0.00	0.25		83.2	1196	31	24
Klíčnov		34.39	5.49	13.66	24.73	2.67	0.00	0.00	0.47	0.00	0.00	0.00		81.4	596	59	24
Bernstein 2	31.21	8.48	14.19	28.42	0.83	0.00	0.00	0.00	3.65	0.00	0.00		86.8	243	52	0	
Hrubšice	35.38	1.62	7.82	37.18	0.80	0.00	0.02	0.00	0.00	0.10	0.00		82.9	2037	0	0	
Literature	Biskoupky	38.60	1.12	11.83	36.81	0.00	0.95	0.65	0.00	0.00	0.00	0.00	10.58	100.7	3457	0	0
	Biskoupky	37.96	0.80	9.19	37.61	1.34	0.45	0.33	0.00	0.00	0.00	0.00	12.27	100.0	2829	0	0
	Biskoupky	39.28	1.45	10.84	34.38	3.49	0.71	0.29	0.00	0.00	0.45	0.01	9.67	100.4	2279	0	0
	Rouchovany	40.77	4.68	7.43	34.49	1.68	0.18	0.06	0.00	0.03	0.31	0.11	10.21	13.2	1886	0	0
	Rouchovany	35.28	1.77	13.04	31.65	4.36	1.07	0.47	0.00	0.00	0.00	0.00	99.91	100.9	2043	0	0
	Hrotovice	39.68	4.17	11.30	29.23	4.22	2.08	0.49	0.00	0.00	0.47	0.00	8.75	100.2	943	0	0
XRF (Tools of Group 1)	Zdětín	41.75	3.96	7.59	31.55	0.78	0.00	0.17	0.42	0.05	0.29	0.07		86.6	1751	0	7
	Syrovce	34.26	3.84	6.25	28.44	8.25	0.00	0.09	0.10	0.08	0.20	0.10		81.6	1207	0	1
	Prostějov	39.04	3.31	7.10	34.25	1.76	0.00	0.11	1.46	0.02	0.20	0.57		87.8	1785	0	20
	Prusinovice (no. 47)	36.74	3.01	6.56	34.25	1.47	0.00	0.15	0.14	0.00	0.16	0.06		82.5	1672	0	5
	Prusinovice (no. 48)	44.02	3.45	7.28	33.01	5.00	0.00	0.11	0.27	0.00	0.09	0.08		93.3	1224	0	10
	Prusinovice (no. 178)	40.83	3.17	6.12	38.36	0.39	0.00	0.31	0.15	0.00	0.30	0.00		89.6	1626	0	0
	Dřevohostice	46.84	3.59	6.27	42.75	0.06	0.00	0.15	0.08	0.95	0.31	0.02		101.0	1989	1	0
	Blazice	42.77	4.79	7.42	40.25	0.54	0.00	0.16	0.53	0.00	0.15	0.00		96.6	733	0	0
	Kostelec u Holešova	41.27	5.33	10.18	38.70	0.12	0.00	0.17	0.12	0.00	0.00	0.00		95.9	1525	0	0
	Zlobice	35.63	2.88	6.81	33.12	0.63	0.00	0.19	0.58	0.00	0.11	0.00		79.9	1408	0	0
XRF (Tools of Group 2)	Velešovice	40.17	4.45	7.64	35.32	0.34	0.00	0.02	0.00	0.00	0.00	0.00		88.0	1659	0	0
	Boškůvky	40.69	5.20	8.47	36.76	2.10	0.00	0.14	0.25	0.00	0.13	0.00		93.7	684	0	4