

APPENDIX 1

Results of OSL dating in the closed depressions studied

Laboratory code	Profile	Depth [m]	Material	40K [Bq/kg]	226Ra [Bq/kg]	228 Th [Bq/kg]	Dose rate DR [Gy/kyr]	Equivalent dose DE [Gy]	Age OSL [kyr] before today
LUB 6155	Jastków	0.87	colluvia	446 ± 8	24.19 ± 1.72	27.18 ± 0.72	9.07 ± 0.24	9.07 ± 0.24	3.69 ± 0.26
LUB 6300		0.95	colluvia	416 ± 8	18.0 ± 1.8	29.5 ± 1.0	11.66 ± 0.31	11.66 ± 0.31	5.25 ± 0.43
LUB 6302		2.4	loess	409 ± 7	11.4 ± 2.0	29.3 ± 1.0	37.20 ± 1.02	37.20 ± 1.02	17.6 ± 1.8
LUB 6303		4.2	loess	386 ± 6	17.6 ± 1.6	25.5 ± 0.9	36.66 ± 1.07	36.66 ± 1.07	18.1 ± 1.5
LUB 6160		4.5	loess	477 ± 5	25.96 ± 1.41	29.32 ± 0.83	42.54 ± 0.95	42.54 ± 0.95	19.0 ± 1.1
LUB 6232	Tomaszowice	0.25	colluvia	309 ± 7	18.6 ± 0.8	20.2 ± 0.8	1.70 ± 0.10	5.24 ± 0.13	3.70 ± 0.24
LUB 6231		0.4	colluvia	370 ± 8	15.2 ± 0.9	25.2 ± 0.7	1.96 ± 0.11	8.97 ± 0.22	5.49 ± 0.34
LUB 6230		0.5	colluvia	413 ± 7	18.7 ± 0.7	26.0 ± 0.8	2.11 ± 0.11	15.4 ± 0.4	7.29 ± 0.42
LUB 6229		0.7	colluvia	435 ± 9	19.2 ± 1.0	26.4 ± 0.9	2.23 ± 0.12	29.2 ± 0.7	13.1 ± 0.8