

APPENDIX 1

Results of chemical, micromorphological and physical analysis of selected samples of the Nahirne profile

Sample no.	CaCO ₃ [%]	Organic matter [%]	Microforms			Particle size distribution (%)					Mean grain size Mz [μm]	Standard deviation σ
			Clay coatings and infillings	Calcite concentrations	Fe-Mn nodules	Clay [< 5 μm]	Fine silt [5-63 μm]	Medium silt [5-63 μm]	Coarse silt [5-63 μm]	Sand [>63 μm]		
N1/7	0.9	7.3				10.7	13.8	25.8	35.2	14.5	30.8	1.5
N1/6	1.5	2.7										
N1/5	6.5	3.9										
N1/4	4.3	1.1										
N1/3	4.6	2.5										
N1/2	3.1	2.4										
N1/1	4.8	3.0				8.9	11.3	20.5	32.5	26.8	38.0	1.6
N2/2	1.3	3.9				9.3	13.9	26.0	34.1	16.7	31.5	1.5
N2/4	1.2	3.1				9.4	12.3	21.2	27.7	29.4	36.7	1.8
N2/8	6.7	0.7				9.9	10.1	22.8	39.5	17.8	35.4	1.5
N3/1	2.1	3.7		+++	++	16.4	19.0	23.6	23.8	17.2	24.6	2.0
N3/2	8.2	3.8				12.5	11.7	16.5	25.0	34.3	40.4	2.1
N3/3	1.1	3.2		++	++	10.0	11.4	17.6	24.6	36.4	42.1	1.9
N3/4	1.3	2.9	++	++++	+	9.0	13.0	22.9	27.5	27.7	34.9	1.7
N3/5	1.9	3.2		+++	++	8.0	11.3	20.4	26.7	33.6	40.1	1.7
N3/7	0.8	2.3		+++	+++	11.5	13.2	19.4	25.1	30.8	36.3	1.9
N3/8	1.5	2.2		++++	+++	21.5	19.5	21.9	27.1	10.0	21.9	1.9
N3/9	1.2	2.4				12.9	15.8	21.8	25.3	24.2	30.6	1.9
N3/10	10.8	2.9		++++	++	16.4	21.1	26.3	27.9	8.3	22.6	1.7