

Appendix B. Results of soil analyses.

n.d.: no data.

Profile	Horizons	Depth (cm)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	pH	Org. C (g/Kg)	Org. Matter (g/Kg)	N tot (g/Kg)	C/N	TOC (%)	Hydrogen Index	Oxygen Index	I Index	R Index	Delta I
01	O	0-4	0.3	n.d.	n.d.	n.d.	5.1	88.0	151.8	6.8	12.9	10.79	292	165	0.2431	0.5200	0.0032
	A1	4-10	0.1	5.3	64.6	30.0	4.6	26.4	45.5	2.4	11.0	3.39	201	210	-0.0337	0.6840	0.0202
	A2	10-31	0.7	6.4	57.2	35.7	4.8	27.3	47.0	1.7	16.1	2.42	153	242	-0.2019	0.7614	-0.0095
	BC	31-35	2.1	13.1	54.0	30.8	4.9	20.1	34.7	1.8	11.2	1.69	129	268	-0.2193	0.7782	0.0033
	2AB1	35-44	0.1	3.5	52.4	44.0	4.8	33.1	57.0	2.0	16.6	3.02	236	203	-0.1546	0.7164	-0.0427
	2AB2	44-65	0.1	4.1	44.9	50.9	4.9	32.9	56.6	2.2	15.0	2.45	150	337	-0.1850	0.7468	-0.0187
	2Bw	65-80	1.7	8.8	59.0	30.5	5.0	8.4	14.4	1.2	7.0	0.93	83	445	-0.1477	0.8035	0.1200
	2Bt	80-100	3.5	9.7	60.3	26.5	5.1	5.4	9.3	0.8	6.8	0.61	62	484	-0.0152	0.7957	0.2387
	2BC1	100-120	4.4	20.4	54.2	21.0	5.1	4.1	7.1	0.6	6.8	0.08	320	2621	0.0542	0.7965	0.3096
	2BC2	120-140+	4.1	17.6	55.8	22.5	5.1	2.4	4.1	0.6	4.0	0.33	50	507	0.1958	0.7603	0.3862
02	OB	0-20	0.4	5.6	55.2	38.8	4.7	14.7	25.3	1.4	10.5	1.77	118	294	-0.2456	0.8008	0.0174
	ABt1	20-60	1.2	13.6	59.0	26.2	4.9	5.9	10.1	0.9	6.6	0.62	75	425	-0.0047	0.7848	0.2296
	ABt2	60-75	1.6	15.1	56.7	26.6	4.9	4.6	7.9	0.7	6.6	0.37	63	500	0.1924	0.7441	0.3538
	BC	75-95	3.3	14.3	57.7	24.7	5.0	2.5	4.4	0.7	3.6	0.34	66	500	0.2910	0.7028	0.3785
	2AB	95-121	3.3	22.3	51.2	23.2	5.1	3.4	5.9	0.6	5.7	0.26	63	544	0.3511	0.6927	0.4205
	2Btg	121-151	2.5	10.1	61.6	25.8	5.2	1.5	2.6	0.7	2.1	0.23	68	553	0.3927	0.6757	0.4316
	3AB	151-176+	2.6	12.0	62.0	23.4	5.4	3.2	5.5	0.6	5.3	0.22	70	529	0.4209	0.6650	0.4408
03	OA	0-8	1.7	5.3	56.1	36.9	4.6	18.2	31.4	1.5	12.1	1.86	151	249	-0.1880	0.7609	0.0035

	OB	8-22	0.1	4.0	45.0	50.9	4.4	24.4	42.1	1.8	13.6	2.38	177	264	-0.1141	0.7089	-0.0157
	BC	22-44+	0.3	15.6	50.2	33.9	4.5	10.4	18.0	1.2	8.7	0.88	84	503	-0.0632	0.7845	0.1705
04	O	0-6	1.3	n.d.	n.d.	n.d.	5.6	104.6	180.3	6.9	15.2	12.77	271	173	0.2231	0.5318	0.0043
	OA	6-12	0.5	3.2	54.5	41.8	4.9	25.7	44.4	1.9	13.5	2.47	140	269	-0.1474	0.7456	0.0167
	AB	12-27	0.2	8.7	55.2	35.9	4.9	10.5	18.1	1.0	10.5	0.92	88	412	-0.0631	0.7752	0.1540
	Btg	27-54	0.9	11.4	58.0	29.7	5.1	5.8	9.9	0.8	7.3	0.43	80	587	0.1532	0.7446	0.3155
	Bt	54-80+	0.6	14.1	54.5	30.8	5.1	4.6	7.9	1.0	4.6	0.43	79	540	0.1658	0.7381	0.3165
05	O	0-3	0.3	n.d.	n.d.	n.d.	5.2	126.3	217.8	5.3	23.8	10.28	293	155	0.2188	0.5363	0.0080
	A	3-12	1.0	10.5	57.8	30.7	4.0	13.4	23.1	1.5	8.9	1.38	119	291	-0.2103	0.7933	0.0392
	ABt1	12-28	0.7	5.3	55.8	38.2	4.8	18.6	32.1	1.7	10.9	1.73	154	254	-0.1919	0.7648	0.0067
	ABt2	28-56+	0.1	5.2	46.2	48.5	4.4	19.4	33.5	1.8	10.8	2.13	150	313	-0.1972	0.7736	0.0171
06	O	0-6	0.7	n.d.	n.d.	n.d.	5.3	93.7	161.6	7.0	13.4	13.22	291	153	0.2442	0.5198	0.0040
	OA	6-12	1.7	9.2	50.8	38.3	4.7	38.1	65.8	1.8	21.2	3.30	216	195	-0.2002	0.7566	-0.0163
	2AB1	12-19	0.0	4.0	44.0	52.0	4.9	30.6	52.8	2.2	13.9	3.32	199	232	-0.1670	0.7317	-0.0279
	2AB2	19-36	0.1	5.2	45.7	49.0	5.0	24.2	41.7	1.9	12.7	2.47	173	277	-0.1807	0.7480	-0.0123
	2Bw1	36-54	0.3	11.2	51.6	36.9	4.7	11.1	19.1	1.4	7.9	1.38	110	324	-0.1707	0.7884	0.0701
	2Bw2	54-63	1.0	13	56.3	29.7	4.8	7.3	12.7	1.3	5.6	0.73	89	402	0.0043	0.7665	0.2059
	2Bw3	63-71	0.2	14.6	56.8	28.4	4.7	2.8	4.9	1.0	2.8	0.34	76	585	0.2242	0.7269	0.3549
	3AB	71-89+	0.9	13.1	57.3	28.7	4.8	5.9	10.2	0.8	7.4	0.30	60	519	0.3177	0.7018	0.4035