

Appendix A. Field description of investigated soil profiles.

Profile	Depth (cm)	Horizon	Soil moisture	Munsell Colour (dry)	Munsell Colour (wet)	Structure/ Aggregation	Root size/ frequency	Boundary
01	0-4	O	Dry	10 YR 3/2	10 YR 2/1	Granular	Medium/ Few	Abrupt/ Smooth
	4-10	A1	Dry	2.5 Y 5/4	2.5 Y 4/4	Granular	Medium/ Few	Abrupt/ Smooth
	10-31	A2	Dry	2.5 Y 5/4	10 YR 3/4	Granular	Fine/ Few	Abrupt/ Smooth
	31-35	BC	Dry	2.5 Y 5/4	10 YR 3/6	Sub. Blocky	Fine to medium/ Few	Abrupt/ Smooth
	35-44	2AB1	Moist	2.5 Y 6/4	10 YR 5/4	Sub. Blocky	Fine/ Very few	Clear/ Smooth
	44-65	2AB2	Moist	10 YR 6/4	10 YR 5/4	Sub. Blocky	Medium/ Few	Clear/ Smooth
	65-80	2Bw	Moist	2.5 Y 6/4	10 YR 3/6	Sub. Blocky	Coarse/ Very few	Abrupt/ Smooth
	80-100	2Bt	Moist	2.5 Y 5/4	2.5 Y 4/4	Sub. Blocky	Fine/ Very few	Clear/ Smooth
	100-120	2BC1	Moist	2.5 Y 6/4	2.5 Y 4/4	Sub. Blocky	Fine/ Very few	Clear/ Smooth
	120-140+	2BC2	Moist	10 YR 7/2	2.5 Y 4/4	Ang. Blocky	Very fine to fine/ Very few	Not reached
02	0-20	OB	Dry	10 YR 7/4	10 YR 5/4	Ang. Blocky	Very fine to coarse/ Few	Clear/ Smooth
	20-60	ABt1	Dry	2.5 Y 6/4	2.5 Y 5/4	Ang. Blocky	Fine to coarse/ Common	Clear/ Smooth
	60-75	ABt2	Dry	2.5 Y 6/4	2.5 Y 5/4	Ang. Blocky	Very fine to fine/ Very few	Clear/ Smooth
	75-95	BC	Moist	10 YR 8/2	2.5 Y 5/4	Ang. Blocky	Very fine to fine/ Very few	Gradual/ Smooth
	95-121	2AB	Moist	2.5 Y 7/4	2.5 Y 5/4	Ang. Blocky	Very fine to medium/ Very few	Gradual/ Smooth
	121-151	2Btg	Moist	2.5 Y 7/4	2.5 Y 5/4	Ang. Blocky	Very fine/ Very few	Gradual/ Smooth
	151-176+	3AB	Moist	2.5 Y 6/4	2.5 Y 4/4	Ang. Blocky	None	Not reached
03	0-8	OA	Moist	2.5 Y 6/4	2.5 Y 5/4	Granular	Fine to medium/ Few	Abrupt/ Smooth
	8-22	OB	Moist	10 YR 7/4	10 YR 5/4	Sub. Blocky	Very fine to medium/ Few	Clear/ Smooth
	22-44+	BC	Moist	2.5 Y 6/4	10 YR 5/4	Sub. Prismatic	Very fine to fine/ Very few	Not reached
04	0-6	O	Moist	10 YR 3/2	10 YR 2/2	Granular	Very fine to very coarse/ Many	Abrupt/ Smooth
	6-12	OA	Moist	10 YR 7/4	10 YR 5/4	Granular	Very fine to coarse/ Few	Clear/ Smooth
	12-27	AB	Moist	2.5 Y 7/4	2.5 Y 5/4	Sub. Blocky	Very fine to very coarse/ Few	Gradual/ Smooth
	27-54	Btg	Moist	2.5 Y 6/4	2.5 Y 5/4	Sub. Blocky	Very fine to coarse/ Few	Gradual/ Smooth
	54-80+	Bt	Moist	2.5 Y 7/4	2.5 Y 4/4	Sub. Blocky	Fine to very coarse/ Very few	Not reached
05	0-3	O	Dry	10 YR 5/2	10 YR 3/1	Granular	Very fine to medium/Common	Abrupt/ Smooth
	3-12	A	Moist	10 YR 7/3	10 YR 5/4	Single grain	Very fine to fine/ Very few	Abrupt/ Smooth

	12-28	ABt1	Moist	10 YR 7/4	2.5 Y 5/4	Sub. Blocky	Very fine to medium/Common	Clear/Smooth
	28-56+	ABt2	Moist	10 YR 7/4	10 YR 5/4	Sub. Blocky	Very fine to medium/ Few	Not reached
06	0-6	O	Dry	2.5 Y 4/2	2.5 Y 3/2	Single grain	Very fine to very coarse/ Common	Abrupt/Smooth
	6-12	OA	Moist	2.5 Y 6/2	2.5 Y 4/4	Single grain	Very fine to coarse/ Few	Clear/Smooth
	12-19	2AB1	Moist	10 YR 6/4	10 YR 4/6	Granular	Very fine to coarse/ Very few	Clear/Smooth
	19-36	2AB2	Moist	2.5 Y 6/4	10 YR 4/6	Ang. Blocky	Very fine to coarse/ Few	Abrupt/Wavy
	36-54	2Bw1	Moist	10 YR 7/4	10 YR 5/4	Ang. Blocky	Very fine to very coarse/ Very few	Clear/Smooth
	54-63	2Bw2	Moist	10 YR 7/3	10 YR 5/4	Ang. Blocky	Very fine to coarse/ Very few	Clear/Smooth
	63-71	2Bw3	Moist	2.5 Y 6/4	2.5 Y 4/4	Ang. Blocky	Very fine to fine/ Very few	Clear/Smooth
	71-89+	3AB	Moist	10 YR 6/3	10 YR 5/4	Ang. Blocky	Very fine to fine/ Very few	Not reached