

Appendix C. Soils Data from Composite Cores

Table C1. Composite core soils data.

Site	Soil Type	Depth (cm)	% Sand	% Silt	% Clay	Textural Class	D ₅₀	σ
EL1	Comus - Coarse-loamy, mixed, active, mesic Fluventic Dystrudepts	0-105	77.3	16.8	5.9	LS	0.148	5.17
EL2	Comus - Coarse-loamy, mixed, active, mesic Fluventic Dystrudepts	0-105	83.3	16.0	0.7	LS	0.152	4.51
EL3	Comus - Coarse-loamy, mixed, active, mesic Fluventic Dystrudepts	0-105	81.6	18.0	0.4	LS	0.16	2.92
EL4	Comus - Coarse-loamy, mixed, active, mesic Fluventic Dystrudepts	0-105	81.4	13.5	5.1	LS	0.155	2.73
NR1	Ross - Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls	0-75	59.0	29.6	11.4	SL	0.1	13.27
NR1		75-90	61.0	26.4	12.6	SL	0.122	14.28
NR2	Ross - Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls	0-105	57.3	30.4	12.3	SL	0.079	13.75
SC1	not mapped	0-82	58.4	28.2	13.4	SL	0.078	12.06
SC1		82-105	46.9	30.6	22.5	L	0.038	10.49
SC2	not mapped	0-75	55.1	33.6	11.3	SL	0.067	11.81
SC2		75-90	58.2	24.2	17.7	SL	0.067	11.98
SC2		90-105	63.4	22.6	14.0	SL	0.116	14.54
SC3	Chagrin variant - sandy, mixed, mesic, Cumulic Haplumbrepts	0-105	56.6	34.3	9.1	SL	0.068	12.1
SC4	Chagrin - Fine-loamy, mixed, active, mesic Dystric Fluventic Eutrudepts	0-75	74.6	19.3	6.1	SL	0.17	4.4
SC4		75-90	70.2	22.1	7.7	SL	0.134	5.31
SC4		90-105	70.5	24.1	5.4	SL	0.138	5.89
SC5	Chagrin - Fine-loamy, mixed, active, mesic Dystric Fluventic Eutrudepts	0-45	67.2	31.0	1.8	SL	0.137	6.45
SC5		45-105	48.2	43.8	8.0	L	0.045	7.1
SC6	Chagrin - Fine-loamy, mixed, active, mesic Dystric Fluventic Eutrudepts	0-82	68.7	24.4	6.9	SL	0.127	6.32
SC6		82-105	64.7	23.6	11.8	SL	0.13	11.58
SC7	Chagrin - Fine-loamy, mixed, active, mesic Dystric Fluventic Eutrudepts	0-105	54.2	39.2	6.6	SL	0.067	11.98
SR1	Ross - Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls	0-75	64.7	32.9	2.4	SL	0.119	5.22
SR1		75-105	58.1	33.1	8.8	SL	0.071	7.46
SR3	Ross - Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls	0-90	83.0	16.8	0.2	LS	0.258	3.04
SR3		90-105	76.5	19.2	4.4	LS	0.22	5.38
SR4	Ross - Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls	0-90	56.0	34.4	9.6	SL	0.069	5.84
ST1	McGary - Fine, mixed, active, mesic Aeric Epiaqualfs	0-45	29.5	54.4	16.1	SIL	0.015	14.63
ST1		45-60	35.3	35.9	28.8	CL	0.012	9.19

Table C1, cont. Composite core soils data.

Site	Soil Type	Depth (cm)	% Sand	% Silt	% Clay	Textural Class	D ₅₀	σ
ST1		60-105	38.2	30.2	31.6	CL	0.014	11.36
ST2	McGary - Fine, mixed, active, mesic Aeric Epiaqualfs	0-30	46.8	42.1	11.0	L	0.041	7.24
ST2		30-45	47.0	38.3	14.7	L	0.042	12.04
ST2		45-75	37.9	37.1	24.9	L	0.017	11
ST2		45-90	41.7	36.8	21.5	L	0.029	10.89
ST3	McGary - Fine, mixed, active, mesic Aeric Epiaqualfs	0-60	38.6	51.2	10.3	SIL	0.017	11.9
ST3		60-105	35.1	46.6	18.4	L	0.028	9.08
ST4	McGary - Fine, mixed, active, mesic Aeric Epiaqualfs	0-30	58.0	34.1	7.9	SL	0.077	6.37
ST4		30-45	52.3	47.6	0.1	SL	0.059	6.93
ST4		45-75	55.5	35.9	8.7	SL	0.058	6.49
ST4		75-105	63.5	26.0	10.5	SL	0.078	14.93
TC1	Weaver - Fine-loamy, mixed, active, mesic Fluvaquentic Eutrudepts	0-105	42.4	51.0	6.6	SIL	0.038	6.57
TC2	Weaver - Fine-loamy, mixed, active, mesic Fluvaquentic Eutrudepts	0-45	67.4	24.9	7.6	SL	0.149	6.94
TC2		45-60	66.4	26.0	7.6	SL	0.154	7.01
TC2		60-75	69.6	24.0	6.3	SL	0.179	6.84
TC4	Weaver - Fine-loamy, mixed, active, mesic Fluvaquentic Eutrudepts	0-60	58.7	34.0	7.3	SL	0.073	7.17
TC4	Weaver - Fine-loamy, mixed, active, mesic Fluvaquentic Eutrudepts	60-105	60.2	33.1	6.8	SL	0.112	6.15
TC6	Ross - Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls	0-105	59.7	34.0	6.3	SL	0.07	5.29
TC7	Ross - Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls	0-105	37.8	53.9	8.3	SIL	0.03	9.19

Appendix D. Root Length Density and Root Volume Ratio

Table D1. Root length density.

Site	Depth Increment (cm)	Very Fine Roots (cm/cm ³)	Fine Roots (cm/cm ³)	Small Roots (cm/cm ³)	Medium Roots (cm/cm ³)	Large Roots (cm/cm ³)	Total RLD (cm/cm ³)
EL1	0-15	6.3308	2.2504	0.0594	0	0	8.6406
EL1	15-30	2.3134	1.0159	0.0355	0	0	3.3647
EL1	30-45	0.9828	0.3056	0.0036	0.0104	0	1.3025
EL1	45-60	0.8996	0.4626	0.0502	0	0	1.4124
EL1	60-75	0.4534	0.2199	0.0013	0	0	0.6747
EL1	75-90	0.3103	0.2583	0.0143	0.0153	0	0.5981
EL1	90-105	0.5098	0.3204	0.0188	0	0	0.849
EL2	0-15	3.5984	1.0796	0.0489	0	0	4.7269
EL2	15-30	3.1307	0.8554	0.0404	0	0	4.0266
EL2	30-45	1.0241	0.1793	0.0036	0	0	1.2071
EL2	45-60	1.265	0.3255	0.0062	0.0043	0	1.601
EL2	60-75	0.5883	0.0747	0.0007	0	0	0.6637
EL2	75-90	0.3486	0.1066	0.0046	0	0	0.4598
EL2	90-105	0.4553	0.0314	0	0	0	0.4867
EL3	0-15	2.7309	1.1751	0.0227	0	0	3.9286
EL3	15-30	1.6851	0.995	0.1217	0.0379	0.0019	2.8416
EL3	30-45	0.8065	0.5088	0.0891	0.0077	0	1.412
EL3	45-60	0.6801	0.373	0.0315	0.0071	0.0076	1.0993
EL3	60-75	0.4252	0.509	0.0075	0.0026	0	0.9443
EL3	75-90	0.4644	0.3438	0.0426	0.0116	0	0.8625
EL3	90-105	0.2375	0.447	0.0199	0.0058	0.0059	0.7162
EL4	0-15	6.1225	2.7057	0.1921	0.007	0	9.0272
EL4	15-30	2.4947	0.7234	0.0219	0	0	3.2401
EL4	30-45	0.8035	0.3708	0	0	0	1.1743
EL4	45-60	0.8055	0.2641	0.0102	0	0	1.0798
EL4	60-75	0.584	0.2688	0.031	0.0024	0.0092	0.8953
EL4	75-90	0.3601	0.1524	0.0016	0.0054	0	0.5194
EL4	90-105	0.3533	0.1601	0	0	0	0.5134
NR1	0-15	0.5568	1.3762	0.1742	0.0157	0.0024	2.1253
NR1	15-30	0.231	0.8264	0.113	0.0346	0.0039	1.2089
NR1	30-45	0.1856	0.5384	0.151	0.0163	0	0.8913
NR1	45-60	0.0649	0.2305	0.0769	0.0093	0.0207	0.4023
NR1	60-75	0.2009	0.4965	0.0994	0.009	0.022	0.8278
NR1	75-90	0.2519	0.5762	0.0584	0.0054	0.004	0.8958
NR1	90-105	0.2714	0.451	0.0124	0.0037	0	0.7385
NR2	0-15	3.2015	0.9624	0.068	0.0029	0	4.2348
NR2	15-30	0.9744	0.4215	0.0301	0	0	1.426
NR2	30-45	0.5877	0.286	0.017	0	0	0.8907
NR2	45-60	0.2347	0.2224	0.0424	0	0	0.4995

Table D1, cont. Root length density.

Site	Depth Increment (cm)	Very Fine Roots (cm/cm ³)	Fine Roots (cm/cm ³)	Small Roots (cm/cm ³)	Medium Roots (cm/cm ³)	Large Roots (cm/cm ³)	Total RLD (cm/cm ³)
NR2	60-75	0.1704	0.1467	0.0064	0	0	0.3234
NR2	75-90	0.0711	0.0489	0.0125	0	0	0.1325
NR2	90-105	0.1645	0.1856	0.0095	0	0	0.3596
SC1	0-15	10.6841	5.0347	0.206	0.0317	0.0206	15.9772
SC1	15-30	2.727	1.1002	0.0378	0	0	3.865
SC1	30-45	1.1647	0.684	0.0423	0.0171	0.0082	1.9163
SC1	45-60	0.5573	0.4206	0.0163	0	0	0.9943
SC1	60-75	0.4178	0.3858	0	0	0	0.8037
SC1	75-90	0.4926	0.4066	0.0078	0	0	0.907
SC1	90-105	0.4523	0.2014	0.0102	0	0	0.6639
SC2	0-15	7.8343	2.9173	0.1199	0.0116	0.0056	10.8887
SC2	15-30	1.7094	0.6111	0.0412	0.0001	0	2.3618
SC2	30-45	0.7827	0.579	0.0056	0	0	1.3673
SC2	45-60	0.4008	0.2692	0	0	0	0.67
SC2	60-75	0.4673	0.4158	0.0209	0.0002	0	0.9042
SC2	75-90	0.2487	0.2477	0.0183	0	0	0.5147
SC2	90-105	0.4153	0.4029	0.0279	0.0073	0.0088	0.8622
SC3	0-15	1.4501	1.8885	0.2105	0.0146	0	3.5638
SC3	15-30	0.2537	0.5242	0.0425	0.0272	0	0.8476
SC3	30-45	0.0896	0.32	0.0489	0.0215	0.0144	0.4945
SC3	45-60	0.1383	0.4477	0.0267	0.05	0.019	0.6817
SC3	60-75	0.1131	0.4147	0.0612	0.0437	0	0.6328
SC3	75-90	0.1911	0.6193	0.0374	0.005	0.0094	0.8622
SC3	90-105	0.1669	0.4849	0.0424	0.0008	0	0.695
SC4	0-15	3.6732	2.8446	0.0764	0.0001	0	6.5942
SC4	15-30	0.6155	0.8138	0.1441	0.0375	0.0115	1.6224
SC4	30-45	0.4414	0.4582	0.1317	0.0064	0	1.0378
SC4	45-60	0.2805	0.4745	0.0534	0.023	0	0.8314
SC4	60-75	0.231	0.4766	0.0097	0	0	0.7173
SC4	75-90	0.0818	0.0903	0.0055	0	0	0.1775
SC4	90-105	0.3732	0.1092	0.0014	0	0	0.4838
SC5	0-15	1.2932	1.4779	0.0748	0.0031	0	2.849
SC5	15-30	0.1977	0.457	0.0914	0.0247	0	0.7708
SC5	30-45	0.1801	0.5927	0.1383	0.0217	0	0.9329
SC5	45-60	0.1751	0.7026	0.0964	0.0113	0.0064	0.9918
SC5	60-75	0.2957	0.565	0.0564	0	0.0131	0.9303
SC5	75-90	0.184	0.3629	0.0332	0	0	0.58
SC5	90-105	0.2605	0.3174	0.0146	0	0	0.5926
SC6	0-15	2.3613	0.9078	0.0808	0	0	3.3498

Table D1, cont. Root length density.

Site	Depth Increment (cm)	Very Fine Roots (cm/cm ³)	Fine Roots (cm/cm ³)	Small Roots (cm/cm ³)	Medium Roots (cm/cm ³)	Large Roots (cm/cm ³)	Total RLD (cm/cm ³)
SC6	15-30	0.8356	0.2682	0.0397	0	0	1.1435
SC6	30-45	0.3881	0.0737	0.003	0	0	0.4649
SC6	45-60	0.4238	0.1645	0.0003	0	0	0.5886
SC6	60-75	0.3533	0.0737	0.0056	0	0	0.4327
SC6	75-90	0.2682	0.0974	0.0004	0	0	0.366
SC6	90-105	0.0772	0.0331	0	0	0	0.1102
SC7	0-15	0.6563	0.9899	0.0523	0	0	1.6985
SC7	15-30	0.2786	0.4765	0.0534	0.0175	0.0075	0.8335
SC7	30-45	0.1587	0.3734	0.0197	0.0145	0	0.5663
SC7	45-60	0.0663	0.3646	0.0624	0.0093	0	0.5026
SC7	60-75	0.0566	0.1116	0.0207	0	0	0.1889
SC7	75-90	0.1019	0.1908	0.0193	0	0	0.312
SC7	90-105	0.1304	0.2364	0.0771	0	0	0.4439
SR1	0-15	1.6219	2.3692	0.0963	0.0002	0	4.0875
SR1	15-30	0.5111	1.1012	0.0678	0	0	1.6802
SR1	30-45	0.4199	1.0101	0.0819	0.0198	0	1.5317
SR1	45-60	0.223	0.5703	0.047	0.0066	0.0042	0.8511
SR1	60-75	0.2693	0.613	0.0813	0.0099	0.0144	0.9879
SR1	75-90	0.1026	0.3747	0.0685	0	0	0.5458
SR1	90-105	0.1123	0.3417	0.0489	0.0148	0	0.5177
SR3	0-15	0.7972	0.758	0.0408	0.0091	0	1.6051
SR3	15-30	0.5077	0.5749	0.0379	0.0073	0	1.1279
SR3	30-45	0.3523	0.5896	0.0576	0.0166	0	1.0161
SR3	45-60	0.5295	0.7185	0.0948	0.0207	0	1.3635
SR3	60-75	0.4418	0.5709	0.0323	0.0022	0.0125	1.0598
SR3	75-90	0.3054	0.4492	0.0316	0.002	0	0.7882
SR3	90-105	0.167	0.3115	0.0223	0	0	0.5008
SR4	0-15	0.6429	0.6534	0.0378	0.0007	0	1.3349
SR4	15-30	0.5947	0.6907	0.0508	0.0055	0	1.3418
SR4	30-45	0.3881	0.3629	0.0435	0.0212	0.0109	0.8267
SR4	45-60	0.2997	0.3444	0.0512	0	0	0.6953
SR4	60-75	0.0867	0.1127	0.0272	0	0.0108	0.2374
SR4	75-90	0.2295	0.3116	0.0349	0.0058	0.0087	0.5904
ST1	0-15	1.6319	1.0932	0.051	0.0036	0	2.7798
ST1	15-30	0.359	0.5667	0.0189	0	0	0.9446
ST1	30-45	0.1747	0.2167	0.0227	0	0	0.4141
ST1	45-60	0.1562	0.187	0.0022	0	0	0.3454
ST1	60-75	0.0811	0.2383	0.0364	0.0068	0.0075	0.3702
ST1	75-90	0.0423	0.2205	0.0054	0	0	0.2681

Table D1, cont. Root length density.

Site	Depth Increment (cm)	Very Fine Roots (cm/cm ³)	Fine Roots (cm/cm ³)	Small Roots (cm/cm ³)	Medium Roots (cm/cm ³)	Large Roots (cm/cm ³)	Total RLD (cm/cm ³)
ST1	90-105	0.0278	0.0156	0.0006	0	0	0.0441
ST2	0-15	1.1808	2.0943	0.0218	0	0	3.2968
ST2	15-30	0.4861	0.8673	0.035	0.0176	0.0082	1.4143
ST2	30-45	0.6916	1.5921	0.0767	0.0166	0.0093	2.3864
ST2	45-60	0.2129	0.5957	0.0407	0	0	0.8494
ST2	60-75	0.1666	0.2271	0.0053	0	0	0.3991
ST2	75-90	0.0591	0.0728	0	0	0	0.132
ST3	0-15	8.3915	4.536	0.1413	0.0023	0	13.0712
ST3	15-30	3.9015	2.1315	0.0163	0	0	6.0492
ST3	30-45	0.7956	0.3449	0.0019	0	0	1.1424
ST3	45-60	1.1592	0.349	0.0042	0	0	1.5124
ST3	60-75	0.3281	0.245	0.0203	0	0	0.5934
ST3	75-90	0.3935	0.1776	0.0583	0	0	0.6294
ST3	90-105	0.1488	0.0672	0.0081	0	0	0.2241
ST4	0-15	5.7591	2.8906	0.0254	0	0	8.6751
ST4	15-30	1.573	0.8456	0.0173	0	0	2.436
ST4	30-45	0.2819	0.2751	0	0	0	0.557
ST4	45-60	0.2704	0.1164	0	0	0	0.3868
ST4	60-75	0.1485	0.0827	0	0	0	0.2312
ST4	75-90	0.1272	0.0736	0	0	0	0.2008
ST4	90-105	0.136	0.0365	0	0	0	0.1725
TC1	0-15	1.3706	0.609	0.0243	0.0033	0	2.0072
TC1	15-30	0.5296	0.3285	0.0401	0	0	0.8982
TC1	30-45	0.4314	0.2508	0.0203	0	0	0.7026
TC1	45-60	0.1526	0.1264	0.0047	0	0	0.2836
TC1	60-75	0.154	0.1606	0.0153	0.0034	0	0.3333
TC1	75-90	0.1073	0.138	0.0128	0	0	0.2581
TC1	90-105	0.1157	0.0854	0	0	0	0.2011
TC2	0-15	0.2438	0.7973	0.0428	0.0111	0.001	1.0959
TC2	15-30	0.418	1.1607	0.1919	0.0028	0	1.7735
TC2	30-45	0.0522	0.377	0.0775	0.0003	0	0.507
TC2	45-60	0.0595	0.3108	0.0242	0.0174	0	0.4119
TC2	60-75	0.0295	0.2809	0.0378	0	0	0.3483
TC4	0-15	1.3784	2.7936	0.0962	0.0238	0.0082	4.3001
TC4	15-30	0.3538	0.6742	0.0377	0	0	1.0658
TC4	30-45	0.237	0.5441	0.0261	0	0	0.8071
TC4	45-60	0.2214	0.3575	0	0	0	0.5789
TC4	60-75	0.2268	0.4375	0.0263	0.0104	0	0.7011
TC4	75-90	0.1619	0.2702	0.0366	0	0	0.4687

Table D1, cont. Root length density.

Site	Depth Increment (cm)	Very Fine Roots (cm/cm ³)	Fine Roots (cm/cm ³)	Small Roots (cm/cm ³)	Medium Roots (cm/cm ³)	Large Roots (cm/cm ³)	Total RLD (cm/cm ³)
TC4	90-105	0.1694	0.3867	0.0034	0	0	0.5596
TC6	0-15	5.8198	2.5069	0.0678	0.0012	0.0016	8.3973
TC6	15-30	1.1696	0.8543	0.0204	0.0012	0	2.0456
TC6	30-45	0.3697	0.5387	0.0226	0	0	0.931
TC6	45-60	0.685	0.6322	0.0054	0	0	1.3226
TC6	60-75	0.4005	0.2964	0	0.0109	0	0.7078
TC6	75-90	0.5924	0.3782	0.0182	0	0	0.9888
TC6	90-105	0.4531	0.2568	0.0045	0.0374	0	0.7519
TC7	0-15	1.9121	2.6659	0.1531	0.0353	0.008	4.7744
TC7	15-30	0.1787	0.4897	0.0706	0.0176	0	0.7567
TC7	30-45	0.2001	0.4483	0.0573	0.0008	0	0.7066
TC7	45-60	0.4239	0.889	0.0499	0.0047	0	1.3675
TC7	60-75	0.8112	1.5015	0.0683	0	0	2.381
TC7	75-90	0.17	0.4066	0.061	0.0035	0.0239	0.6649
TC7	90-105	0.3074	0.6307	0.0131	0	0	0.9512

Table D2. Root volume ratio.

Site	Depth Increment (cm)	Very Fine Root Volume Ratio	Fine Root Volume Ratio	Small Root Volume Ratio	Medium Root Volume Ratio	Large Root Volume Ratio	Total Root Volume Ratio (%)
EL1	0-15	0.4249%	1.1198%	0.2883%	0.0000%	0.0000%	1.8331%
EL1	15-30	0.1569%	0.5044%	0.1878%	0.0000%	0.0000%	0.8491%
EL1	30-45	0.0562%	0.2143%	0.0181%	0.4727%	0.0000%	0.7613%
EL1	45-60	0.0598%	0.2823%	0.2173%	0.0000%	0.0000%	0.5594%
EL1	60-75	0.0318%	0.0891%	0.0054%	0.0000%	0.0000%	0.1263%
EL1	75-90	0.0276%	0.1150%	0.0726%	0.5510%	0.0000%	0.7663%
EL1	90-105	0.0348%	0.1596%	0.1589%	0.0000%	0.0000%	0.3534%
EL2	0-15	0.2018%	0.6303%	0.1601%	0.0019%	0.0000%	0.9941%
EL2	15-30	0.1882%	0.4966%	0.0789%	0.0000%	0.0000%	0.7638%
EL2	30-45	0.0622%	0.0749%	0.0156%	0.0000%	0.0000%	0.1527%
EL2	45-60	0.0758%	0.1691%	0.0840%	0.1301%	0.0000%	0.4590%
EL2	60-75	0.0344%	0.0739%	0.0000%	0.0000%	0.0000%	0.1083%
EL2	75-90	0.0241%	0.0383%	0.0326%	0.0000%	0.0000%	0.0950%
EL2	90-105	0.0282%	0.0083%	0.0000%	0.0000%	0.0000%	0.0365%
EL3	0-15	0.1719%	0.6214%	0.1087%	0.0000%	0.0000%	0.9019%
EL3	15-30	0.1273%	0.5823%	0.8655%	1.6167%	0.0867%	3.2786%
EL3	30-45	0.0462%	0.3506%	0.6484%	0.2269%	0.0000%	1.2721%
EL3	45-60	0.0418%	0.1900%	0.3536%	0.3593%	0.5673%	1.5119%
EL3	60-75	0.0279%	0.2599%	0.1081%	0.0567%	0.0000%	0.4525%
EL3	75-90	0.0337%	0.1914%	0.2875%	0.4916%	0.0000%	1.0042%
EL3	90-105	0.0221%	0.2550%	0.1229%	0.3345%	0.4366%	1.1711%
EL4	0-15	0.3946%	1.5118%	1.1957%	0.2008%	0.0000%	3.3029%
EL4	15-30	0.1266%	0.4415%	0.1268%	0.0000%	0.0000%	0.6949%
EL4	30-45	0.0669%	0.1281%	0.0039%	0.0000%	0.0000%	0.1989%
EL4	45-60	0.0486%	0.1207%	0.0475%	0.0000%	0.0000%	0.2168%
EL4	60-75	0.0368%	0.1753%	0.1313%	0.0756%	0.0000%	0.4190%
EL4	75-90	0.0254%	0.0712%	0.0170%	0.2647%	0.0000%	0.3782%
EL4	90-105	0.0291%	0.0655%	0.0004%	0.0000%	0.0000%	0.0951%
NR1	0-15	0.0510%	0.8847%	1.6321%	0.5891%	0.2160%	3.3729%
NR1	15-30	0.0186%	0.6727%	0.8814%	1.3672%	0.6406%	3.5805%
NR1	30-45	0.0123%	0.4663%	1.4074%	0.7241%	0.0000%	2.6102%
NR1	45-60	0.0091%	0.2402%	0.6992%	1.0889%	2.9561%	4.9934%
NR1	60-75	0.0149%	0.3517%	0.8678%	0.3921%	2.4379%	4.0644%
NR1	75-90	0.0233%	0.3737%	0.3083%	0.3235%	0.0054%	1.0341%
NR1	90-105	0.0247%	0.2133%	0.0512%	0.1042%	0.0000%	0.3933%
NR2	0-15	0.1770%	0.5824%	0.3340%	0.0163%	0.0000%	1.1097%
NR2	15-30	0.0568%	0.2699%	0.1849%	0.0000%	0.0000%	0.5116%
NR2	30-45	0.0357%	0.1926%	0.1639%	0.0000%	0.0000%	0.3922%

Table D2, cont. Root volume ratio.

Site	Depth Increment (cm)	Very Fine Root Volume Ratio	Fine Root Volume Ratio	Small Root Volume Ratio	Medium Root Volume Ratio	Large Root Volume Ratio	Total Root Volume Ratio (%)
NR2	45-60	0.0158%	0.1070%	0.2738%	0.0000%	0.0000%	0.3966%
NR2	60-75	0.0106%	0.1155%	0.0271%	0.0000%	0.0000%	0.1531%
NR2	75-90	0.0048%	0.0177%	0.0604%	0.0000%	0.0000%	0.0828%
NR2	90-105	0.0122%	0.1233%	0.0330%	0.0000%	0.0000%	0.1686%
SC1	0-15	0.7069%	2.6321%	1.4616%	1.1039%	3.6135%	9.5181%
SC1	15-30	0.1566%	0.5987%	0.2873%	0.0176%	0.0000%	1.0602%
SC1	30-45	0.0916%	0.3385%	0.2797%	0.8086%	1.1703%	2.6888%
SC1	45-60	0.0494%	0.1476%	0.1285%	0.0000%	0.0000%	0.3256%
SC1	60-75	0.0415%	0.1150%	0.0008%	0.0000%	0.0000%	0.1573%
SC1	70-90	0.0468%	0.1641%	0.0369%	0.0000%	0.0000%	0.2477%
SC1	90-105	0.0381%	0.0738%	0.0485%	0.0000%	0.0000%	0.1603%
SC2	0-15	0.5283%	1.4052%	0.8491%	0.3997%	1.7961%	4.9784%
SC2	15-30	0.1301%	0.2993%	0.2335%	0.0030%	0.0000%	0.6659%
SC2	30-45	0.0709%	0.2221%	0.0259%	0.0000%	0.0000%	0.3189%
SC2	45-60	0.0352%	0.1067%	0.0040%	0.0000%	0.0000%	0.1459%
SC2	60-75	0.0405%	0.1886%	0.1541%	0.4398%	3.7932%	4.6162%
SC2	75-90	0.0231%	0.1364%	0.0951%	0.0000%	0.0000%	0.2545%
SC2	90-105	0.0334%	0.2270%	0.1693%	0.2420%	1.2886%	1.9601%
SC3	0-15	0.1082%	1.1148%	1.5817%	0.3879%	0.0000%	3.1925%
SC3	15-30	0.0210%	0.3384%	0.2543%	0.6094%	0.0000%	1.2231%
SC3	30-45	0.0085%	0.1890%	0.3147%	0.9540%	1.1665%	2.6327%
SC3	45-60	0.0113%	0.4296%	0.2076%	2.6716%	1.8803%	5.2005%
SC3	60-75	0.0098%	0.2863%	0.5570%	1.5697%	0.0000%	2.4228%
SC3	75-90	0.0188%	0.3590%	0.2542%	0.1793%	2.2312%	3.0425%
SC3	90-105	0.0159%	0.1861%	0.4122%	0.0197%	0.0000%	0.6339%
SC4	0-15	0.3027%	1.3567%	0.4869%	0.0016%	0.0000%	2.1478%
SC4	15-30	0.0402%	0.6360%	1.2146%	1.5316%	1.4938%	4.9163%
SC4	30-45	0.0261%	0.4326%	0.9250%	0.1324%	0.0000%	1.5161%
SC4	45-60	0.0187%	0.4264%	0.4322%	0.8131%	0.0000%	1.6904%
SC4	60-75	0.0144%	0.4461%	0.0475%	0.0000%	0.0000%	0.5080%
SC4	75-90	0.0050%	0.0795%	0.0200%	0.0000%	0.0000%	0.1045%
SC4	90-105	0.0232%	0.0400%	0.0182%	0.0000%	0.0000%	0.0814%
SC5	0-15	0.1235%	0.9577%	0.2705%	0.0000%	0.0000%	1.3517%
SC5	15-30	0.0134%	0.3275%	0.7201%	0.7375%	0.0000%	1.7984%
SC5	30-45	0.0109%	0.4532%	0.8564%	0.5862%	0.0000%	1.9067%
SC5	45-60	0.0107%	0.6177%	0.5780%	0.2647%	1.6119%	3.0830%
SC5	60-75	0.0202%	0.3372%	0.4074%	0.0000%	3.1397%	3.9046%
SC5	75-90	0.0128%	0.2653%	0.2986%	0.0000%	0.0000%	0.5768%
SC5	90-105	0.0157%	0.1978%	0.1457%	0.0189%	0.0000%	0.3781%

Table D2, cont. Root volume ratio.

Site	Depth Increment (cm)	Very Fine Root Volume Ratio	Fine Root Volume Ratio	Small Root Volume Ratio	Medium Root Volume Ratio	Large Root Volume Ratio	Total Root Volume Ratio (%)
SC6	0-15	0.1409%	0.6079%	0.3891%	0.0012%	0.0000%	1.1390%
SC6	15-30	0.0478%	0.1829%	0.1986%	0.0000%	0.0000%	0.4293%
SC6	30-45	0.0211%	0.0561%	0.0159%	0.0378%	0.0000%	0.1310%
SC6	45-60	0.0231%	0.1072%	0.0010%	0.0000%	0.0000%	0.1312%
SC6	60-75	0.0197%	0.0530%	0.0415%	0.0340%	0.0000%	0.1482%
SC6	75-90	0.0172%	0.0356%	0.0043%	0.0000%	0.0000%	0.0571%
SC6	90-105	0.0047%	0.0131%	0.0000%	0.0000%	0.0000%	0.0178%
SC7	0-15	0.0585%	0.5161%	0.1814%	0.0000%	0.0000%	0.7560%
SC7	15-30	0.0171%	0.3399%	0.4452%	0.4349%	0.7958%	2.0329%
SC7	30-45	0.0104%	0.2724%	0.1449%	0.5295%	0.0000%	0.9572%
SC7	45-60	0.0055%	0.2858%	0.3668%	0.4029%	0.0000%	1.0611%
SC7	60-75	0.0034%	0.0734%	0.1247%	0.0000%	0.0000%	0.2015%
SC7	75-90	0.0045%	0.1541%	0.1412%	0.0000%	0.0000%	0.2998%
SC7	90-105	0.0102%	0.1629%	0.5654%	0.0000%	0.0000%	0.7385%
SR3	0-15	0.0692%	0.3854%	0.2562%	0.4248%	0.0000%	1.1355%
SR3	15-30	0.0416%	0.3775%	0.2971%	0.2511%	0.0000%	0.9673%
SR3	30-45	0.0246%	0.5451%	0.4909%	0.6007%	0.0000%	1.6613%
SR3	45-60	0.0433%	0.5249%	0.7102%	0.4782%	0.0000%	1.7566%
SR3	60-75	0.0321%	0.4626%	0.2749%	0.0820%	1.3992%	2.2508%
SR3	75-90	0.0204%	0.4062%	0.1795%	0.0000%	0.0000%	0.6061%
SR3	90-105	0.0156%	0.2378%	0.0537%	0.0000%	0.0000%	0.3072%
SR4	0-15	0.0544%	0.3584%	0.2519%	0.0211%	0.0000%	0.6859%
SR4	15-30	0.0474%	0.4344%	0.2643%	0.1632%	0.0000%	0.9093%
SR4	30-45	0.0216%	0.2470%	0.3030%	0.9076%	2.7050%	4.1842%
SR4	45-60	0.0199%	0.2088%	0.4015%	0.0000%	0.0000%	0.6302%
SR4	60-75	0.0042%	0.1037%	0.1607%	0.0303%	1.9042%	2.2031%
SR4	75-90	0.0130%	0.2407%	0.2409%	0.1437%	1.6265%	2.2648%
ST1	0-15	0.1148%	0.6681%	0.4096%	0.0332%	0.4632%	1.6889%
ST1	15-30	0.0233%	0.3751%	0.1196%	0.0000%	0.0000%	0.5179%
ST1	30-45	0.0139%	0.0896%	0.1059%	0.0000%	0.0000%	0.2094%
ST1	45-60	0.0098%	0.1212%	0.0078%	0.0000%	0.0000%	0.1388%
ST1	60-75	0.0066%	0.1532%	0.2773%	0.2826%	0.9673%	1.6871%
ST1	75-90	0.0037%	0.1319%	0.0229%	0.0000%	0.0000%	0.1586%
ST1	90-105	0.0013%	0.0050%	0.0123%	0.0000%	0.0000%	0.0185%
ST2	0-15	0.1082%	0.8539%	0.1169%	0.0000%	0.0000%	1.0790%
ST2	15-30	0.0448%	0.5454%	0.1658%	0.7592%	0.8727%	2.3879%
ST2	30-45	0.0645%	0.7932%	0.5253%	0.5854%	0.8697%	2.8382%
ST2	45-60	0.0176%	0.3886%	0.3506%	0.0000%	0.0000%	0.7569%
ST2	60-75	0.0118%	0.1211%	0.0338%	0.0000%	0.0000%	0.1666%

Table D2, cont. Root volume ratio.

Site	Depth Increment (cm)	Very Fine Root Volume Ratio	Fine Root Volume Ratio	Small Root Volume Ratio	Medium Root Volume Ratio	Large Root Volume Ratio	Total Root Volume Ratio (%)
ST2	75-90	0.0041%	0.0288%	0.0000%	0.0000%	0.0000%	0.0329%
ST3	0-15	0.6086%	2.3289%	0.8052%	0.0771%	0.0000%	3.8198%
ST3	15-30	0.3151%	1.0010%	0.0676%	0.0000%	0.0000%	1.3837%
ST3	30-45	0.0561%	0.1288%	0.0075%	0.0000%	0.0000%	0.1923%
ST3	45-60	0.0787%	0.1081%	0.0163%	0.0000%	0.0000%	0.2030%
ST3	60-75	0.0174%	0.1694%	0.1047%	0.0473%	0.0000%	0.3388%
ST3	75-90	0.0239%	0.0784%	0.3862%	0.0000%	0.0000%	0.4884%
ST3	90-105	0.0082%	0.0308%	0.0527%	0.0000%	0.0000%	0.0917%
ST4	0-15	0.4072%	1.1828%	0.1100%	0.0000%	0.0000%	1.7000%
ST4	15-30	0.1364%	0.2719%	0.0850%	0.0000%	0.0000%	0.4933%
ST4	30-45	0.0244%	0.0805%	0.0235%	0.0000%	0.0000%	0.1285%
ST4	45-60	0.0221%	0.0436%	0.0000%	0.0000%	0.0000%	0.0658%
ST4	60-75	0.0129%	0.0229%	0.0000%	0.0000%	0.0000%	0.0358%
ST4	75-90	0.0117%	0.0171%	0.0000%	0.0000%	0.0000%	0.0288%
ST4	90-105	0.0061%	0.0211%	0.0000%	0.0000%	0.0000%	0.0272%
TC1	0-15	0.1000%	0.2511%	0.0247%	0.0000%	0.0000%	0.3758%
TC1	15-30	0.0384%	0.1545%	0.3333%	0.0000%	0.0000%	0.5262%
TC1	30-45	0.0299%	0.0856%	0.1908%	0.0000%	0.0000%	0.3063%
TC1	45-60	0.0109%	0.0612%	0.0216%	0.0000%	0.0000%	0.0937%
TC1	60-75	0.0107%	0.0627%	0.1855%	0.1324%	0.0000%	0.3912%
TC1	75-90	0.0076%	0.0577%	0.0541%	0.0000%	0.0000%	0.1194%
TC1	90-105	0.0078%	0.0285%	0.0000%	0.0378%	0.0000%	0.0741%
TC2	0-15	0.0222%	0.4987%	0.3303%	0.3634%	0.0000%	1.2146%
TC2	15-30	0.0385%	0.7131%	1.3972%	0.1094%	0.0000%	2.2582%
TC2	30-45	0.0041%	0.3371%	0.5181%	0.0093%	0.0000%	0.8686%
TC2	45-60	0.0046%	0.2851%	0.1960%	0.5898%	0.0000%	1.0754%
TC2	60-75	0.0023%	0.2350%	0.2134%	0.0006%	0.0000%	0.4514%
TC4	0-15	0.1235%	1.5812%	0.6787%	0.7573%	0.8154%	3.9562%
TC4	15-30	0.0289%	0.4182%	0.2043%	0.0435%	0.0000%	0.6948%
TC4	30-45	0.0219%	0.2991%	0.1246%	0.0000%	0.0000%	0.4456%
TC4	45-60	0.0197%	0.1924%	0.0036%	0.0000%	0.0000%	0.2157%
TC4	60-75	0.0140%	0.3138%	0.1545%	0.3158%	0.0000%	0.7981%
TC4	75-90	0.0114%	0.1648%	0.1998%	0.0000%	0.0000%	0.3760%
TC4	90-105	0.0163%	0.1658%	0.0141%	0.0000%	0.0000%	0.1962%
TC6	0-15	0.4048%	1.1840%	0.4046%	0.0980%	0.1226%	2.2140%
TC6	15-30	0.0722%	0.4156%	0.3081%	0.0184%	0.0000%	0.8144%
TC6	30-45	0.0346%	0.2388%	0.1589%	0.0000%	0.0000%	0.4324%
TC6	45-60	0.0593%	0.3005%	0.0270%	0.0000%	0.0000%	0.3869%
TC6	60-75	0.0383%	0.1068%	0.0230%	0.3135%	0.0000%	0.4816%

Table D2, cont. Root volume ratio.

Site	Depth Increment (cm)	Very Fine Root Volume Ratio	Fine Root Volume Ratio	Small Root Volume Ratio	Medium Root Volume Ratio	Large Root Volume Ratio	Total Root Volume Ratio (%)
TC6	75-90	0.0545%	0.1218%	0.0690%	0.0000%	0.0000%	0.2453%
TC6	90-105	0.0422%	0.0748%	0.0617%	0.9118%	0.0000%	1.0905%
TC7	0-15	0.1663%	1.4789%	1.0007%	1.6066%	1.1336%	5.3860%
TC7	15-30	0.0160%	0.3377%	0.6137%	0.8170%	0.0073%	1.7917%
TC7	30-45	0.0181%	0.2990%	0.3235%	0.0245%	0.0000%	0.6650%
TC7	45-60	0.0376%	0.5086%	0.3402%	0.1677%	0.0000%	1.0541%
TC7	60-75	0.0783%	0.6836%	0.3693%	0.0000%	0.0000%	1.1312%
TC7	75-90	0.0149%	0.2105%	0.4503%	0.2781%	3.4944%	4.4482%
TC7	90-105	0.0291%	0.2706%	0.0641%	0.0000%	0.0000%	0.3639%