Appendix I – Analytical Data for Representative profiles.

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca m.e. %	Ca %	Mg m.e. %	Mg %	K m.e. %	K %	Na m.e. %	Na %	Total m.e. %	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	
Boort Clay: Parish of Boort, Allotment 8, Section C																								
0–4	LC	7·6	—	2	28	10	55	3·3		0·04	0·02	0·022	0·23	2·67	22·7	59	12·3	32	3·2	8	0·5	1	38·7	5541
4–6	LC	8·2	—						0·7	0·16	0·10													5542
6–16	MC	8·2	3·6	2	17	8	69	6·6	4·3	0·43	0·31				15·6	39	14·2	35	2·7	7	7·5	19	40·0	5543
16–36	MC	8·4	—	1	17	8	66	9·0	7·2	0·55	0·40													5544
36–57	MC	8·7	2·3	1	21	12	61	8·3	6·5	0·52	0·32				8·0	26	15·1	48	1·5	5	6·6	21	31·2	5545
Catumnal Loam: Parish of Boort, Allotment 4, Section G																								
0–4	L	7·7		17	49	13	17	1·2		0·03	0·02	0·027	0·13	1·66										9250
4–9	SL	7·9		21	51	16	11	0·6		0·02	0·01													9251
10–21	MC	9·4		12	30	9	48	1·6		0·07	0·03													9252
21–32	LC	9·8	4·0	13	29	9	44	7·0	5·6	0·17	0·04													9253
32–45	LC	9·9	3·1	14	32	8	35	11·2	10·2	0·17	0·05													9254
45–57	LC	9·8	12	10	26	8	35	21·1	20·5	0·20	0·07													9255
57–79	MC	9·7	7·1	4	32	14	42	10·0		0·25	0·10													9256
Catumnal Clay Loam: Parish of Boort, Allotment 6, Section G																								
0–4	L	7·4		19	48	14	17	1·1		0·03	0·02	0·013	0·11	1·64	13·7	72	4·0	21	0·8	4	0·6	3	19·1	11591
4–12	MC	8·8		11	24	8	56	2·0		0·18	0·11				9·5	26	16·8	47	1·8	5	8·0	22	36·1	11592
12–17	MC	8·8							2·3	0·61	0·38													11593
17–28	MC	8·9	7·8	7	19	8	57	11·8	9·5	0·74	0·45													11594
28–40	MC	9·5	11	9	22	8	48	14·9	13·7	0·55	0·30				8·1	27	12·8	42	1·1	4	8·1	27	30·1	11595
40–52	MC	9·6	14							0·41	0·21													11596
52–66	LC	9·6	14	14	37	10	35	5·7		0·37	0·19													11597
Catumnal Clay Loam: Parish of Marmal, Allotment 24, Section 3																								
0–5	FSCL	8·2		14	47	17	21	1·3		0·03	0·02		0·11	1·37										11598
5–16	MC	9·6		8	33	8	50	2·1		0·13	0·06													11599
Coombatook Sandy Loam: Parish of Koorangie, Allotment 7A.																								
0–4	SL	7·0		35	46	5	11	0·6		0·02	0·01		0·11	1·22										5474
5–8	LC	7·9		26	29	2	42	1·3		0·04	0·01													5475
8–12	MC	8·3		23	24	2	49	1·5		0·08	0·03													5476
12–33	MC	8·8		19	23	3	48	5·9	4·4	0·22	0·08													5477
33–45	LC	9·0		23	24	3	40	10·3		0·39	0·18													5478
45–56	LC	8·8							6·3	0·44	0·20													5479
56–72	SC	8·9		31	28	2	38	1·8		0·35	0·15													5480
Fernihurst Clay Loam: Parish of Mysia, Allotment 26C.																								
0–3	CL	7·3		3	45	18	33	0·6		0·02	0·01	0·022	0·07	0·81										5526
3–9	HC	7·9		2	20	11	66	1·6		0·09	0·05													5527
9–15	HC	8·1								0·53	0·37													5528
15–24	MC	8·5	—	1	21	10	58	10·5	7·6	**	0·33													5529
24–35	MC	8·0	—	1	21	11	56	11·6	7·3	**	0·32													5530
35–60	MC	8·7	—	1	22	14	60	5·5	3·1	0·59	0·30													5531

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca m.e. %	Ca %	Mg m.e. %	Mg %	K m.e. %	K %	Na m.e. %	Na %	Total m.e. %	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	
Fernihurst Clay Loam: Parish of Yarrowalla, Allotment 33, Section C.																								
0–1	CL	6·9		5	42	16	32			0·04	0·03		0·13	1·23										7150
1–12	HC	8·3		2	22	14	62			0·21	0·14		0·09	0·64	7·2	25	12·6	42	2·0	7	7·6	26	29·4	7151
12–18	HC	8·8		2	19	10	65	3·6	0·2	0·72	0·45													7152
18–27	HC	8·2	1·5	2	21	11	59	5·3	0·3	**	0·52				14·4	34	15·6	38	1·9	4	10·0	24	41·9	7153
27–38	MC	8·5	3·2	2	22	13	59	4·0	0·8	**	0·51													7154
38–60	MC	8·9	1·2	2	20	14	60	3·2	1·1	0·80	0·50													7155
60–72	MC	8·9	1·1	1	19	19	60	2·5		0·79	0·50													7156
Fernihurst Clay Loam: Parish of Mincha, Allotment 53.																								
0–3	CL	6·7		2	48	23	25	0·7		0·02	0·01													18159
3–14	HC	7·7		1	21	13	63	1·9		0·24	0·14													18160
14–22	MC	8·4		1	20	12	66	3·0	0·6	0·55	0·34													18161
22–30	MC	8·1	3·0	1	19	9	60	10·8	5·9	**	0·35													18162
30–56	MC	8·8	4·7	1	38	13	42	6·9	4·6	0·48	0·27													18163
56–72	LC	8·8	0·9	1	40	22	35	2·3		0·45	0·29													18164
Fernihurst Clay Loam: Parish of Talambe, Allotment 150.																								
0–3	CL	6·5		3	37	30	28	0·6		0·03	0·03		0·11	1·22										19635
3–12	HC	7·6		1	14	18	65	2·0		0·15	0·11													19636
12–21	HC	8·6		1	13	16	67	3·6	1·4	0·62	0·42													19637
21–30	HC	8·7		1	13	21	64	3·2	0·7	0·68	0·46													19638
30–48	HC	8·8		—	11	21	66	4·0	1·2	0·58	0·39													19639
48–66	HC	8·9		—	11	26	59	3·9	1·3	0·52	0·37													19640
Fernihurst Friable Clay: Parish of Yarrowalla, Allotment 33, Section C.																								
0–3	LC	8·6		4	27	30	36	4·3	2·7	0·06	0·02		0·16	1·36	23·4	66	8·6	24	2·9	8	0·4	2	35·3	7181
3–11	MC	9·0	—	1	17	9	64	8·0	5·5	0·07	0·03		0·07	0·56	16·8	51	12·9	40	1·4	4	1·6	5	32·7	7182
11–25	HC	9·1	—						5·9	0·27	0·16													7183
25–34	HC	9·2		1	15	11	64	8·9	6·7	0·42	0·28				7·9	24	15·6	47	1·6	5	8·1	24	33·2	7184
34–60	HC	9·3	0·7	1	16	12	62	8·2	5·7	0·53	0·34													7185
Janiember Clay: Parish of Talambee, Allotment 6.																								
0–3	HC	7·1		2	12	13	68	2·3		0·04	0·03		0·20	1·85										19598
3–10	HC	8·5		1	7	11	79	2·6	—	0·04	0·03													19599
10–33	HC	9·3		1	8	14	74	3·3	0·6	0·11	0·03													19600
33–41	HC	9·4		1	11	14	70	2·4	1·2	0·16	0·04													19601
41–68	HC	9·1		1	13	16	67	1·3	0·3	0·20	0·09													19602
Kerang Clay: Parish of Tragowel, Allotment 82																								
0–2	FSCL	7·1		2	48	5	43	0·6		0·02	0·01	0·025	0·11	1·17	3·3	44	2·8	37	0·7	9	0·7	10	7·5	5500
2–17	HC	7·7		1	23	16	56	1·9		0·45	0·30	0·030	0·09	0·73	6·3	23	12·7	45	0·9	3	8·0	29	27·9	5501
17–29	MC	7·2		1	15	21	58	3·0	0·1	1·24	0·91				4·0	15	13·0	48	1·0	4	8·9	33	26·9	5502
29–40	MC	7·1		—	10	26	57	4·4	0·1	**	0·81													5503
40–61	MC	7·4		1	14	26	62	4·1		**	0·79				11·9	41	12·0	41	1·0	3	4·3	15	29·2	5504
61–78	MC	7·6		1	13	13	68	4·7		**	0·93													5505

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca m.e.	Ca %	Mg m.e.	Mg %	K m.e.	K %	Na m.e.	Na %	Total m.e.	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%	m.e.	%	m.e.	%	m.e.	%	m.e.	%	m.e.	
Kerang Clay: Parish of Loddon, Allotment 20a, Section A																								
0–2	HC	7·6		3	35	12	46	1·9		0·11	0·05		0·13	1·21										7193
2–16	HC	8·4		1	19	12	68	2·1		0·32	0·22		0·10	1·21										7194
16–26	HC	7·7		1	19	12	66	2·0	—	0·81	0·46													7195
26–38	MC	7·7	—	1	22	13	56	6·4	—	**	0·55													7196
38·60	MC	8·6	—	1	31	15	50	2·9	0·3	**	0·68													7197
60–84	MC	8·7	1·0	—	23	16	58	3·7		1·06	0·80													7198
Kinypanial Clay Loam: Parish of Mysia, Allotment 82																								
0–3	CL	7·0	—*	2	41	21	34	0·6		0·02	0·01	0·030	0·11	1·04	3·3	39	3·6	43	0·9	11	0·6	7	8·4	5519
3–10	HC	7·2	—*	1	20	14	65	1·5		0·06	0·04	0·040	0·09	0·79	7·4	31	11·4	48	1·4	6	3·4	15	23·6	5520
10–16	HC	7·7								0·53	0·37													5521
16–23	MC	8·5	6·9	1	19	13	66	2·9	0·9	0·70	0·42				10·8	33	13·9	42	1·8	6	6·4	19	32·9	5522
23–31	MC	8·4	—	—	20	11	64	4·3	0·9	**	0·46													5523
31–54	LMC	8·7	—	1	24	13	60	4·4	2·2	0·72	0·43				9·1	31	12·0	41	1·9	6	6·3	22	29·3	5524
Kinypanial Clay Loam: Parish of Yarrowalla, Allotment 21, Section E																								
0–1	CL	6·9		3	38	19	36			0·08	0·05		0·14	1·37										7171
1–10	HC	7·8		1	11	14	75			0·47	0·35		0·09	0·66										7172
10–22	MC	8·8	2·8	—	9	18	68	3·9	1·3	1·06	0·74													7173
22–34	MC	8·4	5·7						1·5	**	0·86													7174
34–60	MC	8·7	11	—	11	17	67	4·8	2·0	**	0·87													7175
60–80	MC	8·7	—	—	12	18	67	3·2		1·10	0·79													7176
Kinypanial Friable Clay: Parish of Yarrowalla, Allotment 22, Section E																								
0–6	MC	8·2		1	14	16	68		0·2	0·11	0·04		0·12	0·96										7177
6–20	HC	9·2	0·7	—	9	12	73	7·1	4·2	0·38	0·22		0·06	0·33										7178
20–36	HC	9·6	2·7						4·8	0·61	0·38													7179
36–60	HC	9·6	0·6	—	10	14	71	5·3	2·5	0·69	0·44													7180
Loga Clay Loam: Parish of Janiember East, Allotment 121																								
0–3	CL	6·7		4	27	32	35	0·8		0·02	0·02		0·13	1·28										19623
3–15	HC	7·9		1	12	23	62	1·5		0·05	0·04		0·08	0·51										19624
15–27	HC	8·9		1	10	20	65	2·3	—	0·24	0·11													19625
27–40	MC	9·1		1	10	19	67	5·0	2·8	0·39	0·19													19626
40–60	MC	9·1		—	9	24	61	7·9	6·4	0·38	0·18													19627
72–80	LC	8·6		2	24	15	58	2·3	0·1	0·33	0·19													19628
Loga Clay Loam: Parish of Janiember East, Allotment 151																								
0–4	CL	6·8		4	32	31	32	1·5		0·03	0·03		0·13	1·76										19629
4–13	HC	8·0		1	17	22	59	1·5		0·08	0·05													19630
13–23	HC	8·9		—	9	25	65	1·6	0·1	0·31	0·21													19631
23–38	SiC	9·0		1	4	58	34	3·1	0·7	0·52	0·31													19632
38–48	SiC	8·8		—	9	49	40	1·7	0·1	0·35	0·28													19633
48–72	MC	8·8		1	16	19	62	2·1	0·2	0·41	0·24													19634

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca m.e.	Ca %	Mg m.e.	Mg %	K m.e.	K %	Na m.e.	Na %	Total m.e.	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	
Loga Friable Clay : Parish of Janiember East, Allotment 121																								
0–5	HC	8·6		1	10	19	66	1·9		0·04	—		0·08	0·56										19618
5–18	HC	9·0		1	8	17	69	1·9	—	0·06	—		0·06	0·31										19619
18–31	HC	9·2		1	8	16	71	4·1	1·3	0·12	0·03													19620
31–44	HC	9·3		1	9	18	68	4·5	3·7	0·23	0·10													19621
44–60	MC	9·2		1	8	20	62	6·2	5·3	0·30	0·16													19622
Lyndger Fine Sandy Loam : Parish of Boort, Allotment 2, Section A																								
0–4	FSL	6·5	7·4*	15	52	15	18	0·7		0·13	0·08		0·08	0·72										5511
4–10	MC	7·5	—*	8	27	7	57	1·5		0·17	0·11													5512
10–20	LC	8·1	—*	6	27	9	57	1·9	0·0	0·75	0·42													5513
20–30	LC	8·2	5·9	4	32	14	44	5·8	1·9	**	0·63													5514
30–42	FSC	8·7	8·1	7	43	15	34	2·5	0·9	0·76	0·49													5515
42–50	FSC	8·4	—							0·59	0·39													5516
50–66	LC	8·5		2	25	14	60	1·5		0·45	0·26													5517
Lyndger Loam : Parish of Boort, Allotment 5, Section A																								
0–3	L	6·6		4	59	21	15	0·7		0·03	0·02	0·026	0·07	1·00										13385
3–10	HC	7·5		3	29	10	57	1·5		0·08	0·04													13386
10–17	MC	8·3		2	29	10	57	1·8		0·29	0·14													13387
17–23	LMC	8·4							0·3	0·74	0·44													13388
23–31	LC	8·4	2·0	1	24	22	46	7·4	3·6	**	0·57													13389
31–41	LC	8·4	4·3						2·2	**	0·46													13390
41–56	LC	8·3		—	30	28	40	1·9	0·4	0·73	0·51													13391
56–78	LC	8·0		—	22	21	55	2·4		**														13392
Lyndger Loam : Parish of Yarrowalla, Allotment 19b, Section E																								
0–2	CL	6·3		3	44	18	31			0·05	0·03		0·15	1·28	2·9	26	5·5	50	1·7	15	1·0	9	11·1	7157
2–9	HC	8·3		1	29	16	54			0·06	0·04		0·11	0·85	5·9	26	10·9	48	1·8	8	4·2	18	22·8	7158
9–18	HC	9·1		1	21	15	64		0·1	0·33	0·20													7159
18–24	MC	9·0	1·3	1	22	16	58	3·5	0·7	**	0·39				6·2	21	13·0	43	1·5	5	9·4	31	30·1	7160
24–33	MC	8·6	10						4·5	**	0·48													7161
33–60	LC	8·7	1·0	—	17	29	51	2·7	0·2	0·79	0·51				4·8	19	12·4	47	1·1	4	7·8	30	26·1	7162
Macorna Clay : Parish of Meering, Allotment 22a																								
0–1	SCL	7·2		27	41	8	21	1·0		0·05	0·02		0·11	1·34										5487
1–12	HC	7·3		9	18	6	64	2·6		0·74	0·53		0·10	0·91										5488
12–18	HC	7·2		6	18	6	67	3·4		1·71	1·35													5489
18–28	MC	7·6		5	17	6	65	6·9	—	**	1·40													5490
28–40	MC	8·0		3	16	7	59	15·6		**	1·24													5491
40–60	MC	8·2		3	16	8	67	6·3		**	1·14													5492
Macorna Clay																								
0–1	LC	6·6		1	31	19	48	1·5		0·28	0·19													18165
1–11	MC	7·2		—	12	12	73	3·0		0·74	0·53													18166
11–22	MC	7·9		—	10	12	75	4·0	0·1	1·69	1·33													18167
22–28	LC	7·9		—	11	13	70	6·1	0·1	**	1·32													18168
28–35	LC	7·9		—	10	12	66	9·7	0·1	**	1·22													18169
35–54	LC	8·0		—	10	12	72	6·4	0·5	**	1·26													18170
54–72	MC	8·1	3·2	—	11	12	68	8·9		**	1·27													18171

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca m.e.	Ca %	Mg m.e.	Mg %	K m.e.	K %	Na m.e.	Na %	Total m.e.	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	
Marmal Loam : Parish of Marmal, Allotment 38																								
0–3	L	8·1		8	48	14	28	1·7		0·02	0·01		0·15	2·01										1335
3–5	FSL	8·1								0·91	0·01													1335
5–11	LC	8·3		8	25	9	57	1·6		0·18	0·09													1335
11–24	LC	9·1	4·8	5	20	7	57	11·9	9·7	0·44	0·26													1335
24–32	LC	9·2	5·2							0·50	0·32													1335
32–60	LC	9·2	2·3	4	24	11	52	9·8	9·5	0·54	0·33													1335
60–78	LC	9·2	5·2	6	26	10	54	6·1		0·55	0·35													1335
Marmal Clay Loam : Parish of Marmal, Allotment 41																								
0–4	CL	7·7		8	38	18	35	1·7		0·03	0·01	0·017	0·11	1·55	8·3	43	7·8	41	2·7	14	0·3	2	19·1	1168
4–9	LC	8·6		4	22	9	63	2·9		0·07	0·02	0·013												1168
9–18	LC	9·5	3·0	3	16	7	66	9·4	6·8	0·16	0·06				11·8	32	17·3	47	3·4	9	4·2	12	36·7	1168
18–33	MC	9·5	10	2	14	9	61	15·6	13·7	0·39	0·21													1168
33–54	MC	9·5	9·5	1	13	12	62	13·7	11·8	0·40	0·21				6·8	22	13·7	45	1·9	6	8·4	27	30·8	1168
54–75	MC	8·9	6·9	3	14	16	64	5·7		0·44	0·25													1169
Minmindie Clay : Parish of Boort, Allotment 5, Section F																								
0–5	LC	7·6		6	32	11	50	2·1		0·03	0·02		0·09	0·94										5547
5–12	MC	7·6		4	18	22	56			0·24	0·19													5548
12–18	MC	8·1	—	4	20	6	68	3·2	1·3	0·34	0·25													5549
18–32	MC	8·5	2·7	3	22	8	61	9·5	7·6	0·39	0·25													5550
32–45	MC	8·8	2·7	4	21	8	58	11·4	9·5	0·48	0·32													5551
45–57	LC	8·8	—	3	22	9	58	10·7		0·55	0·35													5552
Mologa Loam : Parish of Mologa, Allotment 5, Section C																								
0–5	SCL	7·0		18	45	18	18	0·5		0·02	0·02		0·08	0·72	2·9	42	2·7	39	0·8	12	0·5	7	6·9	7199
5–10	HC	8·6		8	25	12	55	0·6		0·08	0·06		0·10	0·62	6·4	27	11·5	49	1·3	5	4·3	19	23·5	7200
10–23	MC	9·3	18	14	30	13	42	2·1	0·6	0·25	0·13													7201
23–35	LC	9·1	11	16	32	18	33	1·4	0·3	0·39	0·23				3·5	20	8·7	51	0·8	5	4·1	24	17·1	7202
35–60	LC	9·0	4·2	4	17	40	38	2·1	0·6	0·53	0·35													7203
60–84	CL	8·5		1	14	43	40	1·9		0·52	0·38													7204
Mologa Loam : Parish of Pompapeil, Allotment 150A																								
0–4	L	6·2		2	39	33	23	0·6		0·20	0·04		0·11	1·20										19590
4–14	HC	7·5		1	18	16	63	1·4		0·14	0·09													19591
14–26	HC	8·5		1	16	41	41	1·7	0·1	0·47	0·31													19592
26–40	LC	9·0		1	13	32	44	10·1	8·9	0·51	0·33													19593
40–58	LC	8·9		—	11	37	51	2·7	0·7	0·51	0·34													19594
58–70	MC	8·3		1	19	19	62	2·0	—	0·49	0·33													19595
Myella Loam : Parish of Mysia, Allotment 121																								
0–2	L	7·2	1·7*	6	43	24	24	0·7		0·03	0·01		0·10	1·39										11565
2–5	CL	7·4	—*							0·03	0·01		0·06	0·67										11566
5–15	MC	7·8	—*	2	17	15	66	1·3		0·07	0·04													11567
15–23	MC	8·3		1	12	14	70	1·7		0·30	0·12													11568
23–27	MC	8·4	—						0·3	0·37	0·13													11569
27–40	MC	8·0	—	1	12	17	64	5·2	0·7	**	0·10													11570
40–52	MC	8·6	—	2	14	16	68	3·1	1·6	0·40	0·12													11571

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca		Mg		K		Na		Total	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	
Mysia Loam: Parish of Mysia, Allotment 114																								
0–3	L	6·7		4	52	18	25	0·9		0·07	0·05	0·021	0·08	1·03	4·1	42	4·1	42	0·6	7	0·9	9	9·7	5533
3–6	CL	6·4		4	48	18	29	0·6		0·05	0·04													5534
6–13	HC	6·9		2	24	12	63			0·20	0·13				6·6	28	11·3	49	1·1	5	4·1	18	23·1	5535
13–21	HC	8·2		2	24	13	62	1·7	0·4	0·35	0·20													5536
21–28	HC	8·6	—	2	26	13	60	3·1	1·2	0·38	0·19				8·6	31	12·0	44	1·3	5	5·3	20	27·1	5537
28–40	MC	8·6	2·8	2	32	12	54	2·3	0·8	0·34	0·16													5538
40–60	LC	8·8	3·0	2	31	14	51	2·1		0·34	0·17				7·1	32	9·4	42	0·8	4	5·0	22	22·3	5539
60–80	LC	8·8	3·4	2	30	16	52	2·6		0·34	0·22													5540
Terrappee Clay Loam: Parish of Terrappee, Allotment 6																								
0–3	CL	8·4	—†	10	31	5	49	5·2		0·07	0·03	0·030	0·11	0·90										9244
3–12	HC	8·9		9	24	2	60	5·6		0·08	0·02	0·023	0·07	0·56										9245
12–20	HC	9·6	2·6	9	25	3	55	11·5	9·5	0·18	0·07													9246
20–41	HC	9·8	1·2						18·9	0·29	0·15													9247
41–60	MC	9·6	2·9	6	16	2	57	17·8	16·8	0·39	0·20													9248
Terricks Sandy Loam: Parish of Terrick Terrick West, Allotment 41, Section A																								
0–3	SL	6·8	3·3‡	31	44	9	14	0·9		0·02	0·01													18151
3–8	SL	6·6	4·1‡	28	42	11	18	0·8		0·02	0·01													18152
8–12	SL	6·9	5·8‡	33	45	11	11	0·6		0·01	0·01													18153
12–16	MC	7·7	1·6‡	16	26	7	51	1·3		0·03	0·02													18154
16–24	MC	8·4	1·3‡	9	18	5	68	1·9		0·04	0·03													18155
24–36	MC	9·2	4·9	7	18	6	64	5·3	2·5	0·13	0·03													18156
36–57	LC	9·4	17	5	17	7	52	22·4	16·1	0·18	0·06													18157
57–90	LC	9·4	10	6	24	10	51	10·9		0·24	0·09													18158
Terricks Sandy Clay Loam: Parish of Terrick Terrick West, Allotment 30, Section A																								
0–4	SCL	6·7	0·9‡	25	38	13	21	0·9		0·02	0·01													18147
5–14	HC	7·8	0·3‡	12	18	6	63	1·4		0·06	0·04													18148
14–20	HC	8·8		9	18	9	64	2·1	0·1	0·20	0·13													18149
20–33	HC	9·1	3·2	10	15	6	57	12·4	11·7	0·30	0·17													18150
Towangurr Clay Loam: Parish of Talambe, Allotment 150																								
0–4	CL	6·5		3	32	26	36	0·8		0·02	0·02		0·13	1·36										19605
4–12	HC	7·8		1	18	16	63	0·7		0·04	0·03													19606
12–20	HC	8·7		1	14	17	65	1·9	0·1	0·15	0·07													19607
20–32	HC	8·9		1	13	21	63	4·3	2·8	0·45	0·29													19608
32–48	MC	8·9		1	17	21	60	1·9	0·1	0·37	0·24													19609
48–72	MC	8·6		1	17	20	60	1·7	—	0·35	0·23													19610
Tragowel Clay: Parish of Tragowel, Allotment 79																								
0–2	HC	7·8		3	12	13	69	3·1	0·1	0·05	0·02	0·029	0·14	1·11	19·0	45	18·6	44	3·6	9	0·6	2	41·8	5494
2–12	HC	7·4		1	13	14	69	3·4	0·2	0·11	0·06	0·018	0·10	0·65	16·2	41	20·8	52	1·4	4	1·3	3	39·7	5495
12–32	HC	7·7	—	1	14	13	69	2·9	0·3	0·59	0·44				12·8	32	23·1	57	1·2	3	3·2	8	40·3	5496
32–45	HC	7·8	—	1	14	14	69	3·3	0·5	0·70	0·53													5497
45–66	HC	7·8		1	13	15	69	3·3	0·4	0·99	0·83				6·6	19	21·0	62	1·4	4	5·0	15	34·0	5498
66–80	MC	7·7	8·3	1	13	17	67	2·8	0·2	1·17	0·99													5499

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca m.e. %	Ca %	Mg m.e. %	Mg %	K m.e. %	K %	Na m.e. %	Na %	Total m.e. %	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%										
Tumnal Clay Loam: Parish of Boort, Allotment 19c, Section G																								
0–4	CL	7·8		8	43	14	32	1·7		0·02	0·01		0·11	1·43										13370
6–16	HC	8·7		2	16	5	76	2·9		0·06	0·03													13371
16–24	HC	9·1	—	2	22	7	67	3·5		0·13	0·04													13372
24–37	HC	9·2	9·1	3	26	8	61	2·7	1·1	0·15	0·05													13373
37–52	MC	9·3	9·1							0·24	0·07													13374
52–75	MC	9·1	9·6	1	21	10	62	7·6	6·0	0·35	0·13													13375
Wandella Clay: Parish of Meering, Allotment																								
0–4	MC	9·6		9	25	13	47	4·4	1·9	0·20	0·06	0·022	0·08	1·49										5481
4–10	MC	9·3		9	21	11	55	5·6	3·0	0·64	0·35		0·04	0·42										5482
10–20	HC	8·3		8	20	12	52	9·3	6·2	1·19	0·78													5483
20–38	HC	8·3		6	17	11	57	8·8	6·2	1·24	0·90													5484
38–60	MC	8·3		6	15	12	59	8·4		0·90	0·58													5485
Wandella Clay—*gilgai depression*: Parish of Boort, Allotment 31, Section G																								
1–5	MC	8·4		7	27	9	55	2·0		0·05	0·03	0·007	0·09	0·87										11613
5–9	HC	9·1	—	5	18	7	68	2·3	0·2	0·11	0·07													11614
9–23	HC	9·4	5·6	4	17	7	66	7·2	5·1	0·34	0·19													11615
23–38	HC	9·4	8·7						6·6	0·50	0·26													11616
38–54	MC	9·3	7·9	4	21	9	60	7·2		0·54	0·32													11617
Wandella Clay—*gilgai puff*: Parish of Boort, Allotment 31, Section G																								
0–5	MC	8·6	5·0	4	17	6	69	4·4	2·1	0·05	0·02	0·012	0·11	0·08										11622
5–12	MC	9·3	3·3	4	14	4	72	6·6	4·3	0·08	0·02													11623
12–22	HC	9·6	9·0	4	15	5	65	12·4	10·5	0·15	0·05													11624
22–34	MC	9·8	9·4	4	15	7	62	13·6	11·6	0·21	0·07													11625
Woolappee Clay Loam: Parish of Boort, Allotment, 20 Section E																								
0–3	CL	8·2	—*	18	36	6	36	4·1		0·05	0·02	0·023	0·15	1·32										13360
3–11	HC	9·1	—*	18	30	5	44	2·8		0·08	0·01													13361
12–19	MC	9·4							5·8	0·19	0·06													13362
19–28	LC	9·3	2·4†	18	25	5	42	10·5	9·1	0·38	0·17													13363
28–37	LC	9·3	2·1*	15	27	5	43	10·5	9·2	0·47	0·20													13364
37–54	LC	9·1								0·56	0·26													13365
54–68	MC	8·8	—*	15	28	7	48	2·7		0·65	0·32													13366
Woolshed Sandy Loam: Parish of Wychitella, Allotment 4																								
0–7	SL	7·7	—*	33	47	6	13	0·6		0·02	0·01		0·05	0·81										11572
8–18	MC	8·9		19	31	4	45	2·1		0·26	0·12													11573
18–29	MC	8·9	5·5	14	26	4	41	16·9	15·6	0·64	0·39													11574
29–39	LC	9·3	—	11	32	6	38	14·4	13·3	0·56	0·33													11575
39–50	MC	9·3	6·8	10	34	4	39	13·8	12·6	0·55	0·30													11576
Woolshed Loam: Parish of Leaghur, Allotment 42a																								
0–5	SCL	7·3	—*	43	34	3	19	0·8		0·02	0·01	0·010	0·09	1·16										13376
5–7	SL	7·8								0·01	0·01													13377
7–17	SC	8·4		47	25	3	25	0·7		0·03	0·02													13378
17–32	SC	9·0		42	23	2	32	0·8		0·08	0·07													13379
39–54	SC	9·3	11	38	23	1	34	4·4	4·2	0·28	0·13													13380
54–63	LC	9·3	26*							0·31	0·15													13381
63–84	LC	9·1	54*	20	30	3	46	2·4		0·30	0·16													13382

Depth	Field Texture	pH	Gravel ($CaCO_3$)	Particle Size: Coarse Sand	Particle Size: Fine Sand	Particle Size: Silt	Particle Size: Clay	Particle Size: Loss on Acid Treatment	Calcium Carbonate (CO_3 x 1·67)	Soluble Salts (E.C. mho/cm x 340)	Sodium Chloride (Cl x 1·65)	Phosphorus	Nitrogen	Organic Carbon	Exchangeable Cations (m.e.%—milliequivalents per 100 g of soil; %—percentage of total metal ions): Ca m.e.	Ca %	Mg m.e.	Mg %	K m.e.	K %	Na m.e.	Na %	Total m.e.	Sample No.
in.			%	%	%	%	%	%	%	%	%	%	%	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	%	m.e. %	
Wychitella Loam: Parish of Wychitella, Allotment 93																								
0–3	L	8·0	3·9*	19	45	14	20	1·1		0·03	0·02	0·015	0·11	1·17										11605
3–5	CL	7·7	47*	17	41	14	28	1·1		0·02	0·01		0·08	1·04										11606
5–15	MC	8·0	—*	6	21	6	66	1·8	0·2	0·02	0·01													11607
18–28	LC	8·5	57†	3	27	7	42	22·2	20·1	0·04	0·01													11609
28–37	LC	8·6	67†						23·0	0·06	0·02													11610
37–42	FS	9·1		3	62	18	16	1·6		0·04	0·02													11611
Wychitella Clay Loam, Shallow Phase: Parish of Wychitella, Allotment 24																								
0–5	CL	7·5	7·5*	7	46	18	28	0·7		0·02	0·02	0·032	0·10	0·94										11579
5–9	CL	7·0	64*	5	43	15	36	1·0		0·03	0·01													11580
9–26	LC	7·1	—†	2	21	4	73	1·4		0·02	0·01													11581
26–29	LC	8·3	41†						10·0	0·07	0·02													11583
30–38	FSCL	8·5		1	67	2	30	1·2		0·04	0·01													11584
Yando Clay: Parish of Boort, Allotment 29a, Section C																								
0–3	HC	7·5		1	14	15	68	2·4	0·1	0·02	0·02		0·10	1·12										5506
3–18	HC	8·3	—	1	12	15	71	3·1	0·5	0·10	0·04		0·05	0·45										5507
18–34	HC	8·3	—	1	12	15	70	3·8	1·6	0·24	0·15													5508
34–52	HC	8·4	—	—	12	15	71	3·5		0·31	0·18													5509
52–72	HC	8·5	—	—	12	15	71	3·4	1·1	0·34	0·16													5510
Yarrowalla Fine Sandy Loam, Shallow Phase: Parish of Loddon, Allotment 1, Section B																								
0–3	FSL	7·2		3	67	16	13	0·7		0·02	0·02		0·07	0·70										7186
3–13	HC	8·4		1	30	15	52	1·9		0·26	0·17		0·09	0·71	6·5	23	14·5	50	0·8	3	6·8	24	28·6	7187
13–18	MC	9·0	2·2	1	35	23	41	2·2	0·1	0·48	0·31													7188
18–29	FSC	8·6	6·9	—	40	26	30	2·9	0·5	**	0·35													7189
29–36	FSCL	8·4		1	60	17	21	0·9	—	0·39	0·21													7190
36–60	FSCL	8·6		1	43	30	25	1·2	—	0·37	0·24													7191
60–84	LC	8·4		1	21	18	58	2·0		0·56	0·33													7192
Yarrowalla Loam, Shallow Phase: Parish of Calvil, Allotment 25																								
0–5	L	6·2		1	48	32	16	0·8		0·02	—		0·12	1·62										19584
7–13	HC	6·2		1	35	27	38	1·2		0·10	0·06													19585
13–18	MC	7·2		1	42	23	34	1·1		0·24	0·15													19586
18–22	FSC	8·0		—	49	23	28	0·8	—	0·36	0·22													19587
22–30	LC	8·5		—	20	39	41	1·8	0·2	0·58	0·34													19588
30–42	LC	8·5		—	9	41	47	3·3	0·4	0·63	0·42													19589
Yarrowalla Loam: Parish of Pompapeil, Allotment 178																								
0–4	L	6·6		9	31	39	18	1·2		0·06	0·04		0·16	2·29										19611
4–15	MC	8·1		2	16	36	44	0·8		0·12	0·09													19612
15–26	LC	8·9		1	14	43	41	2·2	0·1	0·40	0·25													19613
26–36	SiCL	8·2		1	10	51	37	1·9	0·1	0·66	0·55													19614
36–48	S	8·7		24	55	7	12	0·8		0·22	0·14													19615
54–68	FSCL	8·3		1	25	45	30	1·5		0·74	0·58													19616
68 82	LC	8·3		2	23	17	58	2·0		0·63	0·46													19617