

Profile No. Soil Group	Depth	Texture	Particle Size Analysis					1: 5 Soil Water Suspension			Org. C	N	C/N	Avail. P	HCl Extract		Free Fe ₂ O ₃	Exchangeable Cations										
			Gravel	Coarse Sand	Fine Sand	Silt	Clay	pH	EC25°C UScm ⁻¹	Cl ⁻					P	K		Milliequivalent %					Sat.	% of C.E.C				
																		Ca ⁺⁺	Mg ⁺⁺	K ⁺	Na ⁺	C.E.C		Ca ⁺⁺	Mg ⁺⁺	K ⁺	Na ⁺	H ⁺
316	0-10 10-30 30-61 61-71 71-91 91-122 122+	SiL SiCL SiCL SiL HC HC HC	tr tr 4 60 tr tr tr	5 3 - 4 4 - -	42 38 - 37 10 - -	30 26 - 23 5 - -	19 29 - 23 78 - -	5.6 5.4 5.7 5.8 5.8 5.8 5.8	57 25 31 42 36 52 72	0.004 0.002 0.002 0.003 0.005 0.007 0.009	1.1 0.3 - - - - -	0.10 0.05 - - - - -	12 8 - - - - 1	2 - - 4 - - -	0.017 - - 0.019 - - 0.018	0.27 - - 0.26 - - 0.76	2.8 2.5 2.7 3.3 5.3 5.0 6.9	2.8 - - 1.9 - - 4.2	2.2 - - 2.5 - - 14.2	0.5 - - 0.3 - - 0.4	0.2 - - 0.2 - - 1.7	8.7 - - 7.5 - - 27.8	65 - - 64 - - 73	32 - - 25 - - 15	25 - - 33 - - 51	6 - - 4 - - 1	2 - - 2 - - 6	35 - - 36 - - 27
317	0-10 10-30 30-46 46-76 76-107 107-137	SiL SiCL SiCL HC HC SiC	14 tr 4 4 tr tr	9 4 5 3 - -	44 39 31 20 - -	24 28 28 18 - 43	16 25 32 54 - 47	5.8 6.2 6.9 5.4 5.0 5.2	72 49 87 300 460 410	0.006 0.006 0.005 0.033 0.058 0.052	3.6 1.9 - - - -	0.28 0.12 - - - -	15 21 - - 1 -	6 - 1 - 1 -	0.024 - 0.011 - 0.014 -	0.21 - 0.36 - 0.80 -	1.6 1.7 2.9 2.8 2.9 3.1	9.5 - 5.9 - 6.3 -	2.5 - 6.3 - 12.4 -	0.3 - 0.2 - 0.3 -	0.2 - 1.06 - 4.5 -	18.2 - 15.6 - 29.3 -	69 - 86 79 -	52 - 38 21 -	14 - 40 42 -	2 - 1 - 1 -	1 - 7 15 -	31 - 14 21 -
318	0-5 5-30 30-61 61-91 91-122	SiL HC HC HC HC	7 tr tr tr tr	7 2 - 9 -	45 10 - 16 -	26 11 - 16 -	16 73 - 68 -	5.9 6.5 6.0 6.0 6.1	81 110 260 400 450	0.004 0.012 0.025 0.045 0.050	3.3 0.7 - 0.3 -	0.14 0.08 - 0.039 -	31 11 - 10 -	7 - - tr -	0.023 - - 0.011 -	0.25 - - 0.72 -	1.7 3.3 - - -	5.9 6.2 - 7.4 -	3.7 21.9 - 19.6 -	0.5 0.7 - 0.2 -	0.2 2.7 - 5.5 -	14.2 34.6 - 33.2 -	72 91 - 98 -	42 18 - 22 -	26 63 - 59 -	3 2 - tr -	1 8 - 17 -	28 9 - 2 -
319	0-10 10-30 30-61 61-91	CL C C C	tr tr tr tr	4 2 - 2	28 26 - 37	22 15 - 13	36 49 - 43	5.6 5.6 6.0 6.1	72 69 27 22	0.010 0.010 0.005 0.003	5.9 3.8 1.9 1.0	0.50 0.29 0.15 0.10	15 17 16 13	7 - tr -	0.039 - 0.017 -	0.65 - 0.81 -	2.8 4.0 3.7 3.1	13.5 - 9.5 -	5.7 - 6.1 -	0.6 - 0.4 -	0.2 - 0.2 -	32.4 - 24.0 -	62 - 68 -	42 - 40 -	18 - 25 -	2 - 2 -	tr - 1 -	38 - 32 -

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			Gravel	Coarse Sand	Fine Sand	Silt	Clay	pH	EC25°C US cm ⁻¹	Cl-	P					K	Milliequivalent %					Sat.	% of C.E.C					
																	Ca++		Mg++	K+	Na+		C.E.C	Ca++	Mg++	K+	Na+	H+
320 Amphipodsol. Steep south-western slope on Silurian mudstone. Dry peppermint-gum forest.	0-8	SiL	12	11	24	40	18	5.0	39	0.002	1.3	0.072	23	2	0.014	0.49	1.9	0.7	0.6	0.4	0.2	13.5	14	5	5	3	1	86
	8-15	SiL	9	-	-	-	-	5.0	38	0.003	0.8	0.053	20	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-	-
	15-30	SiCL	9	11	20	39	24	5.3	30	0.002	0.6	0.054	14	3	0.014	0.80	2.1	0.2	0.9	0.4	0.2	10.4	15	2	8	3	2	85
	30-61	SiC	tr	-	-	-	-	5.4	32	0.002	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-
	61-91	SiC	6	7	13	30	43	5.8	20	0.002	-	-	-	1	0.017	0.81	3.6	0.1	3.2	0.5	0.2	11.8	34	1	27	4	2	66
91-122	SiC	13	-	-	-	-	5.9	19	0.002	-	-	-	-	-	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-
321 Prairie soil. Steep northern drainage line on Carboniferous shale. Grassland with scattered yellow box, red gum	0-8	SiCL	tr	7	16	35	30	5.6	72	0.014	4.9	0.46	14	9	0.051	0.66	-	11.9	3.9	0.3	0.4	25.6	65	47	15	1	2	35
	8-15	LC	tr	-	-	-	-	5.8	41	0.010	4.4	0.27	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-30	LC	tr	-	-	-	-	6.3	35	0.010	2.6	0.21	16	5	0.051	0.85	-	17.1	4.8	0.3	0.2	27.1	83	63	18	1	1	17
	30-61	LC	tr	-	-	-	-	6.5	30	0.008	2.4	0.16	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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			Gravel	Coarse Sand	Fine Sand	Silt	Clay	pH	EC25°C U/sem ⁻¹	Cl ⁻					P	K		Milliequivalent %					Sat.	% of C.E.C				
																		Ca ⁺⁺	Mg ⁺⁺	K ⁺	Na ⁺	C.E.C		Ca ⁺⁺	Mg ⁺⁺	K ⁺	Na ⁺	H ⁺
322 Brown earth. Steep north ridge on Carboniferous shale. Grassland with scattered yellow box, red gum.	0-8	SiL	tr	12	15	41	23	5.4	64	0.005	2.7	0.30	10	9	0.039	0.85	2.1	6.0	2.0	1.1	0.08	17.1	53	35	12	3	tr	47
	8-15	SiCL	tr	-	-	-	-	5.8	50	0.005	1.6	0.20	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-30	SiC	4	7	16	34	41	6.0	28	0.003	-	-	-	4	0.024	1.1	2.5	5.0	2.3	0.6	0.2	12.1	66	41	19	5	1	34
	30-61	SiC	4	-	-	-	-	5.7	20	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	61-91	SiC	tr	3	11	26	59	6.4	36	0.005	-	-	-	1	0.024	1.7	3.2	5.6	5.4	0.3	0.8	16.4	74	34	33	2	5	26
324 Amphipodsol. Steep north slope on Silurian mudstone. Dry peppermint gum forest.	0-8	L	28	13	15	37	27	5.5	46	0.007	5.2	0.28	24	2	0.041	0.60	2.4	10.2	4.6	0.5	0.1	27.4	56	37	17	2	tr	44
	8-15	CL	38	-	-	-	-	5.6	32	0.005	2.1	0.16	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-30	CL	28	10	17	41	39	5.6	25	-	-	-	1	0.025	0.61	2.7	2.1	1.9	0.6	0.1	12.7	37	17	15	4	1	63	
	30-61	LC	24	-	-	-	-	5.4	18	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	61-91	LC	25	7	8	81	60	5.5	15	0.002	-	-	-	tr	0.020	0.74	3.7	1.3	3.1	0.5	0.1	15.1	34	9	21	3	1	66
325 Acid brown earths. Steep south slope on Silurian mudstone. Wet peppermint-gum forest	0-8	SiL	30	14	16	34	29	5.4	6.4	0.011	8.9	0.49	24	6	0.054	0.47	4.1	13.1	4.9	1.4	0.2	37.4	52	35	13	4	tr	48
	8-15	SiL	17	-	-	-	-	5.4	39	0.007	5.1	0.47	14	-	-	-	4.4	-	-	-	-	-	-	-	-	-	-	-
	15-30	SiL	8	14	16	34	34	5.3	28	0.003	3.2	0.22	19	3	0.038	0.47	4.8	0.6	0.8	1.1	0.1	20.2	13	3	4	5	1	87
	30-61	SiL	3	-	-	-	-	5.1	25	0.003	2.3	0.16	19	-	-	-	4.8	-	-	-	-	-	-	-	-	-	-	-
	61-91	SiL	11	13	15	35	35	5.1	16	0.002	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	-	-	-
	91-122	SiC	12	-	-	-	-	5.0	19	0.003	-	-	-	1	0.026	0.51	4.5	0.1	0.5	0.2	0.1	14.4	6	1	3	1	1	94
326 Krasnozom. Steep south slope on Cambrian basic lava. Wet peppermint-gum forest	0-8	SiCL	15	14	23	31	29	5.6	46	0.006	3.7	0.27	18	3	0.089	0.19	5.9	9.8	4.3	1.0	0.08	23.3	64	42	18	4	tr	36
	8-15	SiCL	9	-	-	-	-	5.8	34	0.007	2.4	0.19	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15-30	SiCL	11	13	24	32	31	5.9	39	0.006	1.8	0.15	16	1	0.075	0.17	6.3	10.8	2.7	0.6	0.1	22.2	64	49	12	3	tr	36
	30-61	SiCL	18	-	-	-	-	5.9	29	0.004	0.7	0.071	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	61-102	SiC	21	11	19	24	46	6.0	26	0.004	-	-	-	1	0.046	0.18	6.6	8.3	1.9	0.4	0.1	16.8	64	49	11	3	1	36
	102-132	SiLC	5	-	-	-	-	6.0	26	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132-152	SiLC	10	12	26	23	39	6.0	24	0.004	-	-	-	tr	0.044	0.11	13.5	7.7	5.5	0.4	0.1	20.3	68	38	27	2	1	32	
327 Alpine humus soil. Steep north-west slope on granite. Snow gum woodland.	0-8	L	31	45	17	14	14	4.7	76	0.009	10.0	0.72	17	17	0.065	0.10	2.3	1.6	0.2	0.4	0.2	24.3	11	7	1	2	1	89
	8-15	L	32	-	-	-	-	4.7	57	0.007	8.7	0.58	20	-	-	-	2.4	-	-	-	-	-	-	-	-	-	-	-
	15-30	L	25	37	23	24	11	4.7	49	0.006	9.6	0.61	20	3	0.067	0.12	2.8	0.4	0.2	0.3	0.1	21.4	5	2	1	1	1	95
	30-46	L	25	-	-	-	-	4.8	46	0.006	7.4	0.48	20	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-
	46-76	L	13	46	28	14	11	4.8	34	0.003	3.1	0.19	21	4	0.086	0.23	2.6	0.2	0.02	0.1	0.07	17.1	2	1	tr	1	tr	98
	76-91	-	7	-	-	-	-	5.0	24	0.002	0.8	0.058	18	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-

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			Gravel	Coarse Sand	Fine Sand	Silt	Clay	pH	EC25°C µS/cm ⁻¹	Cl ⁻	P					K	Milliequivalent %					Sat.	% of C.E.C					
																	Ca ⁺⁺		Mg ⁺⁺	K ⁺	Na ⁺		C.E.C	Ca ⁺⁺	Mg ⁺⁺	K ⁺	Na ⁺	H ⁺
328 Transitional alpine humus soil. Steep south slope on Silurian mudstones. Woollybutt forest	0-30	SiL	43	17	19	41	14	4.8	72	0.007	8.6	0.36	31	3	0.045	0.34	3.9	1.1	1.8	0.4	0.2	26.3	13	4	7	1	1	87
	30-61	SiL	48	20	19	41	16	4.9	32	0.003	3.6	0.16	29	1	0.040	0.42	4.2	0.08	0.6	0.2	0.09	19.1	4	tr	3	1	tr	96
	61-91	SiL	42	22	19	39	18	5.0	30	0.003	2.7	0.11	32	2	0.039	0.42	4.6	0.1	0.3	0.2	0.09	13.0	6	1	2	2	1	94
	91-122	SiL	60	26	18	37	17	5.0	24	0.002	1.9	0.087	28	1	0.040	0.42	4.5	0.08	0.4	0.2	0.09	18.2	3	tr	2	1	tr	97
	122-152	SiL	43	22	24	30	20	5.0	25	0.002	0.6	0.051	15	tr	0.044	0.44	4.1	0.08	0.1	0.2	0.06	9.5	5	1	1	2	1	95
	152-183	SiL	43	23	25	28	22	4.9	21	0.001	0.5	0.043	15	tr	0.044	0.49	4.1	0.04	0.3	0.2	0.05	9.5	6	tr	3	2	1	94
329 Yellow podsolic soil. Moderate slope on Silurian mudstone. Red box, yellow box, red stringybark woodlands.	0-10	SiL	tr	-	-	-	-	5.0	58	0.04	2.7	0.22	16	4	0.021	0.48	-	2.0	0.7	0.5	0.05	12.6	26	16	6	4	tr	74
	10-20	SiL	tr	4	29	32	29	5.0	30	0.001	0.7	0.091	10	1	0.014	0.49	-	0.6	0.	0.3	0.1	5.2	25	11	8	5	1	75
	20-30	SiC	tr	2	17	28	50	4.8	30	0.001	-	-	-	1	0.025	0.84	-	0.4	0.7	0.3	0.07	7.4	19	5	9	4	1	81
	30-61	SiC	tr	1	12	24	60	5.1	29	0.001	-	-	-	1	0.014	0.92	-	0.2	1.1	0.2	0.2	9.9	17	2	11	2	2	83
	61-91	SiC	tr	-	-	-	-	5.1	30	0.002	-	-	-	tr	-	-	-	0.08	1.1	0.2	0.3	12.0	13	1	9	1	2	87
330 Alpine humus soil. Moderate north slope on basalt. Snow gum woodland.	0-8	SiCL	tr	2	11	28	41	5.3	140	0.045	13.6	1.28	14	2	0.13	0.16	4.5	18.8	6.1	0.8	0.3	45.2	67	44	16	4	3	33
	8-15	SiCL	tr	-	-	-	-	5.3	110	0.036	11.5	1.16	13	-	-	-	4.8	-	-	-	-	-	-	-	-	-	-	-
	15-23	SiCL	tr	2	15	35	37	5.4	95	0.030	8.8	0.96	18	1	0.098	0.11	4.7	14.5	5.1	0.6	0.4	39.8	52	36	13	2	1	48
	23-30	SiL	tr	-	-	-	-	5.4	72	0.022	6.0	0.63	12	-	-	-	4.6	-	-	-	-	-	-	-	-	-	-	-
	30-46	SiL	tr	7	37	42	14	5.6	42	0.010	3.3	0.36	12	1	0.078	0.084	4.5	14.5	5.1	0.2	0.3	35.1	58	41	15	1	1	42
	46-61	SiL	tr	-	-	-	-	5.9	36	0.008	2.0	0.22	12	-	-	-	4.5	-	-	-	-	-	-	-	-	-	-	-
	61-76	SiL	tr	17	44	25	10	5.7	41	0.008	1.6	0.16	13	5	0.16	0.046	3.2	17.2	3.9	0.2	0.3	39.7	59	43	10	5	1	41