

Project Name: Shire of Kowree, Vic
Project Code: SK Site ID: A20 Observation ID: 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:	G. Blackburn	Locality:	
Date Desc.:	24/11/53	Elevation:	140 metres
Map Ref.:	1:250000	Rainfall:	530
Northing/Long.:	141.483611111111	Runoff:	Rapid
Easting/Lat.:	-36.861111111111	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Ridge	Relief:	15 metres
Elem. Type:	Lunette	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Regolithic Calcic Calcarosol		Principal Profile Form:	Um6.21
ASC Confidence:		Great Soil Group:	Brown earth
No analytical data are available but confidence is fair.			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Very weak consistence;
0.1 - 0.18 m	Dark brown (10YR3/3-Moist); ; Strong consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
0.83 - 1.13 m	; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;

Morphological Notes

marl material

Observation Notes

Site Notes

LOWAN S & L.U. No 17. Map Site 20

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				cmol (+)/kg				%
0 - 0.08	7.8A	0.042C	11.7F	0.8	1	0.08				
0.1 - 0.18	7.8A	0.019C	12.3F	1.2	1.1	0.08				
0.83 - 1.13	8.8A	0.047C								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08				0.015F	0.166C				36C	42	3	17
0.1 - 0.18				0.011F	0.079C				30C	43	2	24
0.83 - 1.13	33A								22C	13	2	28

[illegible]

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Laboratory Analyses Completed for this profile

15D1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_K	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_MG	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_NA	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
19A1	Carbonates - rapid titration
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
7_C_B	Total Nitrogen - method description not recorded
9A_NR	Total element - P(%) - Not recorded
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded