

Project Name: Shire of Kowree, Vic
Project Code: SK **Site ID:** A7 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:	G. Blackburn	Locality:	
Date Desc.:	23/11/53	Elevation:	No Data
Map Ref.:	1:250000	Rainfall:	480
Northing/Long.:	141.6525	Runoff:	Moderately rapid
Easting/Lat.:	-36.7186111111111	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:	Plain
Morph. Type:	Ridge	Relief:	18 metres
Elem. Type:	Beach ridge	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Red Sodosol		Principal Profile Form:	Dy3.71
ASC Confidence:		Great Soil Group:	Solodic soil

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Cultivation. Rainfed

Vegetation: Low Strata - , , . *Species includes - Danthonia species

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus leucoxylon, Casuarina leuhmannii

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Loose consistence; Many, fine (1-2mm) roots; Diffuse change to -
0.08 - 0.23 m	Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; 0-2%, Gravel, coarse fragments; CommonClear change to -
0.25 - 0.43 m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Weak consistence; 50-90%, Gravel, coarse fragments;
0.43 - 0.48 m	Pale brown (10YR6/3-Moist); ; 5YR73; Clay loam, sandy; Single grain grade of structure; Weak consistence; 2-10%, Gravel, coarse fragments; Clear change to -
0.48 - 0.6 m	Red (10R5/6-Moist); ; 5Y62; Medium clay; Massive grade of structure; Very weak consistence; 2-10%, Gravel, coarse fragments;
0.6 - 0.9 m	Red (10R5/6-Moist); ; 5Y62; Medium clay; Massive grade of structure; Very weak consistence;
0.9 - 1.15 m	Red (10R5/6-Moist); ; 5Y62; Medium clay; Massive grade of structure; Very weak consistence;

Morphological Notes

Observation Notes

NOT COLUMNAR SUBSOIL LAYER 5 - BLEACHED SILICEOUS PATCHES AS ON GRAVEL

Site Notes

LOWAN S & L.U. No 17. Map Site 7

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[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
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