

Project Name: Shire of Kowree, Vic
Project Code: SK **Site ID:** A1 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:	G. Blackburn	Locality:	IMPROVED SUB-CLOVER PASTURE
Date Desc.:	17/11/53	Elevation:	170 metres
Map Ref.:	1:250000	Rainfall:	610
Northing/Long.:	141.366666666667	Runoff:	Very slow
Easting/Lat.:	-37.2	Drainage:	Imperfectly 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	15 metres
Elem. Type:	No Data	Slope Category:	No Data
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatric Grey Sodosol		Principal Profile Form:	Dy3.83
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	Solodic soil

Site Disturbance:

Vegetation:

Tall Strata - Tree, 20.01-35m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Greyish brown (10YR5/2-Moist); , 10YR56; Sandy loam; Weak consistence; Few (2 - 10 %), Ferruginous, , Concretions; Diffuse change to -
0.08 - 0.15 m	Light brownish grey (10YR6/2-Moist); , 10YR56; Sandy loam; Weak consistence; Few (2 - 10 %), Ferruginous, , Concretions; Diffuse change to -
0.15 - 0.23 m	Grey (10YR6/1-Moist); , 10YR56; Loamy sand; Massive grade of structure; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Diffuse change to -
0.23 - 0.3 m	Grey (10YR6/1-Moist); , 10YR56; Sand; Few (2 - 10 %), Ferruginous, , Concretions; Clear, Wavy change to -
0.3 - 0.38 m	Grey (10YR6/1-Moist); , 10YR56; Medium clay; Massive grade of structure; Few (2 - 10 %), Ferruginous, , Concretions; Diffuse change to -
0.38 - 0.59 m	Grey (10YR6/1-Moist); , 10YR56; Medium clay; Massive grade of structure; Very few (0 - 2 %), Ferruginous, , Concretions; Diffuse change to -
0.59 - 0.91 m	Grey (10YR6/1-Moist); , 10YR56; Medium clay; Massive grade of structure; Very few (0 - 2 %), Ferruginous, , Concretions; Diffuse change to -
0.91 - 1.24 m	Grey (10YR6/1-Moist); , 10YR56; Medium clay; Very firm consistence; Very few (0 - 2 %), Ferruginous, , Concretions; Diffuse change to -
1.24 - 1.52 m	Brownish yellow (10YR6/6-Moist); ; Medium clay; Very firm consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, , Concretions; Few (2 - 10 %), Gypseous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

LOWAN S & L.U. No 17. Map Site 1

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.08	5.8A	0.015C							
0.08 - 0.15	5.9A	0.011C							
0.15 - 0.23	6.3A	0.008C							
0.23 - 0.3	6.6A	0.007C							
0.3 - 0.38	6.7A	0.013C							
0.38 - 0.59	6.4A	0.026C							
0.59 - 0.91	6.2A	0.168C							
0.91 - 1.24	7.9A	0.179C							
1.24 - 1.52	8.4A	0.288C							

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Laboratory Analyses Completed for this profile

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
P10_GRAV	Gravel (%)
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