Shire of Kowree, Vic **Project Name:**

Observation ID: 1 **Project Code:** SK Site ID: **A8**

CSIRO Division of Soils (VIC) Agency Name:

Site Information

G. Blackburn Locality:

Desc. By: Date Desc.: Elevation: 25/11/53 150 metres Map Ref.: Rainfall: 530 Northing/Long.: Runoff: 141.85777777778 Slow

-37.09833333333333 Imperfectly drained Easting/Lat.: Drainage:

Geology

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

Land Form

Rel/Slope Class: Gently undulating plains <9m Pattern Type: Plain

1-3%

Flat Morph. Type: Relief: No Data Elem. Type: Plain Slope Category: No Data 0 % Aspect: No Data Slope:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Calcic Mottled-Mesonatric Grey Sodosol **Principal Profile Form:** Dy3.43

Great Soil Group: Solodized solonetz **ASC Confidence:**

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Low Strata - , , . *Species includes - None recorded **Vegetation:**

Surface Coarse Fragments:

Profile Morphology

Pale brown (10YR6/3-Moist); ; Sand (Heavy); Weak grade of structure, Columnar; Firm 0 - 0.08 m consistence; Many, fine (1-2mm) roots; 0.08 - 0.15 m Pale brown (10YR6/3-Moist); ; Sand; Very firm consistence; CommonClear, Irregular change to -0.15 - 0.3 m Brown (10YR5/3-Moist); , 10R56; Sandy clay loam; Very weak consistence; 0.3 - 0.6 m Pale olive (5Y6/3-Moist); , 10R56; Medium clay; Strong consistence; 0.6 - 0.85 m Light yellowish brown (10YR6/4-Moist); ; Sandy medium clay; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Diffuse change to -0.85 - 1.15 m Pale olive (5Y6/3-Moist); , 10YR54; Sandy medium clay; Weak consistence; Common (10 - 20

%), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

LAYER 5 - LIME MAINLY EXCLUDED FROM SAMPLE

Site Notes

LOWAN S & L.U. No 17. Map Site 8

Shire of Kowree, Vic

SK Site ID: A8
CSIRO Division of Soils (VIC) Observation ID: 1

Project Name: Project Code: Agency Name:

Laboratory Test Results:

Laboratory Test Results.											
Depth	рН	1:5 EC		hangeable Mg	Cations K	Na Ex	xchangeable Acidity	CEC	ECE	С	ESP
m		dS/m		9		Cmol (+)/					%
0 - 0.08 0.08 - 0.15	6.4A 6.7A	0.01C 0.01C	1.4F	0.7	0.17	0.11					
0.15 - 0.3 0.3 - 0.6	6.8A 7.6A	0.028C 0.061C	6.7F	11.3	0.98	3.7					
0.6 - 0.85 0.85 - 1.13	8.8A 9.4A	0.085C 0.153C									
Donath	0-000	O	A !!	Tatal	Tatal	Tatal	D. II.	D	l- 0:	A b	:_
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic GV C	S FS	Analysi Silt	is Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%		
0 - 0.08 0.08 - 0.15				0.004F	0.04	11C		1	1C 4	44 3	12
0.15 - 0.3 0.3 - 0.6				0.009F	0.09)2C		_	10 -	,, ,	12
0.6 - 0.85 0.85 - 1.13				0.005F	0.03	37A					
Depth	COLE					Vater Conte			K sat	K unsa	at
m		Sat.	:. 0.05 Bar 0.1 Bar 0.5 Bar g/g - m3/m3				5 Bar 15		mm/h	mm/h	1
0 - 0 08											

0 - 0.08 0.08 - 0.15 0.15 - 0.3 0.3 - 0.6 0.6 - 0.85 0.85 - 1.13

Project Name: Shire of Kowree, Vic

Project Code: Site ID: **A8** Observation ID: 1 SK

Agency Name: CSIRO Division of Soils (VIC)

Laboratory Analyses Completed for this profile

15D1_CA Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium acetate at pH 7.0, pretreatment for

soluble salts; manual leach

Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; 15D1_K

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 (%) Air-dry moisture content 2A1

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 7A2 Total nitrogen - semimicro Kjeldahl , automated colour

9A_NR Total element - P(%) - Not recorded

P10 NR C Clay (%) - Not recorded

Coarse sand (%) - Not recorded Fine sand (%) - Not recorded P10_NR_CS P10_NR_FS P10_NR_Z Silt (%) - Not recorded