Project Name: Shire of Kowree, Vic

Project Code: Site ID: Observation ID: 1 SK **A27**

Agency Name: CSIRO Division of Soils (VIC)

Site Information

G. Blackburn Locality:

Desc. By: Date Desc.: Elevation: 26/11/53 170 metres Map Ref.: 1:250000 Rainfall: 530

Northing/Long.: 141.6875 Runoff: Moderately rapid Easting/Lat.: -37.0875 Imperfectly drained 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: Undulating plains <9m 3-10% Pattern Type: Plain Flat Relief: 6 metres

Morph. Type: Elem. Type: Slope Category: Very gently sloped Plain

Slope: 0 % Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Eutrophic Mottled-Mesonatric Yellow Sodosol **Principal Profile Form:** Dy5.41 **ASC Confidence: Great Soil Group:** Solodic soil

Analytical data are incomplete but reasonable confidence.

Site Disturbance:

Vegetation:

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m Grevish brown (10YR5/2-Moist); ; Coarse sand; Firm consistence;

0.3 - 0.35 m Grey (10YR6/1-Moist); ; Sand; 20-50%, cobbly, 60-200mm, Quartz, coarse fragments; Abrupt

0.35 - 0.4 m Light yellowish brown (10YR6/4-Moist); , 10YR51; , 2.5YR56; Heavy clay; , Columnar; Very firm

consistence;

1 - 1.05 m ; Medium clay; Firm consistence; 2-10%, coarse gravelly, 20-60mm, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

LOWAN S & L.U. No 17. Map Site 27

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Project Name: Project Code: Agency Name:

Laboratory Test Results:

Laboratory Test Nesuits.												
Depth	рН	1:5 EC		hangeable Vig	Cations K	Na	Exchangeable Acidity	CEC	E	CEC	E	SP
m		dS/m		J		Cmol (+					•	%
0 - 0.08 0.3 - 0.35	6.4A 6.5A	0.016C 0.01C	1.4F	0.4	0.37	0.1						
0.35 - 0.4 1 - 1.05	6.3A 5.7A	0.034C 0.104C	2.7F	8.8	0.28	2.7						
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV		ize <i>A</i> FS	Analysis Silt	
m	%	%	mg/kg	%	%	%	Mg/m3			%		-
0 - 0.08 0.3 - 0.35 0.35 - 0.4 1 - 1.05				0.005F 0.008F		5A		3 39	42C 52C	45 40	3 2	9 7
Depth	COLE	Gravimetric/Volumetric Water C							K sat		K unsat	:
m		Sat.	0.05 Bar		0.5 Bar g - m3/m3	1 Bar 3	5 Bar 15 I	Bar	mm/h		mm/h	
0 - 0.08 0.3 - 0.35 0.35 - 0.4 1 - 1.05												

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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

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
7A2 Total nitrogen - semimicro Kjeldahl , automated colour

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

P10_GRAV Gravel (%)

P10_NR_C
P10_NR_CS
Clay (%) - Not recorded
Coarse sand (%) - Not recorded
P10_NR_FS
P10_NR_Z
Silt (%) - Not recorded
Silt (%) - Not recorded