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

**Project Code:** Site ID: Observation ID: 1 SK A28

**CSIRO Division of Soils (VIC) Agency Name:** 

**Site Information** 

Desc. By: Date Desc.: G. Blackburn Locality:

Elevation: 26/11/53 170 metres Map Ref.: 1:250000 Rainfall: 550

Northing/Long.: 141.482777777778 Runoff: Moderately rapid -37.150277777778 Imperfectly drained Easting/Lat.: Drainage:

Geology

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

**Land Form** 

Rel/Slope Class: Rolling plains <9m 10-32% Pattern Type: Plain Morph. Type: Flat Relief: 9 metres

Very gently sloped Elem. Type: Slope Category: Plain

Slope: 0 % Aspect: No Data

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

**Australian Soil Classification: Mapping Unit:** N/A Calcic Mottled-Hypernatric Grey Sodosol **Principal Profile Form:** Dy5.81 **ASC Confidence: Great Soil Group:** Solodic soil

Analytical data are incomplete but reasonable confidence. Site Disturbance: No effective disturbance. Natural

**Vegetation:** 

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

**Surface Coarse Fragments:** 

**Profile Morphology** 

0 - 0.08 m Grey (10YR5/1-Moist); ; Loamy sand; , Granular; Firm consistence;

0.45 - 0.5 m Yellow (10YR8/6-Moist);; Sand; Strong consistence; 0-2%, Gravel, coarse fragments; Abrupt

change to -

0.58 - 0.63 m Grey (10YR5/1-Moist); , 10YR64; , 2.5YR64; Heavy clay; 0-2%, Gravel, coarse fragments;

Yellowish brown (10YR5/4-Moist); , 10YR51; Medium clay; Very firm consistence; Common (10 -1.1 - 1.15 m

20 %), Calcareous, , Soft segregations;

**Morphological Notes** 

**Observation Notes** 

**Site Notes** 

LOWAN S & L.U. No 17. Map Site 28

Shire of Kowree, Vic

Project Name: Project Code: Agency Name: SK Site ID: A28 CSIRO Division of Soils (VIC) Observation ID: 1

## **Laboratory Test Results:**

Eaboratory rest Results.												
Depth	pН	1:5 EC		nangeable //g	Cations K	Na	Exchangeable Acidity	CEC		ECEC		ESP
m		dS/m		"9		Cmol (-						%
0 - 0.08	6.6A	0.018C	6.9F	1.6	0.35	0.1						
0.45 - 0.5	5.6A	0.021C	0.05	<b>5</b> 4	0.40	2.0						
0.58 - 0.63 1.1 - 1.15	5.6A 9.1A	0.052C 0.174C	0.9F	5.4	0.43	2.9						
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K	l Bulk Density	Pa GV	article CS	Size FS	Analys Silt	is Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08 0.45 - 0.5				0.011F	0.15 0.01							
0.58 - 0.63 1.1 - 1.15				0.01F	0.06	2C						
Depth	COLE		Gravimetric/Volumetric Water Contents						K sat		K unsat	
m		Sat.	0.05 Bar		0.5 Bar j - m3/m3	1 Bar	5 Bar 15	Bar	mm	ı/h	mm/h	1
0 - 0 08												

0 - 0.08 0.45 - 0.5 0.58 - 0.63 1.1 - 1.15

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

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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 3A\_TSS Air-dry moisture content

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 Total Nitrogen - method description not recorded Total nitrogen - semimicro Kjeldahl , automated colour 7\_C\_B 7A2

9A\_NR Total element - P(%) - Not recorded