

**Project Name:** Lowan, Vic.  
**Project Code:** LO1      **Site ID:** A932      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (VIC)

**Site Information**

<b>Desc. By:</b>	G. Blackburn	<b>Locality:</b>	
<b>Date Desc.:</b>	11/06/64	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	141.97638889	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-36.25583333	<b>Drainage:</b>	Well drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Ridge	<b>Relief:</b>	15 metres
<b>Elem. Type:</b>	Lunette	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Class Undetermined Regolithic Hypercalcic Calcarosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solonized brown soil
Analytical data are incomplete but reasonable confidence.			

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

**Vegetation:**

Tall Strata - Tree mallee, , . \*Species includes - Eucalyptus species

**Surface Coarse Fragments:** 10-20%, , , Other

**Profile Morphology**

0 - 0.1 m	; Loamy sand; Massive grade of structure;
0.1 - 0.18 m	; Sand; Massive grade of structure; Very few (0 - 2 %), Calcareous, , Soft segregations;
0.19 - 0.23 m	; Loam; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to -
0.23 - 0.3 m	; Sandy loam; Massive grade of structure; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to -
0.3 - 0.43 m	; Sandy clay loam; Massive grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Common
0.43 - 0.6 m	; Fine sandy clay loam; Massive grade of structure; Many (20 - 50 %), Calcareous, , Soft segregations;
0.65 - 0.85 m	; Sandy loam; Massive grade of structure; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;
0.85 - 0.98 m	; Sandy loam; Massive grade of structure; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;
0.98 - 1.15 m	; Sandy loam; Massive grade of structure; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Common
1.3 - 1.5 m	; Loamy sand; Massive grade of structure; Weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;
1.78 - 1.88 m	; Sandy clay loam; Massive grade of structure; Common (10 - 20 %), Calcareous, , Soft segregations;

**Morphological Notes**

**Observation Notes**

**Site Notes**

LOWAN

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Cmol (+)/kg	Acidity			%
0 - 0.1	8.2H	0.03C								
0.1 - 0.18	8.7H	0.024C								
0.19 - 0.23	8.4H	0.04C								
0.23 - 0.3	8.7H	0.044C								
0.3 - 0.43	8.7H	0.042C								
0.43 - 0.6	8.8H	0.047C								
0.65 - 0.85	8.9H	0.064C								
0.85 - 0.98	9H	0.073C								
0.98 - 1.15	9.2H	0.091C								
1.3 - 1.5	9.8H	0.13C								
1.78 - 1.88	10H	0.23C								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1	1.7C								45C	43	2	8
0.1 - 0.18	0.57C								40C	51	1	8
0.19 - 0.23	2.9C								10C	62	6	19
0.23 - 0.3	6.8C								34C	38	3	17
0.3 - 0.43	12C											
0.43 - 0.6	19C								30C	32	4	15
0.65 - 0.85	22C											
0.85 - 0.98	19C								40C	25	2	15
0.98 - 1.15	16C											
1.3 - 1.5	13C											
1.78 - 1.88	10C								42C	28	3	17

[illegible]

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**Laboratory Analyses Completed for this profile**

19B_NR	Calcium Carbonate (CaCO <sub>3</sub> ) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
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