

Project Name: N.W. Victoria
Project Code: NWV **Site ID:** A964 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (VIC)

Site Information

Desc. By:	G. Blackburn	Locality:	
Date Desc.:	04/10/65	Elevation:	59 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	142.125	Runoff:	Moderately rapid
Easting/Lat.:	-35.23333333	Drainage:	Imperfectly drained

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Closed Depression	Relief:	9 metres
Elem. Type:	Swamp	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous Massive Brown Vertosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Brown clay
No analytical data are available but confidence is fair.			

Site Disturbance:

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded
Mid Strata - Shrub, <0.25m, . *Species includes - None recorded
Tall Strata - Shrub, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	; Medium clay; , Columnar; Very weak consistence; Diffuse change to -
0.05 - 0.18 m	; Medium clay; , Columnar; Weak consistence; Few (2 - 10 %), Gypseous, , Soft segregations; Diffuse change to -
0.18 - 0.4 m	; Silty medium clay; , Columnar; Very weak consistence; Few (2 - 10 %), Gypseous, , ; Diffuse change to -
0.4 - 0.65 m	; Silty medium clay; , Columnar; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Few (2 - 10 %), Gypseous, , ; Diffuse change to -
0.65 - 0.9 m	; Silty medium clay; , Columnar; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Few (2 - 10 %), Gypseous, , ; Diffuse change to -
1.15 - 1.23 m	; Silty medium clay; , Prismatic; Very weak consistence; Few (2 - 10 %), Gypseous, , ;
1.23 - 1.5 m	; Silty medium clay; , Prismatic; Very weak consistence; Few (2 - 10 %), Gypseous, , ;
1.5 - 1.8 m	; Silty medium clay; , Prismatic; Very weak consistence;
1.8 - 2.1 m	; Silty medium clay; , Prismatic; Firm consistence; Few (2 - 10 %), Gypseous, , ;
2.1 - 2.4 m	; Silty medium clay; , Prismatic; Firm consistence; Few (2 - 10 %), Gypseous, , ;
2.4 - 2.7 m	; Silty medium clay; , Prismatic; Few (2 - 10 %), Gypseous, , Crystals;

Morphological Notes

Observation Notes

18-40CM WHITE FLECKS GYPSUM:

Site Notes

KARKAROOC

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.05	8H	1.1C								
0.05 - 0.18	7.7H	2.4C								
0.18 - 0.4	7.7H	3C								
0.4 - 0.65	8.1H	2.6C								
0.65 - 0.9	8.2H	2.5C								
1.15 - 1.23	8.1H	3C								
1.23 - 1.5	8.1H	2.9C								
1.5 - 1.8	8H	2.8C								
1.8 - 2.1	7.9H	2.8C								
2.1 - 2.4	7.8H	2.8C								
2.4 - 2.7	7.7H	4.5C								

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - 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
XRD_C_II	Illite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction