Project Name: **Co. Robe Rec. & MacDonnell, S.A.**
Project Code: **RM1** **Site ID:** **A653** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	G. Blackburn	**Locality:**	
Date Desc.:	24/06/59	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:	140.05416667	**Runoff:**	Slow
Easting/Lat.:	-37.2419444444445	**Drainage:**	No Data

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	**Pattern Type:**	Plain
Morph. Type:	Flat	**Relief:**	0 metres
Elem. Type:	Plain	**Slope Category:**	Gently inclined
Slope:	0 %	**Aspect:**	0 degrees

Surface Soil Condition (dry): N/A

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Petroclcic Leptic Calcarosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: Rendzina

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:
Low Strata - , , . *Species includes - None recorded
Mid Strata - Rush, , . *Species includes - Dichanthium sericeum
Tall Strata - Tree, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	; Silty clay loam; , Granular; Weak consistence; Abundant, fine (1-2mm) roots; Diffuse change to -
0.08 - 0.13 m	; Medium clay; , Columnar; Very weak consistence; 2-10%, Shells, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Many, coarse (>5mm) roots;
0.15 - 0.23 m	; Silty heavy clay;
0.23 - 0.28 m	;

Morphological Notes

15-23 cm mainly pieces of shelly travertine & SiC pockets:

Observation Notes

FEW SHELL FRAGMENTS ON SURFACE:

Site Notes

ROBE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.08	8.1H	0.27C								
0.08 - 0.13	7.7H	0.9C								
0.15 - 0.23										
0.23 - 0.28										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08	0.09C	4.6E			0.47B				1C	23	14	53
0.08 - 0.13	0.41C				0.24B				1C	22	6	65
0.15 - 0.23												
0.23 - 0.28												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.08										
0.08 - 0.13										
0.15 - 0.23										
0.23 - 0.28										

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO3) - 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 recordede
6Z	Organic carbon (%) - Not recorded
7_NR	Total nitrogen (%) - 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