

Project Name: Co. Robe Rec. & MacDonnell, S.A.  
Project Code: RM1 Site ID: A494 Observation ID: 1  
Agency Name: CSIRO Division of Soils (SA)

**Site Information**

Desc. By:	G. Blackburn	Locality:	
Date Desc.:	10/06/57	Elevation:	No Data
Map Ref.:	1:250000	Rainfall:	0
Northing/Long.:	140.73138889	Runoff:	Slow
Easting/Lat.:	-37.15111111	Drainage:	Poorly drained

**Geology**

ExposureType:	No Data	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:	Flat	Relief:	1 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

Australian Soil Classification:	Mapping Unit:	N/A
Hyperbasic Petroclitic Leptic Calcarosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Rendzina

Analytical data are incomplete but reasonable confidence.

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

**Vegetation:** Low Strata - , , . \*Species includes - Medicago sativa, Unknown species

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.08 m Greyish brown (10YR5/2-Moist); ; Silty loam; ; Granular; Weak consistence; ; Calcareous, ; Soft segregations; Clear change to -

0.08 - 0.3 m ; 90-100%, stratified, Limestone, coarse fragments;

**Morphological Notes**

8-30 cm hard lg brown limestone with soil pockets:

**Observation Notes**

8-30CM NO SHELLS VISIBLE BUT SOME SMALL ONES (COXIELLA) IN STONE EXPOSED IN Paddock AT NORTH.  
Limestone also exposed over small areas near sample site

**Site Notes**

ROBE

**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 - 0.08 0.08 - 0.3	8.9H	0.12C									
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.08 0.08 - 0.3	43C			0.028F	0.33B	0.3B			1C	13	7 26
Depth	COLE		Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h	
0 - 0.08 0.08 - 0.3					g/g -	m3/m3					

**Project Name:** Co. Robe Rec. & MacDonnell, S.A.  
**Project Code:** RM1                      **Site ID:** A494  
**Agency Name:** CSIRO Division of Soils (SA)

**Observation ID:** 1

**Laboratory Analyses Completed for this profile**

17A_NR	Total element - K(%) - Not recorded
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
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - 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