

Project Name: Co. Robe Rec. & MacDonnell, S.A.
Project Code: RM1 Site ID: A690 Observation ID: 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	G. Blackburn	Locality:	
Date Desc.:	18/08/59	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:	139.9886111111111	Runoff:	Slow
Easting/Lat.:	-36.53416667	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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Closed Depression	Relief:	0 metres
Elem. Type:	Swamp	Slope Category:	Level
Slope:	0 %	Aspect:	0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Available Class Inappropriate Calcarosolic Oxyaquic Hydrosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Black earth

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - , , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.05 m	; Loamy sand; , Angular blocky; Weak consistence;
0.05 - 0.25 m	; Clay loam, fine sandy; Weak grade of structure, Prismatic; Medium, (5 - 10) mm crack; Weak consistence;
0.25 - 0.45 m	; Clay loam, fine sandy; Weak grade of structure, Prismatic; Weak consistence;
0.45 - 0.55 m	; Clay loam; Few (2 - 10 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

NO CLAY SKINS OBSERVED: APPARENTLY AT FIELD CAPACITY - ALMOST SODDEN BUT RETAINS STRUCTURE:

Site Notes

MACDONNELL

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	8.8H	0.12C								
0.05 - 0.25	8.6H	0.19C	8.7K	10	1.8	4.3				
0.25 - 0.45	8.9H	0.24C								
0.45 - 0.55	9.3H	0.26C								

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 - 0.05	0.36C	4.8E		0.02F	0.44B	0.48B			12C	53	6	20
0.05 - 0.25	0.01C	2.3E			0.16B				11C	55	4	28
0.25 - 0.45	0.02C								11C	55	2	30
0.45 - 0.55	0.22C								10C	57	3	30

[illegible]

Project Name: Co. Robe Rec. & MacDonnell, S.A.
Project Code: RM1 **Site ID:** A690
Agency Name: CSIRO Division of Soils (SA)

Observation ID: 1

Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
17A_NR	Total element - K(%) - Not recorded
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
6Z	Organic carbon (%) - 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