Project Name: **Co. Robe Rec. & MacDonnell, S.A.**
Project Code: **RM1** **Site ID:** **A631** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	G. Blackburn	**Locality:**	
Date Desc.:	30/04/59	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:	140.43027778	**Runoff:**	Slow
Easting/Lat.:	-36.55444444	**Drainage:**	Imperfectly 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:	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
Calcic Subnatric Brown Sodosol **Principal Profile Form:** N/A
ASC Confidence: **Great Soil Group:** Solonetz
No analytical data are available but confidence is fair.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - , , . *Species includes - Danthonia species
Tall Strata - Tree, , . *Species includes - Eucalyptus leucoxylon

Surface Coarse Fragments: 20-50%, , , Limestone

Profile Morphology

0 - 0.04 m	; Loamy sand; , Granular; Weak consistence; Diffuse change to -
0.04 - 0.08 m	; Loamy sand; , Angular blocky; Firm consistence; Abrupt change to -
0.08 - 0.15 m	Brown (10YR4/3-Moist); Brown (10YR5/3-Dry); , 10YR76; Sandy clay loam; , Angular blocky; Firm consistence;
0.15 - 0.23 m	; Sandy clay loam; , Prismatic; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
0.23 - 0.38 m	Yellow (2.5Y8/6-Dry); ; Sandy clay loam; Very weak consistence; Few (2 - 10 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

0-4CM MUCH GRASSY ORGANIC MATTER: 15-23CM LIME FROM 18CM:

Site Notes

MACDONNELL

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Project Code: RM1 **Site ID:** A631 **Observation ID:** 1
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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 - 0.04	6.9H	0.019C								
0.04 - 0.08	7H	0.014C								
0.08 - 0.15	8H	0.029C								
0.15 - 0.23	8.6H	0.054C								
0.23 - 0.38	8.8H	0.043C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.04				0.01F	0.15B	0.15B			26C	63	3	8
0.04 - 0.08												
0.08 - 0.15	0.04C								20C	52	1	23
0.15 - 0.23	4.9C											
0.23 - 0.38	20C											

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 - 0.04										
0.04 - 0.08										
0.08 - 0.15										
0.15 - 0.23										
0.23 - 0.38										

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Laboratory Analyses Completed for this profile

17A_NR	Total element - K(%) - Not recorded
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
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