Project Name: **Co. Robe Rec. & MacDonnell, S.A.**
Project Code: **RM1** **Site ID:** **A717** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	G. Blackburn	**Locality:**	SITE IS ON PLATFORM WITH SAND DUNE 10 FEET HIGHER A FEW CHAINS SOUTH:
Date Desc.:	30/09/59	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:	140.737222222222	**Runoff:**	No Data
Easting/Lat.:	-36.8211111111111	**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:	Undulating plains <9m 3-10%	**Pattern Type:**	Plain
Morph. Type:	Flat	**Relief:**	6 metres
Elem. Type:	Plain	**Slope Category:**	Gently inclined
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Calcic Class Undetermined Sodosol
ASC Confidence:
No analytical data are available but confidence is fair.

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

Site Disturbance: No effective disturbance. Natural

Vegetation:

Mid Strata - Shrub, , . *Species includes - Xanthorrhoea species, Bassia species
Tall Strata - Tree, 6.01-12m, . *Species includes - Eucalyptus baxteri, Eucalyptus fastigata

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	; Sand; Weak grade of structure, Granular; Weak consistence;
0.08 - 0.25 m	; Sand;
0.28 - 0.38 m	; Sand; 10-20%, Gravel, coarse fragments;
0.3 - 0.38 m	; Sandy clay loam (Heavy); Very firm consistence;
0.38 - 0.6 m	; Medium clay; Many
0.6 - 0.9 m	; Medium clay; Very weak consistence;
1 - 1.13 m	; Medium clay; Firm consistence; 2-10%, Gravel, coarse fragments;
1.2 - 1.5 m	; Medium clay; Few (2 - 10 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

MACDONNELL

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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	6.6H	0.019C								
0.08 - 0.25	7H	0.012C								
0.28 - 0.38	7.3H	0.007C								
0.3 - 0.38	6.8H	0.026C								
0.38 - 0.6	7.1H	0.023C								
0.6 - 0.9	6.9H	0.02C								
1 - 1.13	7.3H	0.028C								
1.2 - 1.5	8.4H	0.091C								

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		1E			0.044B				47C	43	2	7
0.08 - 0.25												
0.28 - 0.38												
0.3 - 0.38					0.034B			1	28C	37	1	35
0.38 - 0.6					0.047B				15C	21	1	61
0.6 - 0.9												
1 - 1.13												
1.2 - 1.5	15C											

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 - 0.25										
0.28 - 0.38										
0.3 - 0.38										
0.38 - 0.6										
0.6 - 0.9										
1 - 1.13										
1.2 - 1.5										

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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_GRAV	Gravel (%)
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