Project Name: **Co. Robe Rec. & MacDonnell, S.A.**
Project Code: **RM1** **Site ID:** **A513** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	G. Blackburn	**Locality:**	UNCLEARED - ASSOCIATION OF SILICEOUS SAND DUNES & SWAMPS
Date Desc.:	09/10/57	**Elevation:**	52 metres
Map Ref.:	Sheet No. : SJ54-6 1:250000	**Rainfall:**	640
Northing/Long.:	140.6713889	**Runoff:**	Rapid
Easting/Lat.:	-37.29555556	**Drainage:**	Well 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:	Rolling plains <9m 10-32%	**Pattern Type:**	Dunefield
Morph. Type:	Hillock	**Relief:**	6 metres
Elem. Type:	Dune	**Slope Category:**	Moderately inclined
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
No Available Class Siliceous Arenic Rudosol

ASC Confidence:
No analytical data are available but confidence is fair.

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

Site Disturbance: No effective disturbance. Natural

Vegetation: Low Strata - Heath shrub, , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, . *Species includes - Eucalyptus baxteri

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Grey (10YR5/1-Moist); ; Sand; Common, fine (1-2mm) roots; Clear change to -
0.1 - 0.25 m	Greyish brown (10YR5/2-Moist); ; Sand; Common, coarse (>5mm) roots;
0.25 - 0.6 m	Light brownish grey (10YR6/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; Common, fine (1-2mm) roots;
0.6 - 1.15 m	Very pale brown (10YR8/3-Moist); ; Sand; Single grain grade of structure; Loose consistence; Common, very fine (0-1mm) roots;
1.4 - 1.83 m	Light brownish grey (10YR6/2-Moist); Light yellowish brown (10YR6/4-Moist); ; Sand; Single grain grade of structure; Loose consistence;
2.44 - 2.74 m	Brown (10YR5/3-Moist); Light yellowish brown (10YR6/4-Moist); ; Sand; Firm consistence;

Morphological Notes

Observation Notes

Site Notes

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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 - 0.1	5.8H	0.007C	2.1K	0.5	0.05	0.06				
0.1 - 0.25	5.2H	0.005C								
0.25 - 0.6	5.3H	0.004C								
0.6 - 1.15	5.6H	0.003C								
1.4 - 1.83	5.6H	0.004C								
2.44 - 2.74	5.5H	0.016C								

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 - 0.1									86C	11	0	1
0.1 - 0.25												
0.25 - 0.6												
0.6 - 1.15												
1.4 - 1.83												
2.44 - 2.74									86C	10	0	2

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 - 0.1										
0.1 - 0.25										
0.25 - 0.6										
0.6 - 1.15										
1.4 - 1.83										
2.44 - 2.74										

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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
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
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