Project Name: **Co. Robe Rec. & MacDonnell, S.A.**
Project Code: **RM1** **Site ID:** **A613** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	G. Blackburn	**Locality:**	ON WEST SIDE OF SANDPIT AT SOUTH SIDE OF ROAD:
Date Desc.:	24/02/59	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	610
Northing/Long.:	140.32583333	**Runoff:**	Rapid
Easting/Lat.:	-37.04305556	**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:	Ridge	**Relief:**	6 metres
Elem. Type:	Dune	**Slope Category:**	Gently inclined
Slope:	%	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Analytical data are incomplete but reasonable confidence.

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

Site Disturbance:

Vegetation:

Mid Strata - Heath shrub, , . *Species includes - Xanthorrhoea species
Tall Strata - Tree, , . *Species includes - Eucalyptus baxteri

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	; Sand; Single grain grade of structure; Loose consistence; , fine (1-2mm) roots;
A2	0.9 - 1.05 m	; Sand; Single grain grade of structure; Loose consistence; Diffuse change to -
B1	1.35 - 1.5 m	; Sand; Single grain grade of structure; Weak consistence; Diffuse change to -
	1.98 - 2.28 m	; Sand; Single grain grade of structure; Weak consistence; Abundant, very fine (0-1mm) roots;
	2.44 - 2.74 m	; Sand; Single grain grade of structure; Many, very fine (0-1mm) roots; Diffuse change to -
	3.04 - 4.06 m	; Sand; Single grain grade of structure; Weak consistence; Common, medium (2-5mm) roots; Diffuse change to -

Morphological Notes

Observation Notes

BOTTOM OF PIT COVERED WITH WATER TO 30CM DEEP AT TIME OF SAMPLING:

Site Notes

ROBE

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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 - 0.15	6.8H	0.022C								
0.9 - 1.05	6.3H	0.005C								
1.35 - 1.5	5H	0.006C								
1.98 - 2.28	5.2H	0.004C								
2.44 - 2.74	5.4H	0.003C								
3.04 - 4.06	5.6H	0.003C								

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 - 0.15					0.038B							
0.9 - 1.05												
1.35 - 1.5												
1.98 - 2.28												
2.44 - 2.74												
3.04 - 4.06												

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 - 0.15										
0.9 - 1.05										
1.35 - 1.5										
1.98 - 2.28										
2.44 - 2.74										
3.04 - 4.06										

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Laboratory Analyses Completed for this profile

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