Project Name: Co. Robe Rec. & MacDonnell, S.A.

Project Code: RM1 Site ID: A665 Observation ID: 1

Agency Name: CSIRO Division of Soils (SA)

Site Information

G. Blackburn Locality: ABOUT 10CHAIN SOUTH OF A664:

Desc. By: Date Desc.: Elevation: 23/07/59 No Data Map Ref.: Rainfall: 680 Northing/Long.: Runoff: 139.85 Slow Easting/Lat.: -37.13166667 Drainage: Poorly drained

Geology

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: **Substrate Material:** No Data No Data

Land Form

Rel/Slope Class: Undulating plains <9m 3-10% Pattern Type: Plain Morph. Type: Closed Depression Relief: 6 metres

Very gently sloped Elem. Type: Slope Category: Swamp

Slope: 0 % Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Haplic Eutrophic Class Undetermined Chromosol **Principal Profile Form:** N/A

Solodized solonetz **ASC Confidence: Great Soil Group:**

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking Low Strata - Rush, , . *Species includes - None recorded Vegetation:

Surface Coarse Fragments:

Profile Morphology

Α1 0 - 0.08 m ; Sand; , Granular; Weak consistence; Diffuse change to -

0.08 - 0.15 m Α2 ; Sand;

> 0.18 - 0.25 m ; Sandy medium clay; 20-50 mm, Columnar; Very weak consistence; Clear change to -

0.25 - 0.28 m ; Many (20 - 50 %), Calcareous, , Concretions; Many

Morphological Notes

25 cm pieces of pieces of travertinised fossil limestone:

Observation Notes

TOP LAYER OF TRAVERTINE COVERED BY ROOT MATERIAL:

Site Notes

ROBE

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Laboratory Test Results:

<u> </u>												
Depth	рН	1:5 EC		nangeable ⁄lg	Cations K	Na	Exchangeable Acidity	CEC	E	ECEC	E	SP
m		dS/m		9		Cmol (9	6
0 - 0.08 0.08 - 0.15	6H 6.7H	0.013C 0.009C	2.5K	1	0.25	0.17						
0.18 - 0.25 0.25 - 0.28	6.8H	0.022C	16K	3.6	1.6	0.45						
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K	al Bulk Density	Pa GV	rticle S	Size Ar FS	•	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		-
0 - 0.08 0.08 - 0.15		2.3E			0.1	1B			64C	25	7	5
0.18 - 0.25 0.25 - 0.28					0.1	4B			39C	15	4	42
Depth	COLE	Gravimetric/Volumetric Water Contents Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar							K sat		(unsat	
m		out.	0.00 Bul		g - m3/m		3 Dai 13	- 41	mm/l	n	mm/h	

0 - 0.08 0.08 - 0.15 0.18 - 0.25 0.25 - 0.28

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Laboratory Analyses Completed for this profile

15_NR_CA Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded 15_NR_K 15_NR_MG 15_NR_NA Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded

2_LOI Loss on Ignition (%) 2A1 3A_TSS Air-dry moisture content

Electrical conductivity or soluble salts - Total soluble salts %

4_NR pH of soil - Not recorded

Water soluble Chloride - Cl(%) - Not recordede

5_NR 6Z Organic carbon (%) - Not recorded 7_NR Total nitrogen (%) - Not recorded

P10_NR_C

Clay (%) - Not recorded Coarse sand (%) - Not recorded P10_NR_CS Fine sand (%) - Not recorded P10_NR_FS P10_NR_Z Silt (%) - Not recorded