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

Project Code: RM1 Site ID: A652 Observation ID: 1

Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: G. Blackburn Locality:

 Date Desc.:
 23/06/59
 Elevation:
 No Data

 Map Ref.:
 Rainfall:
 0

 Northing/Long.:
 140.66138889
 Runoff:
 Slow

Easting/Lat.: -37.19305556 Drainage: Very poorly 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%</th>
 Pattern Type:
 Plain

 Morph. Type:
 Closed Depression
 Relief:
 0 metres

 Elem. Type:
 Swamp
 Slope Category:
 Level

 Slope:
 0 %
 Aspect:
 0 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AAvailable Class Inappropriate Calcarosolic OxyaquicPrincipal Profile Form:N/A

Hydrosol

ASC Confidence: Great Soil Group: Rendzina

No analytical data are available but confidence is fair.

<u>Site Disturbance:</u> No effective disturbance other than grazing by hoofed animals <u>Vegetation:</u> Low Strata - Rush, 0.51-1m, .*Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m ; Loam; , Granular; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; ,

medium (2-5mm) roots; Diffuse change to -

0.08 - 0.18 m ; Loam (Fibric); Very firm consistence; 20-50%, Shells, coarse fragments; Few (2 - 10 %),

Calcareous, , Soft segregations; Common

0.18 - 0.25 m ; Silty clay loam (Fibric); Weak consistence; 2-10%, Shells, coarse fragments; Few (2 - 10 %),

Calcareous, , Soft segregations; AbundantClear change to -

0.38 - 0.45 m $\,$; Clay loam; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;

0.71 - 0.76 m ; Loam; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;

1.27 - 1.4 m ; Few (2 - 10 %), Calcareous, , Soft segregations;

1.4 - 1.5 m ;

Morphological Notes

140 cm concretionary limestone:

Observation Notes

SHOWS GREENISH GREY CL AT DEPTH: ORG. SURF. MATERIAL BUT NO BURIED ORG. HORIZONS AS ON BOOL LAGOON: SHELL FRAGMENTS:

Site Notes

ROBE

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Laboratory Test Results:

Laboratory Test Results:												
Depth	рН	1:5 EC		angeable C	Cations K	Exc Na	changeable Acidity	CEC	E	CEC		ESP
m		dS/m		.5		Cmol (+)/k						%
0 - 0.08 0.08 - 0.18 0.18 - 0.25 0.38 - 0.45 0.71 - 0.76 1.27 - 1.4 1.4 - 1.5	7.7H 8H 8.4H 8.8H 9H 8.8H	1.4C 0.61C 0.57C 0.44C 0.28C 0.52C										
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle S	Size . FS	Analysi: Silt	
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08 0.08 - 0.18 0.18 - 0.25 0.38 - 0.45 0.71 - 0.76 1.27 - 1.4 1.4 - 1.5	41C 47C 21C 56C 63C 43C	16.4E			1.3 0.59				1C 2C 1C	3 13 4	13 11 0	31 52 36
Depth	Depth COLE			Gravimetric/Volumetric Water Contents						K sat K unsat		
m		Sat.	0.05 Bar		0.5 Bar - m3/m3	1 Bar	5 Bar 15	Bar	mm/h	1	mm/h	
0 - 0.08 0.08 - 0.18 0.18 - 0.25 0.38 - 0.45 0.71 - 0.76												

1.27 - 1.4 1.4 - 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

Electrical conductivity or soluble salts - Total soluble salts % pH of soil - Not recorded 3A_TSS

4_NR

Water soluble Chloride - Cl(%) - Not recordede 5_NR

Organic carbon (%) - Not recorded Total nitrogen (%) - Not recorded Clay (%) - Not recorded 6Z 7_NR P10_NR_C P10_NR_CS Coarse sand (%) - Not recorded P10_NR_FS P10_NR_Z Fine sand (%) - Not recorded Silt (%) - Not recorded