Lakes District, S.A. **Project Name:**

Project Code: Site ID: A253 Observation ID: 1

Agency Name: **CSIRO Division of Soils (SA)**

Site Information

C.J. de Mooy Locality:

Desc. By: Date Desc.: Elevation: 24/11/55 No Data Sheet No. : SI54-13 1:250000 Map Ref.: Rainfall: Northing/Long.: 139.456666666667 Runoff: Rapid Easting/Lat.: -35.54083333333333 Drainage: No Data

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: No Data Morph. Type: Elem. Type: No Data Relief: No Data No Data **Slope Category:** No Data No Data Slope: 0 % Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Principal Profile Form: N/A **ASC Confidence: Great Soil Group:** N/A

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morp	oho	loav
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C	WICIPHOLOGY	
	0 - 0.1 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp change to -
	0.1 - 0.22 m	Very pale brown (10YR8/3-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp change to - $ \frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2}$
	0.24 - 0.26 m	Brown (10YR4/3-Moist); ; Sandy medium clay; Massive grade of structure; Very weak consistence; Sharp change to -
	0.25 - 0.3 m	Yellow (10YR7/6-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp change to -
	0.3 - 0.4 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey sand; Single grain grade of structure; Diffuse change to -
	0.4 - 0.5 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Very weak consistence; Sharp change to -
	0.5 - 0.68 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Very weak consistence;
	0.68 - 0.76 m	; Many (20 - 50 %), Calcareous, , Concretions;

Morphological Notes

wh calcareous material

Observation Notes

Site Notes

COUNTY RUSSELL

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Laboratory Test Results:

<u>Laboratory</u>	rest Re	esults:										
Depth	pН			nangeable /lg	Cations K	Na	Exchangeable Acidity	CEC		ECEC		ESP
m		dS/m				Cmol (+	·)/kg					%
0 - 0.1	6.7H	0.011C	2.1K	0.5	0.11	0.09	0.42D					
0.1 - 0.22	7.3H	0.004C										
0.24 - 0.25 0.25 - 0.3	7.3H	0.015C										
0.25 - 0.3	7.4H 7.5H	0.007C 0.014C	7.8K	2.1	0.4	0.25	0.29D					
0.3 - 0.4	7.5H 7.6H	0.014C	i.or	2.1	0.4	0.23	0.29D					
0.5 - 0.68	7.011 7.7H	0.014C										
0.68 - 0.76	7.711	0.0110										
0.00 0.70												
Depth	CaCO3	Organic	Avail.	Total	Total	Total	l Bulk	Pa	rticle	Size A	Analysi	s
•		Č	P	Р	N	K	Density	G۷	CS	FS		Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1					0.03	nap			400	. EG	2	2
0.1 - 0.22		0.032B 40C 56 2 2								2		
0.1 - 0.22												
0.25 - 0.3			0.008B 39C 56 2 3								3	
0.3 - 0.4		0.000D 000 D Z								ŭ		
0.4 - 0.5												
0.5 - 0.68												
0.68 - 0.76												
Depth	COLE	Gravimetric/Volumetric Water Contents							K sat K unsat			ıt
		Sat. 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar g/g - m3/m3						3ar	mm/h m		mm/h	
m				9/9	y - ms/m	3			mm	/11	iiiii/N	
0 - 0.1												
0.1 - 0.22												
0.24 - 0.25												
0.1 - 0.22				g/s	y - m <i>s</i> /m	3			mm	m	mm/n	

0.24 - 0.25 0.25 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.68 0.68 - 0.76

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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

P10_NR_C
P10_NR_CS
Clay (%) - Not recorded
Coarse sand (%) - Not recorded
P10_NR_FS
Fine sand (%) - Not recorded

P10_NR_Z Silt (%) - Not recorded