

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A413 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	25/09/56	Elevation:	No Data
Map Ref.:	Sheet No. : SI54-13	Rainfall:	0
Northing/Long.:	139.583333333333	Runoff:	Rapid
Easting/Lat.:	-35.6819444444445	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Calcic Red Kandosol		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, but never cultivated

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.12 m	Brown (10YR4/3-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp, Irregular change to -
A12	0.12 - 0.2 m	Brown (7.5YR5/4-Moist); ; Sand; Single grain grade of structure; Loose consistence; Diffuse change to -
A2	0.2 - 0.38 m	Strong brown (7.5YR5/6-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp change to -
B1	0.38 - 0.45 m	Dark reddish brown (5YR3/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Very weak consistence; Sharp change to -
B2	0.45 - 0.6 m	Strong brown (7.5YR5/6-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Sharp change to -
B3	0.6 - 0.71 m	Yellowish red (5YR5/6-Moist); Reddish brown (5YR4/3-Dry); ; Sandy clay loam; Massive grade of structure; Very weak consistence; Diffuse change to -
B4	0.71 - 1.01 m	Reddish yellow (7.5YR6/6-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp, Irregular change to -
	1.09 - 1.37 m	Yellow (10YR7/6-Moist); ; Sand; Single grain grade of structure; Weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

COUNTY RUSSELL

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.12	7.1H	0.015C								
0.12 - 0.2	7.7H	0.015C								
0.2 - 0.38	8H	0.032C								
0.38 - 0.45	8H	0.025C	8.1K	3.2	0.53	0.36	0.72D			
0.45 - 0.6	7.8H	0.033C								
0.6 - 0.71	7.5H	0.13C								
0.71 - 1.01	7.9H	0.066C								
1.09 - 1.37	9.3H	0.041C								

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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_H	Hydrogen Cation - 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
19B_NR	Calcium Carbonate (CaCO3) - 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 recorded
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
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