

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A254 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	25/11/55	Elevation:	No Data
Map Ref.:	Sheet No. : SI54-13	Rainfall:	0
Northing/Long.:	139.468611111111	Runoff:	Rapid
Easting/Lat.:	-35.5375	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:	Undulating plains <9m 3-10%	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
Sodic Supracalcic Red Chromosol		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: Low Strata - , , . *Species includes - Medicago sativa

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.07 m	Brown (7.5YR4/2-Moist); ; Sandy loam (Light); Massive grade of structure; Firm consistence; Diffuse change to -
A2	0.07 - 0.26 m	Reddish brown (5YR4/4-Moist); ; Sandy loam (Light); Massive grade of structure; Very firm consistence; AbundantSharp change to -
B1	0.27 - 0.43 m	Dark red (2.5YR3/5-Moist); ; Sandy medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Firm consistence; Diffuse change to -
B2	0.43 - 0.53 m	Dark red (2.5YR3/5-Moist); ; Clayey sand; Moderate grade of structure, Angular blocky; Firm consistence; Sharp change to -
Bk	0.53 - 0.68 m	Reddish yellow (7.5YR7/6-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence; Many (20 - 50 %), 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				Comol (+)/kg				%
0 - 0.07	6.8H	0.028C	5.4K	1.5	0.41	0.29	0.89D			
0.07 - 0.26	7.4H	0.011C								
0.27 - 0.43	8H	0.024C	15.1K	3.7	1.8	0.43	0.17D			
0.43 - 0.53	8.2H	0.016C								
0.53 - 0.68	8.9H	0.042C								

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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
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