

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A248 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	23/11/55	Elevation:	No Data
Map Ref.:	Sheet No. : SI54-13	Rainfall:	0
Northing/Long.:	139.456111111111	Runoff:	Rapid
Easting/Lat.:	-35.2836111111111	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
Epihypersodic Paralithic Leptic Calcarosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solonized brown soil
No analytical data are available but confidence is fair.			

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Weak grade of structure, Granular; Very weak consistence; Abundant
AB	0.05 - 0.25 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Weak grade of structure, Granular; Very weak consistence; Very many (50 - 100 %), Calcareous, , Concretions; AbundantSharp, Irregular change to -
Bk	0.4 - 0.53 m	Very pale brown (10YR8/3-Moist); ; Clay loam; Massive grade of structure; Loose consistence; Very many (50 - 100 %), Calcareous, , Soft segregations; ManySharp change to -
Bk	0.53 - 0.68 m	Very pale brown (10YR7/4-Moist); ; Clay loam; Massive grade of structure; Loose consistence; Very many (50 - 100 %), Calcareous, , Concretions;
Bk	0.68 - 0.96 m	Very pale brown (10YR7/4-Moist); ; Very many (50 - 100 %), Calcareous, , Soft segregations;
Bk	1.24 - 1.37 m	Very pale brown (10YR7/4-Moist); ; Many (20 - 50 %), Calcareous, , Concretions;

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 - 0.05	8.6H	0.063C								
0.05 - 0.25	8.6H	0.061C								
0.4 - 0.53	9.1H	0.11C								
0.53 - 0.68	9.4H	0.13C								
0.68 - 0.96	9.5H	0.27C								
1.24 - 1.37	9.6H	0.35C								

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - 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_GRAV	Gravel (%)
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