

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A255 **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.:	139.493055555556	Runoff:	Very slow
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:	Swale	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Available Class Inappropriate Self-Mulching Aquic Vertosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

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

Vegetation: Low Strata - , , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.06 m	Dark brown (7.5YR3/2-Moist); ; Medium clay; ; Granular; Weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp, Irregular change to -
Bk	0.07 - 0.2 m	Brown (7.5YR5/4-Moist); ; Medium clay; Weak grade of structure, Angular blocky; , Granular; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Diffuse change to -
Bk	0.2 - 0.33 m	Reddish yellow (7.5YR6/6-Moist); ; Medium clay; Weak grade of structure, Angular blocky; , Granular; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;
Bk	0.33 - 0.5 m	Reddish yellow (7.5YR6/6-Moist); ; Medium clay; Weak grade of structure, Angular blocky; , Granular; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;
	0.83 - 0.91 m	Brown (7.5YR5/4-Moist); ; Medium clay; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations;
	1.01 - 1.29 m	Dark red (2.5YR3/5-Moist); ; Medium clay; , Angular blocky; Very weak consistence; Many (20 - 50 %), Calcareous, , Concretions;
	1.75 - 1.82 m	Dark red (2.5YR3/5-Moist); ;

Morphological Notes

Observation Notes

Site Notes

COUNTY RUSSELL

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol	(+)/kg		
0 - 0.06	8.4H	0.064C							
0.07 - 0.2	8.6H	0.06C							
0.2 - 0.33	8.8H	0.051C							
0.33 - 0.5	9H	0.053C							
0.83 - 0.91	9.3H	0.088C							
1.01 - 1.29	9.5H	0.13C							
1.75 - 1.82	9.2H	0.34C							

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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_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