

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A412 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	24/09/56	Elevation:	No Data
Map Ref.:	Sheet No. : SI54-13 1:250000	Rainfall:	0
Northing/Long.:	139.3375	Runoff:	Rapid
Easting/Lat.:	-35.2725	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:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Hypercalcic Subnatric Red Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solonized brown soil
No analytical data are available but confidence is fair.			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.1 m	Reddish brown (5YR4/3-Moist); ; Sandy loam; Weak grade of structure, Angular blocky; Very weak consistence; Sharp change to -
B1	0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Weak grade of structure, Angular blocky; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , ; Diffuse change to -
B2	0.2 - 0.33 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Moderate grade of structure, Angular blocky; Very weak consistence; Many (20 - 50 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , ; Diffuse change to -
Bk	0.33 - 0.45 m	Yellow (10YR7/6-Moist); ; Medium clay; Weak grade of structure, Angular blocky; Very weak consistence; Very many (50 - 100 %), Calcareous, , Soft segregations; Very few (0 - 2 %), Gypseous, , ; Diffuse change to -
	0.45 - 0.81 m	Light red (2.5YR6/6-Moist); ; Medium clay; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
	1.14 - 1.27 m	Brownish yellow (10YR6/6-Moist); ; Medium clay; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
	1.6 - 1.87 m	; Sandy medium clay; Massive grade of structure; Very weak consistence;

Morphological Notes

Observation Notes

Site Notes

COUNTY STURT

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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 - 0.1	8.5H	0.046C								
0.1 - 0.2	9.3H	0.082C								
0.2 - 0.33	9.8H	0.13C								
0.33 - 0.45	10H	0.16C								
0.45 - 0.81	9.9H	0.29C								
1.14 - 1.27	9.4H	0.37C								
1.6 - 1.87	9H	0.31C								

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Laboratory Analyses Completed for this profile

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