

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A232 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	09/11/55	Elevation:	No Data
Map Ref.:	Sheet No. : SI54-13	Rainfall:	0
Northing/Long.:	138.942222222222	Runoff:	Rapid
Easting/Lat.:	-35.4444444444445	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
Calcic Mesonatric Yellow Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solodized solonetz
All necessary analytical data are available.			

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.22 m	Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; ManyDiffuse, Irregular change to -
A12	0.32 - 0.53 m	Very dark grey (10YR3/1-Moist); ; Sand; Single grain grade of structure; Loose consistence; AbundantSharp change to -
A2	0.58 - 0.76 m	Light brownish grey (10YR6/2-Moist); Light grey (10YR7/2-Dry); ; Sand; Single grain grade of structure; Loose consistence; Sharp, Irregular change to -
B1	0.76 - 0.91 m	Yellowish brown (10YR5/6-Moist); Very dark grey (10YR3/1-Dry); ; Sandy medium clay; 50-100 mm, Columnnar; 5-10 mm, Angular blocky; Strong consistence; Very plastic; Diffuse change
B2	0.91 - 1.16 m	Brownish yellow (10YR6/7-Moist); ; Sandy medium clay; 5-10 mm, Angular blocky; <2 mm, Angular blocky; Very weak consistence; Sharp, Irregular change to -
Bk	1.16 - 1.29 m	Brownish yellow (10YR6/7-Moist); ; Medium clay; 5-10 mm, Angular blocky; <2 mm, Angular blocky; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
Bk	1.52 - 2.23 m	; Medium clay; 5-10 mm, Angular blocky; <2 mm, Angular blocky; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations;

Morphological Notes

Observation Notes

Site Notes

CO.HINDMARSH

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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 - 0.22	6.7H	0.007C							
0.32 - 0.53	6.6H	0.014C	2K	0.5	0.29	0.21	0.78D		
0.58 - 0.76	7.1H	0.015C							
0.76 - 0.91	8.1H	0.072C	4.4K	7.8	1.9	3.2	0.6D		
0.91 - 1.16	8.6H	0.12C							
1.16 - 1.29	9.3H	0.21C							
1.52 - 2.23	9.3H	0.3C							

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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