

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A240 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	11/11/55	Elevation:	No Data
Map Ref.:	Sheet No. : SI54-13	Rainfall:	0
Northing/Long.:	138.867222222222	Runoff:	Very slow
Easting/Lat.:	-35.5336111111111	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
Hypocalcic Subnatric Black Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Alluvial soil
All necessary analytical data are available.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

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

Surface Coarse Fragments:

Profile Morphology

0 - 0.04 m	Dark grey (10YR4/1-Moist); ; Sandy clay loam (Light); Sharp change to -
0.04 - 0.17 m	Black (10YR2/1-Moist); ; Medium clay; , Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Strong consistence;
0.17 - 0.29 m	Pale olive (5Y6/3-Moist); ; Medium clay; , Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Medium, (5 - 10) mm crack; Strong consistence; Common
0.29 - 0.37 m	; Medium clay; , Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to -
0.38 - 0.44 m	Pale olive (5Y6/3-Moist); , N30; Sandy clay loam; Weak grade of structure, Angular blocky; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to -
0.48 - 0.6 m	; Sand; Single grain grade of structure; Few (2 - 10 %), Calcareous, , Soft segregations;
0.6 - 1.04 m	; Sand; Single grain grade of structure; Few (2 - 10 %), Calcareous, , Soft segregations;
1.04 - 1.34 m	;

Morphological Notes

travertine with shells & some Fe staining

Observation Notes

LAYERS 6 & 7 - SHELL FRAGMENTS: LAYER 1 - HIGH ORGANIC MATTER & MANURE:

Site Notes

CO.HINDMARSH

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Laboratory Test Results:

[illegible][illegible]

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.04										
0.04 - 0.17										
0.17 - 0.29										
0.29 - 0.37										
0.38 - 0.44										
0.48 - 0.6										
0.6 - 1.04										
1.04 - 1.34										

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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_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 (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