

**Project Name:** Lakes District, S.A.  
**Project Code:** LD1      **Site ID:** A400      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	C.J. de Mooy	<b>Locality:</b>	651
<b>Date Desc.:</b>	18/09/56	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : SI54-13	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	139.003055555556	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-35.3225	<b>Drainage:</b>	Imperfectly drained

**Geology**

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	0 metres
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Melanic Eutrophic Grey Dermosol	<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable

Analytical data are incomplete but reasonable confidence.

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

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

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.06 m	Very dark grey (10YR3/1-Moist); Dark yellowish brown (10YR2/6-Dry); ; Clay loam; Weak grade of structure, Granular; Very weak consistence;
0.06 - 0.17 m	Very dark grey (10YR3/1-Moist); Dark yellowish brown (10YR2/6-Dry); ; Medium clay; , Granular; Very weak consistence; Sharp change to -
0.17 - 0.38 m	; Medium clay; , Angular blocky; Very weak consistence; Diffuse change to -
0.38 - 0.58 m	Very dark grey (10YR3/1-Moist); ; Medium clay; 5-10 mm, Subangular blocky; Very weak consistence; Diffuse change to -
0.58 - 0.68 m	; Fine sandy medium clay; Weak grade of structure, Angular blocky; Very weak consistence; Diffuse change to -
0.68 - 0.81 m	Reddish brown (5YR4/4-Moist); ; Clayey sand; Massive grade of structure; Very weak consistence; Sharp change to -
1.01 - 1.24 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Very weak consistence;
1.44 - 1.82 m	Yellowish red (5YR5/6-Moist); ; Clay loam, coarse sandy; Very weak consistence;

**Morphological Notes**

**Observation Notes**

**Site Notes**

CO.HINDMARSH

**Observation ID: 1**

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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		%
							(+)/kg		
0 - 0.06	6.9H	0.057C	15K	3.7	25	0.73	5.5D		
0.06 - 0.17	6.6H	0.04C							
0.17 - 0.38	7H	0.033C	15.6K	5.5	0.9	0.78	5.2D		
0.38 - 0.58	7.4H	0.044C							
0.58 - 0.68	7.3H	0.053C							
0.68 - 0.81	7.3H	0.052C							
1.01 - 1.04	7.4H	0.05C							
1.44 - 1.82	7.8H	0.011C							

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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
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