

**Project Name:** Lakes District, S.A.  
**Project Code:** LD1 **Site ID:** A398 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	C.J. de Mooy	<b>Locality:</b>	
<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>	139.024166666667	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-35.3675	<b>Drainage:</b>	No Data

**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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<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
Hypocalcic Subnatric Brown Sodosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodized solonetz
All necessary analytical data are available.			

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp change to -
A12	0.1 - 0.17 m	Dusky red (2.5YR3/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; Diffuse change to -
B1	0.2 - 0.27 m	Strong brown (7.5YR5/6-Moist); ; Sand; Weak grade of structure, Columnar; Moderate grade of structure, 10-20 mm, Angular blocky; Firm consistence;
B2	0.27 - 0.45 m	; Medium clay; , Columnar; Strong grade of structure, 10-20 mm, Angular blocky; Sharp, Irregular change to -
B2	0.45 - 0.55 m	Brown (10YR4/3-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp, Irregular change to -
Bk	0.55 - 0.76 m	Brown (10YR4/3-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change
	0.76 - 0.91 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Weak grade of structure, Angular blocky; Firm consistence; Very few (0 - 2 %), Calcareous, , Concretions;
	0.91 - 1.19 m	; Medium clay; Very weak consistence; Very few (0 - 2 %), Calcareous, , Concretions;
	1.19 - 1.44 m	; Medium clay; 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	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol	(+)/kg			%
0 - 0.1	6.3H	0.014C								
0.1 - 0.17	6.2H	0.012C								
0.2 - 0.27	7.3H	0.03C	65.5K	6.4	1.2	2.5	4D			
0.27 - 0.45	8.3H	0.063C								
0.45 - 0.55	8.8H	0.1C								
0.55 - 0.76	9.5H	0.22C								
0.76 - 0.91	9.5H	0.25C								
0.91 - 1.19	9.3H	0.4C								
1.19 - 1.44	9.2H	0.46C								

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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 (CaCO <sub>3</sub> ) - 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_GRAV	Gravel (%)
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