

**Project Name:** Lakes District, S.A.  
**Project Code:** LD1 **Site ID:** A227 **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>	07/11/55	<b>Elevation:</b>	23 metres
<b>Map Ref.:</b>	Sheet No. : SI54-13 1:250000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	138.862777777778	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-35.389166666667	<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
Bleached-Sodic Hypocalcic Red Chromosol		<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. Natural

**Vegetation:**

Mid Strata - Shrub, , . \*Species includes - None recorded  
Tall Strata - Tree, 6.01-12m, . \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.1 m	Greyish brown (10YR5/2-Moist); Light brownish grey (10YR6/2-Dry); ; Coarse sand; Single grain grade of structure; Loose consistence; Sharp change to -
A2	0.1 - 0.33 m	Very pale brown (10YR7/3-Moist); ; Coarse sand; Single grain grade of structure; Loose consistence; Sharp, Irregular change to -
B1	0.33 - 0.35 m	Yellowish red (5YR4/5-Moist); ; Sandy medium clay; 100-200 mm, Columnar; Very coarse, (20 - 50) mm crack; Very firm consistence;
B2	0.4 - 0.49 m	Yellowish red (5YR4/6-Moist); ; Sandy medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Massive grade of structure; Firm consistence; Diffuse change to -
B2	0.49 - 0.93 m	; Sandy medium clay; Massive grade of structure; Firm consistence; Diffuse change to -
Bk	0.93 - 1.09 m	; Clay loam, sandy; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
BC	1.42 - 1.52 m	; Sandy medium clay; Massive grade of structure; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;

**Morphological Notes**

**Observation Notes**

**Site Notes**

CO.HINDMARSH

**Observation ID: 1**

Agency Name: CSIRO Division of Soils (SA)

**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	6.9H	0.011C								
0.1 - 0.33	6.9H	0.005C								
0.33 - 0.35	6.9H	0.024C	6.6K	3.7	1	0.41				
0.4 - 0.49	7.1H	0.017C								
0.49 - 0.93	7.3H	0.028C								
0.93 - 1.09	8.5H	0.066C								
1.42 - 1.52	7.8H	0.026C								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size		Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS %	Silt Clay
0 - 0.1	0.56C				0.033B				69C	28	0 1
0.1 - 0.33											
0.33 - 0.35					0.033B		44C	28	0 26		
0.4 - 0.49					0.025B		45C	27	0 27		
0.49 - 0.93											
0.93 - 1.09											
1.42 - 1.52											

[illegible]

**Project Name:** Lakes District, S.A.  
**Project Code:** LD1                      **Site ID:** A227                      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**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 <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_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