

**Project Name:** Lakes District, S.A.  
**Project Code:** LD1 **Site ID:** A241 **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>	16/11/55	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : SI54-14 1:250000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	139.013888888889	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-35.39166667	<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
Haplic Calcic Red Kandosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

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**

A1	0 - 0.1 m	Dark yellowish brown (10YR4/4-Moist); Yellowish brown (10YR5/4-Dry); ; Sand; Single grain grade of structure; Loose consistence; 2-10%, fine gravelly, 2-6mm, Sand, coarse fragments; Abundant
A1	0.1 - 0.6 m	Dark yellowish brown (10YR4/4-Moist); ; Sand; Single grain grade of structure; Loose consistence; 2-10%, fine gravelly, 2-6mm, Sand, coarse fragments; ManyDiffuse change to -
A2	0.71 - 0.78 m	Dark yellowish brown (10YR4/4-Moist); , 10YR64; Sand; Single grain grade of structure; Diffuse change to -
B1	0.78 - 0.86 m	Yellowish red (5YR5/6-Moist); , 5YR35; Sandy clay loam (Light); 200-500 mm, Angular blocky; Weak grade of structure, 5-10 mm, Angular blocky; Very weak consistence; CommonDiffuse change to -
Bk	0.86 - 0.99 m	Red (2.5YR4/8-Moist); ; Sandy clay loam (Light); Massive grade of structure; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
C	0.99 - 1.27 m	Red (2.5YR4/8-Moist); ; Clayey sand; Few (2 - 10 %), Calcareous, , Soft segregations;
D	1.39 - 1.54 m	; Sandy medium clay; Massive grade of structure; Firm consistence; Common (10 - 20 %), Calcareous, , Soft segregations;
D	1.67 - 1.7 m	; Many (20 - 50 %), Calcareous, , Concretions;

**Morphological Notes**

**Observation Notes**

**Site Notes**

COUNTY RUSSELL

**Observation ID: 1**

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**Laboratory Test Results:**

[illegible][illegible][illegible]

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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