

**Project Name:** Lakes District, S.A.  
**Project Code:** LD1 **Site ID:** A408 **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>	21/09/56	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : SI54-13	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	139.093055555556	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-35.2975	<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 rises 9-30m 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>	%	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Endohypersodic Regolithic Hypercalcic Calcarosol	<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solonized brown soil
Analytical data are incomplete but reasonable confidence.		

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.07 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Weak grade of structure, Granular; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to
B1	0.07 - 0.2 m	Reddish brown (5YR4/4-Moist); Reddish brown (5YR4/3-Dry); ; Medium clay; Strong grade of structure, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Sharp change to -
B1	0.22 - 0.35 m	Brown (7.5YR4/3-Moist); ; Medium clay; Strong grade of structure, Angular blocky; Very weak consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; Diffuse change to -
Bk	0.35 - 0.66 m	Yellow (10YR7/6-Moist); ; Medium clay; 5-10 mm, Angular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, , Concretions;
C	0.66 - 0.81 m	; Medium clay; , Angular blocky; Very firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations;
	1.06 - 1.27 m	; Medium clay;
	1.57 - 1.75 m	; Medium clay; Very weak consistence;

**Morphological Notes**

**Observation Notes**

**Site Notes**

FREELING

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**Laboratory Test Results:**

Depth m	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		dS/m	Ca	Mg	K	Na			Acidity
0 - 0.07	8.5H	0.058C							
0.07 - 0.2	8.7H	0.043C							
0.22 - 0.35	8.8H	0.053C							
0.35 - 0.66	9H	0.053C							
0.66 - 0.81	9H	0.07C							
1.06 - 1.27	9.2H	0.077C							
1.57 - 1.75	9.2H	0.085C							

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**Laboratory Analyses Completed for this profile**

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
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