

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A406 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	C.J. de Mooy	Locality:	
Date Desc.:	20/09/56	Elevation:	No Data
Map Ref.:	Sheet No. : SI54-13 1:250000	Rainfall:	0
Northing/Long.:	139.053611111111	Runoff:	Rapid
Easting/Lat.:	-35.3205555555556	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Subnatric Red Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Siliceous sand

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.07 m	Reddish brown (5YR4/4-Moist); ; Sand; Single grain grade of structure; Loose consistence; Diffuse change to -
A12	0.07 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Sand; Single grain grade of structure; Loose consistence; Sharp change to -
B1	0.43 - 0.45 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; , Columnar; Weak grade of structure, Angular blocky; Very weak consistence; Diffuse change to -
B1	0.45 - 0.5 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Diffuse change to -
Bk	0.5 - 0.58 m	Yellowish red (5YR4/8-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Angular blocky; Very weak consistence; Common (10 - 20 %), Calcareous, , Concretions;
Bk	0.58 - 0.71 m	; Medium clay; <2 mm, Angular blocky; Very weak consistence; Common (10 - 20 %), Calcareous, , Soft segregations; Diffuse change to -
	0.71 - 0.93 m	Very dark grey (10YR3/1-Moist); ; Medium clay; , Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations;
	1.16 - 1.42 m	; Medium clay; Very weak consistence; Few (2 - 10 %), Calcareous, , Concretions;
	1.67 - 1.82 m	; Medium clay; Very weak consistence; Few (2 - 10 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

Site Notes

FREELING

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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 - 0.07	7.6H	0.017C								
0.07 - 0.4	8.5H	0.011C								
0.43 - 0.45	8.6H	0.036C								
0.45 - 0.5	8.8H	0.072C								
0.5 - 0.58	9.1H	0.11C								
0.58 - 0.71	9.3H	0.12C								
0.71 - 0.93	9.5H	0.14C								
1.16 - 1.42	9.5H	0.17C								
1.67 - 1.82	9.6H	0.17C								

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Laboratory Analyses Completed for this profile

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