

Project Name: Lakes District, S.A.
Project Code: LD1 **Site ID:** A405 **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	Rainfall:	0
Northing/Long.:	139.053611111111	Runoff:	Slow
Easting/Lat.:	-35.310277777778	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:	Level plain <9m <1%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	0 metres
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
Melanic Calcic Black Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	No suitable

No analytical data are available but confidence is fair.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Mid Strata - Shrub, , . *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Very dark grey (7.5YR3/1-Moist); ; Clay loam; , Granular; Weak consistence; Diffuse change to
0.1 - 0.2 m	Very dark grey (10YR3/1-Moist); Very dark brown (10YR2/2-Dry); ; Medium clay; , Granular; Weak consistence; Diffuse change to -
0.2 - 0.38 m	Very dark grey (10YR3/1-Moist); Very dark brown (10YR2/2-Dry); , 7.5YR32; Medium clay; Strong grade of structure, <2 mm, Angular blocky; Very weak consistence; Diffuse change to -
0.38 - 0.68 m	Dark brown (7.5YR3/2-Moist); ; Medium clay; Strong grade of structure, <2 mm, Angular blocky; Very weak consistence; Sharp, Irregular change to -
0.68 - 0.83 m	Brown (7.5YR4/2-Moist); ; Medium clay; <2 mm, Angular blocky; Very weak consistence; Few (2 - 10 %), Calcareous, , Concretions;
0.83 - 1.06 m	; Medium clay;
1.57 - 1.65 m	; Fine sandy medium clay;

Morphological Notes

Observation Notes

VINE ROOTS TO BOTTOM OF PIT

Site Notes

FREELING

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	7.8H	0.063C	23.7K	7.2	1.6	1.3	2.6D		
0.1 - 0.2	8.3H	0.032C							
0.2 - 0.38	8.5H	0.036C							
0.38 - 0.68	8.5H	0.068C							
0.68 - 0.83	8.8H	0.14C							
0.83 - 1.06	8.6H	0.26C							
1.57 - 1.65	8.2H	0.34C							

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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
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