

Project Name: Botanic Gardens Annex, S.A.
Project Code: BGA **Site ID:** A954 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Malcolm J. Wright	Locality:	
Date Desc.:	15/06/65	Elevation:	580 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	138.716666666667	Runoff:	Very rapid
Easting/Lat.:	-34.983333333333	Drainage:	Rapidly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	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
Bleached Mesotrophic Brown Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Dark greyish brown (10YR4/2-Moist); ; Loam; Massive grade of structure; Firm consistence; 2-10%, coarse gravelly, 20-60mm, Shale, coarse fragments; Many, fine (1-2mm) roots; Diffuse change to -
0.08 - 0.2 m	Light yellowish brown (10YR6/4-Moist); , 10YR42; Clay loam; Weak grade of structure, Granular; Massive grade of structure; Firm consistence; 0-2%, cobbly, 60-200mm, Shale, coarse fragments; Many, fine (1-2mm) roots; Diffuse change to -
0.2 - 0.38 m	Strong brown (7.5YR5/6-Moist); ; Clay loam; Weak grade of structure, Granular; Firm consistence; 0-2%, cobbly, 60-200mm, Shale, coarse fragments; Few, fine (1-2mm) roots; Diffuse change to -
0.38 - 0.63 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Massive grade of structure; Firm consistence; 20-50%, Shale, coarse fragments; Diffuse change to -
0.63 - 0.83 m	Strong brown (7.5YR5/6-Moist); ; Medium clay; Weak grade of structure, Granular; Firm consistence; 20-50%, Shale, coarse fragments;
0.83 - 1 m	; 50-90%, Shale, coarse fragments;
1 - 1.1 m	;

Morphological Notes

N.P. on shale

Observation Notes

SLIGHT SURFACE SEAL: 83-100CM MAINLY SLIGHTLY WEATHERED SHALE:

Site Notes

MT LOFTY

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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
17A_NR	Total element - K(%) - 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_GRAV	Gravel (%)
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