

Project Name: Botanic Gardens Annex, S.A.
Project Code: BGA **Site ID:** A950 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Malcolm J. Wright	Locality:	
Date Desc.:	01/06/65	Elevation:	640 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	138.71666667	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:	Rolling hills 90-300m 10-32%	Pattern Type:	Hills
Morph. Type:	Simple-slope	Relief:	122 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Dystrophic Brown Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Yellow podzolic soil

No analytical data are available but confidence is fair.

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.08 m	Very dark grey (10YR3/1-Moist); ; Clayey sand (Fibric); Massive grade of structure; Weak consistence; 10-20%, coarse gravelly, 20-60mm, Gravel, coarse fragments; Many, fine (1-2mm) roots;
0.08 - 0.2 m	Dark grey (10YR4/1-Moist); ; Clayey sand; Massive grade of structure; Weak consistence; 10-20%, stony, 200-600mm, Gravel, coarse fragments; Many, coarse (>5mm) roots; Diffuse change to -
0.25 - 0.43 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; 20-50%, cobbly, 60-200mm, Gravel, coarse fragments; Diffuse change to -
0.43 - 0.53 m	Brown (10YR5/3-Moist); ; Sandy loam; Massive grade of structure; 20-50%, coarse gravelly, 20-60mm, Gravel, coarse fragments; Sharp change to -
0.53 - 0.68 m	Strong brown (7.5YR5/6-Moist); ; Clay loam, coarse sandy; Massive grade of structure; Very firm consistence; 2-10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Diffuse change
0.68 - 0.88 m	; Clay loam; Weak grade of structure, Angular blocky; 2-5 mm, Angular blocky; Very weak consistence; Moderately plastic; 0-2%, coarse gravelly, 20-60mm, Gravel, coarse fragments; Diffuse change to -
0.88 - 1.27 m	; Massive grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
1.32 - 1.42 m	; Very weak consistence;
1.42 - 1.52 m	;

Morphological Notes

becoming N.P.

Observation Notes

132-142CM LITTLE WEATHERED QUARTZITE:

Site Notes

MT LOFTY

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[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