

**Project Name:** Botanic Gardens Annex, S.A.  
**Project Code:** BGA **Site ID:** A957 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	Malcolm J. Wright	<b>Locality:</b>	
<b>Date Desc.:</b>	16/06/65	<b>Elevation:</b>	610 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	138.716666666667	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-34.983333333333	<b>Drainage:</b>	Well drained

**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>	No Data	<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>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Sodic Mesotrophic Yellow Kandosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

No analytical data are available but confidence is fair.

**Site Disturbance:**

**Vegetation:**

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

Tall Strata - Tree mallee, , . \*Species includes - Eucalyptus obliqua, Exocarpus cupressiformis, Pinus radiata

**Surface Coarse Fragments:** 2-10%, cobbly, 60-200mm, , Shale

**Profile Morphology**

0 - 0.06 m	Dark greyish brown (10YR4/2-Moist); ; Loam; Massive grade of structure; Firm consistence; 10-20%, coarse gravelly, 20-60mm, Shale, coarse fragments; Common, fine (1-2mm) roots; Diffuse change to -
0.06 - 0.13 m	Brown (7.5YR4/4-Moist); ; Loam; Massive grade of structure; Firm consistence; 2-10%, coarse gravelly, 20-60mm, Shale, coarse fragments; Many, medium (2-5mm) roots; Diffuse change to -
0.13 - 0.3 m	Brown (7.5YR5/4-Moist); ; Loam; Weak grade of structure, Granular; Firm consistence; 10-20%, coarse gravelly, 20-60mm, Shale, coarse fragments; Many, medium (2-5mm) roots; Gradual change to -
0.3 - 0.5 m	Yellowish red (5YR5/6-Moist); ; Clay loam; Weak grade of structure, Granular; Very weak consistence; 0-2%, cobbly, 60-200mm, Shale, coarse fragments; Few, fine (1-2mm) roots; Diffuse change to -
0.5 - 0.73 m	Yellowish red (5YR5/6-Moist); ; Clay loam; Weak grade of structure, Granular; Very weak consistence; 0-2%, cobbly, 60-200mm, Shale, coarse fragments; Diffuse change to -
0.73 - 1 m	Yellowish red (5YR4/8-Moist); ; Light clay; Weak grade of structure, Granular; Very weak consistence; 20-50%, stony, 200-600mm, Shale, coarse fragments; Few, coarse (>5mm) roots;
1 - 1.1 m	;

**Morphological Notes**

becoming N.P. on weathered shale:

**Observation Notes**

**Site Notes**

MT LOFTY

**Observation ID: 1**

**Laboratory Test Results:**

[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