

**Project Name:** Botanic Gardens Annex, S.A.  
**Project Code:** BGA                      **Site ID:** A955                      **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>	15/06/65	<b>Elevation:</b>	610 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	138.716666	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	-34.9833333333333	<b>Drainage:</b>	Rapidly 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
Haplic Mesotrophic Red Kandosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
All necessary analytical data are available.			

**Site Disturbance:**

**Vegetation:**

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

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

**Surface Coarse Fragments:** 2-10%, , , Shale

**Profile Morphology**

0 - 0.08 m	Dark brown (7.5YR3/2-Moist); ; Loam; Massive grade of structure; Very weak consistence; 2-10%, Shale, coarse fragments; Many, medium (2-5mm) roots; Diffuse change to -
0.08 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Clay loam; Weak grade of structure, Granular; Massive grade of structure; Very weak consistence; 20-50%, stony, 200-600mm, Shale, coarse fragments; Many, medium (2-5mm) roots; Clear change to -
0.2 - 0.35 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Weak grade of structure, Granular; Very weak consistence; 20-50%, Shale, coarse fragments; Many, medium (2-5mm) roots; Diffuse change to -
0.35 - 0.53 m	Yellowish red (5YR4/6-Moist); ; Clay loam; Weak grade of structure, Granular; Very weak consistence; 20-50%, Shale, coarse fragments;

**Morphological Notes**

**Observation Notes**

1CM THICK A HORIZON:

**Site Notes**

MT LOFTY

**Observation ID: 1**

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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