

**Project Name:** Botanic Gardens Annex, S.A.  
**Project Code:** BGA      **Site ID:** A952      **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>	02/06/65	<b>Elevation:</b>	594 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	138.716666666667	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-34.9833333333333	<b>Drainage:</b>	Moderately 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
Mottled 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:**

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.08 m	Very dark grey (5YR3/1-Moist); , 2.5YR46; Loam; Weak grade of structure, Granular; Massive grade of structure; Firm consistence; 10-20%, coarse gravelly, 20-60mm, Shale, coarse fragments; Clear change to -
0.08 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Loam; Weak grade of structure, 2-5 mm, Angular blocky; Massive grade of structure; Firm consistence; 20-50%, coarse gravelly, 20-60mm, Shale, coarse fragments; Diffuse change to -
0.2 - 0.38 m	Yellowish red (5YR4/6-Moist); , 2.5YR46; Clay loam; Weak grade of structure, 2-5 mm, Angular blocky; Massive grade of structure; Firm consistence; 20-50%, cobbly, 60-200mm, Shale, coarse fragments; Diffuse change to -
0.38 - 0.53 m	Red (2.5YR4/6-Moist); , 2.5Y62; Clay loam; Weak grade of structure, Angular blocky; Massive grade of structure; Firm consistence; 20-50%, Shale, coarse fragments; Diffuse change to -
0.53 - 0.75 m	Light brownish grey (2.5Y6/2-Moist); ;

**Morphological Notes**

highly decomposed shale:

**Observation Notes**

8-38CM DISCREET MANGANESE ACCUMULATIONS:

**Site Notes**

MT LOFTY

**Observation ID: 1**

[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