Project Name: **Barossa District Inter Zone, S.A.**
Project Code: **BAI** **Site ID:** **A174A** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	K.H. Northcote	**Locality:**	NAT. PASTURE
Date Desc.:	09/06/55	**Elevation:**	600 metres
Map Ref.:		**Rainfall:**	0
Northing/Long.:	138.990555555556	**Runoff:**	Rapid
Easting/Lat.:	-34.5822222222222	**Drainage:**	Well 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:**	Hills
Morph. Type:	No Data	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Steep
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
No Available Class Lithic Leptic Rudosol
ASC Confidence:
All necessary analytical data are available.

Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Tall Strata - , , . *Species includes - Eucalyptus viminalis

Surface Coarse Fragments:

Profile Morphology

0 - 0.2 m ; Loamy sand; Single grain grade of structure; Loose consistence; Abrupt change to -

0.2 - 0.3 m ;

Morphological Notes

Mt. Kitchener "granite"

Observation Notes

Site Notes

LIGHT

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%
0 - 0.2	5.6H	0.014C	3.1K	0.6	0.29	0.16	9.6D			
					4.4					
0.2 - 0.3										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.2				0.018F	0.11B				28C	46	10	13
0.2 - 0.3												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m					g/g - m3/m3				mm/h	mm/h
0 - 0.2										
0.2 - 0.3										

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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
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 recordede
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
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