Project Name: **C14 Investigation, Mt. Gambier, S.A.**
Project Code: **C14** **Site ID:** **A160** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By:	C.G. Stephens	**Locality:**	LAND ON EDGE OF CITY NO LONGER USED FOR AGRICULTURAL PURPOSES
Date Desc.:	10/02/55	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:	140.778333333333	**Runoff:**	Moderately rapid
Easting/Lat.:	-37.8247222222222	**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:**	Volcano
Morph. Type:	Upper-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Moderately inclined
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
No analytical data and little or no knowledge of this soil.

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

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.18 m	; Loam; Diffuse change to -
0.18 - 0.56 m	; Loam; Diffuse change to -
0.56 - 0.74 m	; Loam; Sharp change to -
0.74 - 1.17 m	; Sharp change to -
1.17 - 1.32 m	; Sand; Diffuse change to -
1.32 - 1.6 m	; Sand; Diffuse change to -
1.6 - 1.7 m	;

Morphological Notes

Observation Notes

LAYER 4; LAMINATED SOFT ROCK OF HARSH & BRITTLE CHARCOAL

Site Notes

GREY

Project Name: C14 Investigation, Mt. Gambier, S.A.
Project Code: C14 **Site ID:** A160 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

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 - 0.18										
0.18 - 0.56										
0.56 - 0.74										
0.74 - 1.17										
1.17 - 1.32										
1.32 - 1.6										
1.6 - 1.9										

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 - 0.18		7.3E										
0.18 - 0.56		2.8E										
0.56 - 0.74		0.98E										
0.74 - 1.17		0.11E										
1.17 - 1.32		0.18E										
1.32 - 1.6		0.09E										
1.6 - 1.9		0.7E										

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 - 0.18										
0.18 - 0.56										
0.56 - 0.74										
0.74 - 1.17										
1.17 - 1.32										
1.32 - 1.6										
1.6 - 1.9										

Project Name: **C14 Investigation, Mt. Gambier, S.A.**
Project Code: **C14** **Site ID:** **A160** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Laboratory Analyses Completed for this profile

6Z	Organic carbon (%) - Not recorded