

Project Name: 1968 ISSS Congress Tour
Project Code: IS2 **Site ID:** A974 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	W.T. Ward	Locality:	
Date Desc.:	08/06/66	Elevation:	73 metres
Map Ref.:	Sheet No. : SI54-13	Rainfall:	0
Northing/Long.:	138.46111111111111	Runoff:	Very rapid
Easting/Lat.:	-35.327777777778	Drainage:	No Data

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:	Terrace (alluvial)
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Melanic Eutrophic Black Dermosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Alluvial soil
All necessary analytical data are available.		

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments:

Profile Morphology

AC	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Loam; Moderate grade of structure, Granular; Very weak consistence; Sharp change to -
AC	0.1 - 0.2 m	Very dark grey (10YR3/1-Moist); ; Fine sandy loam; , Prismatic; Weak grade of structure, Subangular blocky; Very weak consistence;
AC	0.2 - 0.3 m	Very dark grey (10YR3/1-Moist); ; Fine sandy loam; , Prismatic; Weak grade of structure, Subangular blocky; Weak consistence;
AC	0.3 - 0.45 m	Very dark grey (10YR3/1-Moist); ; Loam; , Prismatic; Moderate grade of structure, Subangular blocky; Weak consistence; Gradual change to -
BC	0.45 - 0.6 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Weak grade of structure, Subangular blocky; Firm consistence; Gradual change to -
C	0.6 - 0.9 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Weak grade of structure, Subangular blocky; Firm consistence;

Morphological Notes

Observation Notes

LAYERS 6 & 7 - STAINS IN FISSURES: 10YR22 LUMUS

Site Notes

WILLUNGA

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[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_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
4B_C_2.5	pH of soil - pH of 1:2.5 Soil/0.1M CaCl2 suspension
5_NR	Water soluble Chloride - Cl(%) - Not recorded
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - 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