

**Project Name:** 1968 ISSS Congress Tour  
**Project Code:** IS2      **Site ID:** A975      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	W.T. Ward	<b>Locality:</b>	
<b>Date Desc.:</b>	08/08/66	<b>Elevation:</b>	79 metres
<b>Map Ref.:</b>	Sheet No. : SI54-13	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	138.568055555556	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	-35.2569444444445	<b>Drainage:</b>	No Data

**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>	Alluvial fan
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Fan	<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
Hypocalcic Mottled-Subnatric Brown Sodosol	<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodic soil

Analytical data are incomplete but reasonable confidence.

**Site Disturbance:** Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.1 m	Grey (10YR5/1-Moist); ; Fine sandy loam; Moderate grade of structure, Granular; Very weak consistence; Gradual change to -
A2	0.1 - 0.2 m	Grey (10YR5/1-Moist); ; Fine sandy loam; Massive grade of structure; Firm consistence;
A2	0.2 - 0.3 m	Grey (10YR5/1-Moist); ; Fine sandy loam; Massive grade of structure; Firm consistence; Clear change to -
B21	0.3 - 0.45 m	Yellowish brown (10YR5/6-Moist); ; Clay loam; Moderate grade of structure, Subangular blocky; Very firm consistence; Gradual change to -
B22	0.45 - 0.6 m	Brownish yellow (10YR6/6-Moist); , 2.5YR34; Medium clay; Moderate grade of structure, Prismatic; , Subangular blocky; Very firm consistence; Gradual change to -
C	0.6 - 0.9 m	Brownish yellow (10YR6/6-Moist); , 2.5YR34; Medium clay; Massive grade of structure; Firm consistence; , Calcareous, , Soft segregations;

**Morphological Notes**

**Observation Notes**

**Site Notes**

WILLUNGA

**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_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