1968 ISSS Congress Tour **Project Name:**

Project Code: Site ID: A975 Observation ID: 1 IS2

Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Locality: W.T. Ward

Desc. By: Date Desc.: Elevation: 08/08/66 79 metres

Sheet No.: SI54-13 1:250000 Map Ref.: Rainfall: 0

Northing/Long.: 138.56805555556 Runoff: Very rapid Easting/Lat.: -35.256944444445 Drainage: No Data

Geology

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: **Substrate Material:** No Data No Data

Land Form

Rel/Slope Class: No Data Pattern Type: Alluvial fan Morph. Type: Elem. Type: No Data Relief: No Data **Slope Category:** No Data Fan No Data Slope: 0 % Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Hypocalcic Mottled-Subnatric Brown Sodosol Principal Profile Form: N/A **ASC Confidence: Great Soil Group:** Solodic soil

Analytical data are incomplete but reasonable confidence.

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

consistence; , Calcareous, , Soft segregations;

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 -
С	0.6 - 0.9 m	Brownish yellow (10YR6/6-Moist); , 2.5YR34; Medium clay; Massive grade of structure; Firm

Morphological Notes

Observation Notes

Site Notes

WILLUNGA

1968 ISSS Congress Tour

A975 Observation ID: 1

Project Name: Project Code: Agency Name: IS2 Site ID: A
CSIRO Division of Soils (SA)

Laboratory Test Results:

Laboratory											
Depth	рН	1:5 EC		hangeable		Na	Exchangeable	e CEC	EC	CEC	ESP
m		dS/m	Ca I	Mg	K	Na Cmol (Acidity +)/kg				%
0 - 0.1	5.1J 6.5H	0.029C	6.9K	2.9	0.7	0.32					
0.1 - 0.2	4.9J 6.3H	0.019C			2						
0.2 - 0.3	5.1J 6.5H	0.018C	3K	1.5	0.38	0.3					
0.3 - 0.45	5.2J 6.2H	0.021C	2.2K	1.7	0.31	0.28					
0.45 - 0.6	5.1J 6.3H	0.038C	4.7K	4.6	0.8	0.56					
0.6 - 0.9	5.5J 6.6H	0.027C	5.7K	6.4	1	0.63					
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K	Density		CS F		is Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 0.1 - 0.2			10C	0.23B 0.12B				5	11C	40 26	5 19
0.2 - 0.3					0.08			42	16C	40 29	9 15
0.3 - 0.45 0.45 - 0.6			2C	0.06B 0.063B			0	2C	35 30	34	
0.6 - 0.9					0.05	9B					
Depth	·							15 Bar	K sat	K uns	at
m		Sat. 0.05 Bar 0.1 Bar 0.5 Bar g/g - m3/m3					1 Bar 5 Bar 15 Bar			mm/l	า
0 - 0.1 0.1 - 0.2 0.2 - 0.3											

^{0.2 - 0.3} 0.3 - 0.45 0.45 - 0.6 0.6 - 0.9

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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 recordede

7_NR Total nitrogen (%) - Not recorded
9_NR Available P (mg/kg) - Not recorded

P10_GRAV Gravel (%)

P10_NR_C
P10_NR_CS
Clay (%) - Not recorded
Coarse sand (%) - Not recorded
P10_NR_FS
P10_NR_Z
Clay (%) - Not recorded
Fine sand (%) - Not recorded
Silt (%) - Not recorded