1968 ISSS Congress Tour **Project Name:** 

**Project Code:** Site ID: A977 Observation ID: 1 IS2

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

**Site Information** 

Desc. By: Date Desc.: W.T. Ward Locality:

Elevation: 08/08/66 91 metres Map Ref.: Rainfall: 0 Northing/Long.: Runoff: Very rapid Easting/Lat.: 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 No Data Pattern Type: 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 Bleached Mesotrophic Red Kurosol Principal Profile Form: N/A Solodized **Great Soil Group: ASC Confidence:** solonetz No analytical data are available but confidence is fair.

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

Vegetation:

### **Surface Coarse Fragments:**

# Profile Morphology

0 - 0.1 m	Very dark brown (10YR2/2-Moist); ; Loamy fine sand; Weak grade of structure, Granular; Firm consistence; Clear change to -
0.1 - 0.2 m	Grey (10YR6/1-Moist); ; Fine sand; Massive grade of structure; Very firm consistence;
0.2 - 0.3 m	Light grey (10YR7/2-Moist); ; Fine sand; Massive grade of structure; Very firm consistence; Abrupt change to -
0.3 - 0.45 m	Dark grey (10YR4/1-Moist); ; Clayey sand; Strong grade of structure, Prismatic; Strong consistence; Gradual change to -
0.45 - 0.6 m	Dark reddish brown (5YR3/4-Moist); ; Medium clay; Strong grade of structure, Prismatic; Very firm consistence; Gradual change to -
0.6 - 0.75 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Massive grade of structure; Firm consistence; Gradual change to -
0.75 - 0.9 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Massive grade of structure; Firm

### **Morphological Notes**

## **Observation Notes**

## **Site Notes**

WILLUNGA

Project Name: 1968 ISSS Congress Tour

IS2 Site ID: A977 CSIRO Division of Soils (SA) Observation ID: 1

Project Code: Agency Name:

# **Laboratory Test Results:**

Depth	pН	1:5 EC		hangeable		Na	Exchangeable	CEC		ECEC		ESP
m		dS/m	Ca I	Mg	K	Na Cmol	Acidity +)/kg					%
0 - 0.1	6.6J 7.3H	0.028C	10K	2.6	0.36	0.13						
0.1 - 0.2	5.5J 6.8H	0.012C										
0.2 - 0.3	5J 6.2H	0.028C										
0.3 - 0.45	4.4J 5.1H	0.28C										
0.45 - 0.6	4.3J 5.1H	0.34C										
0.6 - 0.75	4.5J 5.2H	0.29C										
0.75 - 0.9	5.2J 5.9H	0.3C										
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tot K		Pa GV	article CS	Size /		s Clay
m	%	%	mg/kg	%	%	%		Ü	00	%	Jiit	Clay
0 - 0.1 0.1 - 0.2	0.080		8C		0.15 0.02			1 3	25C 27C			11 8
0.1 - 0.2 0.2 - 0.3 0.3 - 0.45					0.02 0.02 0.04	22B		7	26C			
0.45 - 0.45 0.45 - 0.6 0.6 - 0.75			2C		0.03	3B		5	6C	17	8	68
0.75 - 0.9					0.03			4	8C	32	14	47

Depth	COLE	Gravimetric/Volumetric Water Contents								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 - 0.1 0.1 - 0.2 0.1 - 0.2 0.2 - 0.3 0.3 - 0.45 0.45 - 0.6 0.6 - 0.75 0.75 - 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

19B\_NR Calcium Carbonate (CaCO3) - 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
Fine sand (%) - Not recorded
Silt (%) - Not recorded